WZTV

CHILDREN'S PROGRAMMING
THIRD QUARTER 2016

I. FULL-LENGTH CHILDREN'S EDUCATIONAL AND INFORMATIONAL PROGRAMMING **(CORE PROGRAMMING)**

- PROGRAM TITLES
- PROGRAM LENGTHS
- PROGRAM DESCRIPTIONS

II. COMMERCIAL LIMITATIONS **(UNDER SEPARATE COVER)**

CHILDREN'S CORE PROGRAMMING

WZTV
THIRD QUARTER 2016

THINK BIG - TARGETS AGES 13-16 YEARS
AIRED: SATURDAYS @ 7:00AM-- A HALF HOUR PROGRAM

Think Big is a kid-hosted entertaining series for young people following the world's most innovative kids as they create and invent new toys, games, learning tools, websites, and modes of transportation. The program features top kid inventors who face off against one another in an Invent-Off to see who can come up with the most innovative and creative invention. In each episode, two teams brainstorm, choose materials, sketch and design their idea. Once completed the inventions are judged. This program allows kids to showcase their skills in creativity, science, innovation, marketing and teamwork.

XPLORATION EARTH 2050 - TARGETS AGES 13-16 YEARS
START DATE: 9/10
AIRED: SATURDAYS @ 7:00AM-- A HALF HOUR PROGRAM

This program strives to answer questions about where advancements in science, technology, engineering, and mathematics may lead us in the future. Scientists, inventors, doctors, science fiction writers, and creative thinkers add their input about what the world may look like in 2050. Viewers are taken on an educational adventure as the program tackles future challenges in everything from transportation to health care to the environment.

TEEN KIDS NEWS – TARGETS AGES 13-16
AIRED: SATURDAYS @ 7:30AM-- A HALF HOUR PROGRAM
START DATE: 9/10
AIRED: SATURDAYS @ 11:00AM—A HALF HOUR PROGRAM

This program features weekly educational features such as, "College and You" (tips for choosing and getting into college), and "Word" (vocabulary skills training), as well as informational features for teens, such as reports about healthy eating; driving tips for new drivers, and internet predators. The program has been designed to meet needs of children and young adolescents with a unique curiosity about their world, with weekly headlines that present the news in a teen appropriate manner. The program stimulates the viewer's curiosity, develops their learning, cognitive, listening and thinking skills, and serves as an enhancement to their academic and educational experience.

XPLORATION NATURE KNOWS BEST – TARGETS AGES 13-16
START DATE: 9/10
AIRED: SATURDAYS @ 7:30AM-- A HALF HOUR PROGRAM

In this program, children learn about biomimicry and see how engineers imitate nature in the design of innovative products. They learn how the Manta Ray has inspired inventions related to ocean navigation as well as military applications; and how snakes have been copied to design robots that can rescue those trapped in small spaces. This program features the incredible world of animals and plants, and the inventions inspired by them.

SPORTS STARS OF TOMORROW – TARGETS AGES 13-16
AIRED: SATURDAYS @ 8:00AM-- A HALF HOUR PROGRAM

This program shows the hard work and dedication that it takes to be a true sports star. It chronicles the trials and tribulations of young athletes as they strive to become a top level performer in the sports arena. This program helps viewers realize their goals in both life and the playing fields are attainable with hard work and determination. It reinforces the importance of key values like dedication, discipline, commitment and community involvement. The program also provides in-depth, stories

which reveal the important challenges and lessons that mold our young athletes. Through these stories the viewer learns that while many desire greatness on the grand stage of competition, much can be learned through the journey that can make a significant difference throughout one's life.

XPLORATION OUTER SPACE – TARGETS AGES 13-16
START DATE: 9/10
AIRED: SATURDAYS @ 8:00AM-- A HALF HOUR PROGRAM

Each week, host Emily Calandrelli takes journeys through space that will both entertain and educate viewers. Ever wonder what it would be like to live in space or on a different planet? Emily shows viewers what it is like to try to perform everyday tasks while floating in zero gravity and living in a Mars-like habitat. Episodes feature space robotics, commercial space tourism, asteroids, the search for other life in space, and many other topics, including NASA-related programs as applicable to the episodes.

ANIMAL EXPLORATION WITH JAROD MILLER – TARGETS AGES 13-16
AIRED: SUNDAYS @ 8:30AM-- A HALF HOUR PROGRAM

Jarod Miller brings viewers up close with the most fascinating members of the animal kingdom. The mission of Animal Exploration is to inspire viewers to preserve the innate human instinct to explore. Each episode is designed to reveal to the viewers the world around them in a way that identifies positive role models and pro-social values within an environmentally responsible universe. Also, each episode features a "Did you know?" segment that shares information that viewers can use in their own backyards.

XPLORATION AWESOME PLANET – TARGETS AGES 13-16
AIRED: SUNDAYS @ 8:30AM-- A HALF HOUR PROGRAM

Host Philippe Cousteau (grandson of famed undersea explorer Jacques Cousteau) brings energy to every location he visits while seeking to inspire and educate viewers in earth sciences. This program takes an in-depth look at the unique and distinct features on planet Earth, from magnificent mountains to erupting volcanoes. Viewers will not only behold the beauty of gigantic glaciers, but also discover why they formed and how they shaped our landscape. Geological experts share their wisdom with Philippe, as he strives to understand places on, inside, and above the Earth.

DRAGONFLY TV - TARGETS AGES 13-16 YEARS
AIRED: SATURDAYS @ 11:00AM—A HALF HOUR PROGRAM

This program features children engaging in various science projects and demonstrates practical applications of mathematics and science from multiple scientific fields. It introduces young viewers to a variety of scientific disciplines and challenges them in critical thinking and problem solving skills, while providing valuable information to reach answers. Examples of program episodes include studying various ecosystems, sea turtles, and rocket propulsion. Each episode is engaging, entertaining and educational in structure, allowing children to gain an appreciation for science in a unique and entertaining way.

REAL LIFE 101 - TARGETS AGES 13-16 YEARS
AIRED: SUNDAYS @ 7:00AM-- A HALF HOUR PROGRAM

This program presents real people pursuing real jobs and careers in an educational and informational format designed to help its viewers make important decisions about preparing for the future. The careers and people featured are carefully selected in order to present vivid impressions that can be used by the series' young audience.

XPLORATION WEIRD BUT TRUE - TARGETS AGES 13-16 YEARS
START DATE: 9/11
AIRED: SUNDAYS @ 7:00AM-- A HALF HOUR PROGRAM

This program explores topics like ancient Greece, tornadoes and ostriches by uncovering fun, strange and surprising facts. An episode example includes making paper ships together and

learning the history of pirates. Children are encouraged to be curious and learn about science, history and culture through creativity and the scientific method.

CAREER DAY- TARGETS AGES 13-16 YEARS
AIRED: SUNDAYS @ 7:30AM-- A HALF HOUR PROGRAM

This program guides young people to potential career paths by featuring inspirational interviews with successful celebrities, entrepreneurs, business people, such as, world renowned brain surgeons to marine biologists who share their stories with young people about their careers. This motivational show is fun and exciting and tries to help kids answer the age old question: "What do I want to be when I grow up?"

XPLORATION DIY SCI - TARGETS AGES 13-16 YEARS
START DATE: 9/11
AIRED: SUNDAYS @ 7:30AM-- A HALF HOUR PROGRAM

Host Steve Spangler shows viewers that the world is their laboratory. He uses "everyday" items to turn the world around him into a fund and unexpected laboratory. In each episode, Spangler will demonstrate science experiments and explain how they connect to real-world innovations.

ANIMAL EXPLORATION WITH JAROD MILLER

LITTON ENTERTAINMENT
Litton Towers
884 Allbritton Boulevard
Suite 200
Mount Pleasant, SC 2946

RE: PROGRAM CONTENT

The purpose of this letter is to provide television stations with certified documentation that the producers of the *Animal Exploration with Jarod Miller* series design the program to educate and inform children 13 to 16 years of age.

Litton Entertainment is the producer of *Animal Exploration with Jarod Miller.*

Animal Exploration with Jarod Miller is a half – hour live action television program designed to meet the educational and informational needs of children.

Each week Jarod looks at exotic and domestic animals from his own unique perspective. Every week Jarod travels to zoos and aquariums to explore animals that fit a particular theme, whether it's the need for speed or animal heroes - there's always something amazing happening. Filled with energy, youth and humor, Jarod is a welcome visitor in living rooms around America on a weekly basis.

It is the mission of this program to inspire viewers, children and adults alike, to preserve the innate human instinct to explore.

The producers design each episode to reveal to children the world around them in a way that identifies positive role models and pro-social values within an environmentally responsible universe.

In order for parents, children, and listing services to clearly identify the program as one that fulfills the FCC description of a program that meets kids' educational television needs, each episode will display the recommended rating TV-G E/I icon from beginning to end.

Sincerely,

Litton Entertainment

ANIMAL EXPLORATION W/JAROD MILLER

DATE: 7/02/16	EPISODE: 305
DATE: 7/09/16	EPISODE: 306
DATE: 7/16/16	EPISODE: 307
DATE: 7/23/16	EPISODE: 308
DATE: 7/30/16	EPISODE: 309
DATE: 8/06/16	EPISODE: 310
DATE: 8/13/16	EPISODE: 311
DATE: 8/20/16	EPISODE: 312
DATE: 8/27/16	EPISODE: 313
DATE: 9/03/16	EPISODE: 314

SYNOPSIS:

Survival of the Fittest (#305) Jarod explores animals that have evolved to be particularly well suited to their environments. From rapidly changing animals to those that have changed little over millions of years, these animals are an excellent fit for their environment.

Creepy Critters (#306) Jarod explores animals people might tend to think of as "creepy," and looks at how their distinctive appearances and habits help them to survive in nature.

Animals in the Extreme (#307) Jarod explores animals that are able to survive in extreme environments. From bitter cold to scorching heat, these animals are uniquely suited to their unusual habitats.

Great Animals with Gross Habits (#308) Jarod explores animals and some of their lifestyles, habits or mannerisms that people might tend to think of as "gross." From eating carrion to projectile poop, these animals have some unusual behaviors.

Unusual Alias (#309) Jarod explores animals with unusual names and how they earned them. For example the Bearcat is neither a bear nor a cat – so why is it a Bearcat?

Animals in the Nose (#310) Jarod explores animals that have distinctive noses whether for their great sense of smell, the unusual uses, or simply the size or shape of their nose.

Animals with Attitude (#311) Jarod explores animals that have a fierce disposition and the way that "attitude" helps them to survive in the wild.

Size Matters (#312) Jarod continues his exploration of the role of size in the animal kingdom.

Unusual Alias Part Two (#313) Jarod continues his exploration of animals with unusual names and how they earned them.

Animals Actors (#314) Jarod explores animals that work in the entertainment business. See the bear that appears in Semi-Pro; the tiger from Gladiator and more.

Teen Kids News – FCC Credentials

Teen Kids News meets FCC requirements for "core children's programming" by providing educational features such as, **"Flag Facts"** (info on our state flags); **"College and You"** (tips for choosing and getting into college), **"Word"** (vocabulary skills training), as well as informational features for teens, such as reports about healthy eating; driving tips for new drivers, and internet predators. The show has been designed to meet needs of children and young adolescents with a unique curiosity about their world. The Program stimulates the 13-16 year olds' curiosity, develops their learning and cognitive, listening and thinking skills, and serves as an enhancement of their academic and educational experience.

More than 10,000 schools are using TKN as part of their school curriculum and affiliate stations have already contacted school systems in that regard. The full scripts are available to provide easy access for teachers to use in their classrooms.

Advocacy group Children Now says broadcasters follow letter, not spirit of FCC's educational/informational standards.

By John Eggerton -- Broadcasting & Cable, 11/12/2008

Advocacy group Children Now says that only one in eight kids TV shows offered up by broadcasters as meeting the educational/informational (E/I) requirements of the FCC meet "high quality" standards for educational shows, and it wants the FCC to make its educational guidelines stronger and clearer.

It also wants the commission to monitor compliance and respond "quickly" to public complaints (like those filed by Children Now). The group called on broadcasters to improve the quality and availability of kids shows, including applying the six key criteria to their offerings (see below). It also asked parents to become more involved in their kids' TV watching and to complain if they think an E/I-certified show is not sufficiently E/I.

Children Now concedes that broadcasters are meeting "the letter" of the law, airing three hours of E/I programming, and even applauds them for it. But the group asks whether "their efforts truly live up to the spirit" of the Children's Television Act and its children's programming requirements, overseen by the Federal Communications Commission.

The FCC essentially allows broadcasters to self-certify that their E/I programs meet FCC requirements, including that the shows have education as "a significant purpose," that they are at least a half hour, that they air between 7 a.m. and 10 p.m. and that they air weekly.

That has produced some questionable, even embarrassing calls, like billing *The Flintstones* as a history lesson or a baseball pre-game show as educational because it teaches how to throw a curve ball.

TV stations are required to air at least three hours a week of educational/informational programming and to identify the shows to the FCC and in their public files.

The report, which is scheduled to be unveiled at a press conference in Washington Wednesday, at which FCC Commissioner Jonathan Adelstein is scheduled to speak, looks at the "quality" of the shows offered up as educational, something the FCC reporting requirement does not address.

Children Now says it measured the shows according to six criteria:

1. clarity, meaning how explicitly is the educational element presented

2. integration, or how often the lesson is repeated

3. involvement, which means how engaging is the educational element

4. applicability, or how the lesson is connected to the real world

5. importance, meaning not how important to the story but how important is the lesson to children's development

6. positive reinforcement, or to what degree is learning rewarded.

Each show--120 episodes from 24 "representative markets" were analyzed--was given a up to three points in each category, with an 0-6 score labeled "minimally educational," a 7-10 score deemed moderately educational, and an 11 or 12 score considered highly educational. Media researchers Dale Kunkel of the University of Arizona and Kristin Drogos of the University of Illinois did the analysis.

By that measure, only 12 shows got the highest score, while 21 were minimally educational, with the rest getting the lowest score. Children Now also says most broadcasters are only doing the minimum three hours (59%).

Kunkel is a familiar figure to broadcasters. He is a long-time critic of broadcasters' children's programming and has testified numerous times about the need for more educational "educational" children's shows.

One station singled out with high marks was Raycom's MyNetworkTV affiliate in Honolulu, KFVE, which airs 5.5 hours per week, with shows like *Where on Earth is Carmen Sandiego* and *Beakman's World*, and programming every day but Sunday.

The eight shows that were determined to be of the highest educational content were evenly divided among commercial and noncommercial shows with four apiece: *Sesame Street, Between the Lions, Cyberchase*, and *Fetch! With Ruff Ruffman* (PBS) and *Beakman's World, 3-2-1 Penguins, The Suite Life of Zack and Cody*, and ***Teen Kids News.***

TEEN KIDS NEWS

DATE: 7/02/16	EPISODE: 1343
DATE: 7/09/16	EPISODE: 1344
DATE: 7/16/16	EPISODE: 1345
DATE: 7/23/16	EPISODE: 1346
DATE: 7/30/16	EPISODE: 1347
DATE: 8/06/16	EPISODE: 1348
DATE: 8/13/16	EPISODE: 1349
DATE: 8/20/16	EPISODE: 1350
DATE: 8/27/16	EPISODE: 1351
DATE: 9/03/16	EPISODE: 1352
DATE: 9/10/16	EPISODE: 1401
DATE: 9/17/16	EPISODE: 1402
DATE: 9/24/16	EPISODE: 1403

SYNOPSIS:

S13 E43 (topics): Building and launching a rocket; an international rocketry challenge; leveling the playing field in sports; the first domed ballpark; spiders; how global warming affects the sea's fiercest predator; Westminster Abbey.

S13 E44 (topics): Young people with skin conditions; visiting foreign countries; jobs for adults with special needs; making salsa.

S13 E45 (topics): Turning ideas into a money-making enterprise; injuries among young dancers; bottlenose dolphins; making guacamole.

S13 E46 (topics): Fashion, self-esteem and eating disorders; tailgating; contest winners turn their idea into a public service announcement; bullying in school and on the road; distracted driving; Olympian Tobin Heath; a delicious nutritional snack.

S13 E47 (topics): Steroids; getting girls interested in science, technology, engineering and math; SADD National Conference; Miss Teen USA makes apple oatmeal bowl.

S13 E48 (topics): What to pay attention to while driving a car; bullying; cheerleading; adding a woman to the $10 bill; effects of climate change on walruses; Pennsylvania's flag; walk-off home runs; not having a white Christmas; balloon art.

S13 E49 (topics): Dealing with conflicts; slang words; the National High School Defense Competition; driving safety; what to do if someone is choking; health advice that is more than 5,000 years old; a Babe Ruth museum; the vault of the Sports Legends Museum.

S13 E50 (topics): Hidden sports injuries; the National Math Museum; a square-wheeled tricycle; why high school should start later; road safety; St. Paul's Cathedral; the annual all-star baseball game; one part of the body that never grows; making apple pie.

S13 E51 (topics): Helping girls around the world get an education; going green; energy drinks; ballplayer Ted Williams; heat cramps; the making of a PSA; finding a dress for homecoming or prom.

S13 E52 (topics): Nutrition labels; International Humanitarian Law; the state flag of Kansas; how to tell whether a dog is playing or not; driving safety; competitive dancing.

S14 E01 (topics): The SAT and the ACT; teens raise awareness about the negative effects tobacco has on the body; getting a part-time job; a weird law; road safety; a pie that requires no baking.

S14 E02 (topics): What it takes to be a leader; a teen who writes about sports; proofreading; the Arizona state flag; seatbelt safety; making a BLT; ``Teenage Mutant Ninja Turtles: Out of the Shadows."

S14 E03 (topics): Miss Teen USA 2015; an organization helps classrooms without basic supplies; a sign of a good friendship; seatbelt safety; the best places to study; a wacky law; the oldest baseball stadium in continuous use; sugary drinks; pasta and veggie salad.

Telco Productions, Inc.

DRAGONFLY TV

"Dragonfly TV" is a weekly half-hour science television series that meets the educational and informational objectives of the FCC's Childrens Programming requirements for children ages 13-16. The programs highlight children "doing" projects with real hands-on experience and demonstrates practical applications of mathematics and science. It introduces young viewers to a variety of scientific disciplines and challenges them in critical thinking and problem solving skills, while providing valuable information to reach answers. Each episode is engaging, entertaining and educational in structure, allowing children to investigate science on their own. "Dragonfly TV" is closed-captioned for the hearing impaired and displays the "E/I" icon throughout the broadcast.

Alex Paen

Alex Paen
President
Telco Productions, Inc.

Telco Productions, Inc.
2730 Wilshire Boulevard, Suite 200, Santa Monica, CA 90403
Telephone (310) 828.4003 Fax (310) 828.3340 Email info@telcoproductions.com

UCLA Engineering

HENRY SAMUELI SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Electrical Engineering Department

Professor Bahram Jalali
68-109 Engineering 4
Box 159410
Los Angeles, CA 90095-1594
310-825-9655
310-206-2239 fax

Alex Paen
President, Telco Productions, Inc.
2730 Wilshire Boulevard, Suite 200
Santa Monica, CA 90403

RE: Dragonfly TV

Dear Alex,

I have reviewed the series "Dragonfly TV" and I believe it's educational and informational value meets FCC requirements for children's programming aged 13-16 years. As a teaching Professor of Electrical Engineering at UCLA, I consider this extraordinary television series vital to enhancing the interest of science among our youth and applaud those television stations that broadcast it. The series engages young viewers with various scientific projects and provides a variety of information from multiple scientific fields. An example of this is in episode D-105, when youngsters experiment with designing their own model rockets, noting how various shapes, materials and engines affect performance. Another example is in episode D-114, where kids investigate why there are so many boulders present in white water rapids and how they affect the water's speed and direction.

This series' educational contribution to youngsters impresses me, and since there are virtually no science programs on television today, "Dragonfly TV" fills a much needed void.

Sincerely yours,

Bahram Jalali
Professor
Henry Samueli School of Engineering and Applied Science, UCLA

California Science Center

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Telephone 323.SCIENCE (724.3623)
Fax 213.744.2034
www.californiasciencecenter.org

Alex Paen
President, Telco Productions, Inc.
2730 Wilshire Boulevard, Suite 200
Santa Monica, CA 90403

RE: Dragonfly TV

Dear Alex,

I believe the television series "Dragonfly TV" meets the FCC's educational and informational requirements for children's programming aged 13-16 years. The series is a wonderful example of how television can extend the science knowledge of young viewers. The various scientific experiments and investigations featured on the shows enable young people to gain an appreciation for science in a unique and entertaining way. "Dragonfly TV" not only promotes interest in the various science fields, but also allows young viewers to think critically about different problems and search for solutions. For example, in episode D-109, kids investigate eco-systems and how changes in the environment affect salmon populations. In episode D-103, youngsters invent a "wobble meter" to investigate balance, learning how and why a pole can help a tight rope walker keep from falling.

I wholeheartedly endorse this series and feel the educational and informational value more than meets the standards set forth by the FCC.

Sincerely,

Diane C. Perlov, Ph.D.
Senior Vice President, Exhibits
California Science Center

CaliforniaScienCenter

TELCO
PRODUCTIONS, INC

Dragonfly TV

- SHOW # F-219 -

- INITIAL FEED DATE: WEDNESDAY, JULY 06, 2016 -

SYNOPSIS

- Young aviation enthusiasts analyze various airplane wing designs to determine the best wing cross-section for acrobatic flying.
- Para-gliders investigate how to find the best thermals for gliding, discovering how thermals and formed and measuring their strength.
- Stunt pilots give a practical demonstration of the use of symmetrical cross-section wings.
- Science Riddle: How do you ride a wake board without a speed boat?
- Visiting an engineer who invented a flying wing for hang gliders.

(This show is closed-captioned)

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

TELCO PRODUCTIONS, INC.

Dear Station,

Pursuant to the Children's Television Act of 1990, "THINK BIG" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "THINK BIG" serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of having a working knowledge of math, science and physics. The series shows children actively solving problems using scientific principles, combining skill and creativity. The series also demonstrates real-world applications for math, science and engineering, proving that that the physical sciences can be useful, challenging and fun. Each episode presents an "invent-off" challenge, where teenage teams must invent a machine designed to perform a specific task in limited amount of time, promoting creative thinking and practical skills.

"THINK BIG" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "THINK BIG" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen

Alex Paen
President, Telco Productions, Inc.

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Email: jalali@ucla.edu
Web: www.photonics.ucla.edu

Dear Alex,

Having reviewed the series, "THINK BIG" I believe that it serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of having a working knowledge of science, technology, engineering and math (STEM). The series shows children actively solving problems using scientific principles, combining skill and creativity. The series also demonstrates real-world applications for math, science and engineering, proving that that the physical sciences can be useful, challenging and fun.

Each episode presents an "invent-off" challenge, where teenage teams must invent a machine designed to perform a specific task in limited amount of time, promoting creative thinking and practical skills. For example, in one episode teams are challenged to produce a machine for sweeping dust off the floor. They are given the same materials to work with, with each team taking their own novel approach to solving the problem, demonstrating their skills in design, physics and electronics. Using teamwork and ingenuity, both teams succeed in producing a working machine, but only one team wins, based on superior performance.

Sincerely,

Bahram Jalali
Northrop Grumman Endowed Chair in Optoelectronics, Professor
Electrical Engineering Department, Biomedical Engineering Program
California NanoSystems Institute
Department of Surgery, David Geffen School of Medicine at UCLA
UCLA Eli and Edit Broad Center for Regenerative Medicine and Stem Cells

SANTA MONICA COLLEGE

Alex Paen
Telco Productions, Inc.
2730 Wilshire Blvd., Suite 200
Santa Monica, CA 90403

Dear Alex,

I have reviewed the program THINK BIG and I find that it meets the educational and informational needs of children 13 to 16 years of age with its program content, especially stressing the importance of science, mathematics and physics. The series also allows the participants to demonstrate real-world applications for math, science and engineering, in a manner that is both rewarding and enjoyable.

In each episode, the focus is on an invent-off challenge, where teams complete a project to design a machine to perform a task under a time constraint. This allows the kid to express their creativity, critical thinking and mechanical abilities. For example, in episode No. 114, teams compete to design a bicycle with enhanced safety features. Each team is given the same materials to work with, and apply their own unique process and problem-solving abilities. Combining their talents, each is able to complete the challenge; the winning team is decided based on objective results. Programs such as THINK BIG are a valuable way to promote the sciences to today's youths.

Sincerely,

Brian A. PeÒa, MS
Adjunct Faculty
Santa Monica College

REAL LIFE 101

DATE: 7/03/16	EPISODE: 233R
DATE: 7/10/16	EPISODE: 234
DATE: 7/17/16	EPISODE: 235
DATE: 7/24/16	EPISODE: 236
DATE: 7/31/16	EPISODE: 237
DATE: 8/07/16	EPISODE: 238
DATE: 8/14/16	EPISODE: 239
DATE: 8/21/16	EPISODE: 240
DATE: 8/28/16	EPISODE: 241
DATE: 9/04/16	EPISODE: 241

SYNOPSIS:

EPISODE 233

The way people feel about their appearance can impact their whole being. Shawn will introduce us to a plastic surgeon who helps his patients look and feel better about themselves. And for her premiere on Real Life 101, our new field reporter, Alecsa, will meet the top recruiter for PwC. She'll find out the qualities the company is looking for when hiring new employees and interns. Do you enjoy organizing and want your own business? Don't miss Shawn's interview with a woman who provides a helping hand for her clients by running errands and getting their homes in order.

EPISODE 234

We'll meet Elan, a fashion designer and women's clothing manufacturer who gives Gracey a look at his intriguing career . . . and his beautiful styles. Then Shawn will talk with a marketing and advertising executive and discuss how she gives her clients the biggest bang for their advertising buck including media buying. Plus we'll take a trip to the Miami Seaquarium where Gracey meets up with the animal care manager and learns how she tends to the exhibit and rescue animals such as manatees and turtles.

EPISODE 235

The term "organic" is becoming more commonplace on grocery store shelves. But do you know what it means? Shawn will find out from an organic farmer who runs a business that makes orange juice you may find in your produce section. If you're interested in a different type of music career, you'll want to see Alecsa's interview with a Music Therapist and learn how he uses music to help people with various illnesses. We'll also look into another health career . . . one that has to do with eyesight . . . when Shawn visits a para-optometric assistant and sees the things she does to assist the doctor.

EPISODE 236

Gracey is going to take us to a marina where she meets up with a charter boat captain and learns about the fun and fascinating career he calls work. Work. . . Really? Career options are soaring in the Aeronautical industry. Shawn will talk to the director of Career Services at an aviation and aerospace university. She'll share with him not only what she does, but what the up and coming

jobs will be in this field. And Gracey will visit a women's clothing manufacturing company and see how the production manager oversees the whole manufacturing process of their fashions.

EPISODE 237
Shawn is going to meet a county court judge and see how she got into her coveted position and why she loves her career on the bench. Plus Gracey is going to talk with the general manager of a major hotel chain who tells her the varied things his job entails – and how he does everything with a certain goal in mind. Then, Shawn will visit an auto repair shop where the owner shares with him some of the skills needed when diagnosing and fixing problems with a car. As an auto technician, he uses a lot more than a computer!

EPISODE 238
Overseeing almost 3000 inmates plus a large staff in a county jail is an enormous responsibility. Gracey will talk with the Chief of Corrections and learn about a career in criminal justice. Then Shawn will meet up with an estate planning attorney and learn how he works with his clients to have their affairs in order and wishes met for their inevitable passing. Plus, Alecsa will visit a podiatrist to learn why she chose this specialty and how we can avoid foot and ankle problems that most of us experience at one time or another.

EPISODE 239
Just like at home, people at work often have trouble getting along. Shawn will speak with an industrial psychologist and learn how she helps with conflicts and other problems in the workplace. People are blogging about every subject you can think of nowadays. Alecsa will talk with a lifestyle blogger who'll share with us how she got her start in this popular business. Plus, Shawn will visit an airport where he meets a man who merged his love of aviation with his interest in business and management into a career as the Director of Airport Operations.

EPISODE 240
Did you know that a different set of laws apply to accidents that happen on the sea in open water? Gracey will talk with a maritime attorney and learn how he applies these laws when working with clients who want to file a case against a cruise ship or boat. Then Shawn will visit a hair salon where he speaks with a hairdresser. He'll learn why she chose this career and some of the skills involved in making her clients look great. And if you think you might like a career working on yachts and ocean cruising, you'll enjoy Gracey's interview with a person who makes her living as a deckhand.

EPISODE 241
Alecsa will meet the Executive Director of a non-profit organization, LIFT Orlando. He has a passion for neighborhood revitalization and empowering its residents. Plus, Shawn will meet a licensed cruise agent and see why she loves working with her clients to ensure they have a great cruise experience. She'll also talk about some of the perks of her job. Then for you pet lovers, Alecsa will visit an animal shelter and talk with an animal care officer to learn about his duties and what his favorite part of the job is.

SRP STEVE ROTFELD PRODUCTIONS

MEMORANDUM

TO: PROGRAM DIRECTORS

FROM: FERN ROTFELD / CAROL BROOKS / BRUCE GENTER / MATT JAY

DATE: JUNE, 2016

RE: FCC OBJECTIVE LETTER – **"XPLORATION EARTH 2050"**

Xploration Earth 2050 – This series is also a part of a 3-hour block of STEM based E/I programs titled… **XPLORATION STATION**

What will the world look like in 2050? Where will advancements in science, technology, engineering, and mathematics lead us? **Xploration Earth 2050** strives to answer these questions and more with scientists, inventors, doctors, science fiction writers, and creative thinkers. This half hour weekly series, produced primarily for the 13-16 year old target audience will appeal to the whole family. Viewers will be taken on an educational adventure as the show tackles future challenges in everything from transportation to health care to the environment.

Xploration Earth 2050 is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience' interest in the field of STEM education.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children's Television Report. These write-ups will be emailed to stations on a quarterly basis. ***Also, each episode is close-captioned and E/I inscribed throughout.***

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com

STEVE ROTFELD PRODUCTIONS

MEMORANDUM

TO: PROGRAM DIRECTORS

FROM FERN ROTFELD / CAROL BROOKS / MATT JAY / BRUCE GENTER

DATE: JUNE, 2016

RE: FCC OBJECTIVE LETTER – **"XPLORATION NATURE KNOWS BEST"**

Xploration Nature Knows Best – This show is part of a 3-hour block of STEM based E/I programs titled… **XPLORATION STATION**

Produced primarily for the 13-16 target audience, **Xploration Nature Knows Best** will inspire and educate audiences of all ages. Host and marine biologist, Danni Washington, exudes energy as she relates how technology all around us was inspired by nature and how modern innovators are continuing with this practice. We will whirl around in airplanes inspired by birds, and in helicopters influenced by the dragonfly, and even jump from a few such vehicles to illustrate how wingsuits were invented based on the flying squirrel! But engineers aren't the only scientists looking toward nature. We will also meet with biologists studying the behavior patterns of ants; architects who design "living buildings"; and roboticists who are making their designs bigger, stronger, and faster based on animals. This series will help kids to understand how getting outside and taking a look around can help them make the next great discovery!

Xploration Nature Knows Best is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience' interest in the field of STEM education.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children's Television Report. These write-ups will be emailed to stations on a quarterly basis. ***Also, each episode is close-captioned and E/I inscribed throughout.***

If you need additional information, please feel free to contact us

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Director of Syndication Sales
ferm@rotfeldproductions.com or matt@rotfeldproductions.com

SRP STEVE ROTFELD PRODUCTIONS

MEMORANDUM

TO: PROGRAM DIRECTORS

FROM: FERN ROTFELD / CAROL BROOKS / BRUCE GENTER / MATT JAY

DATE: JUNE, 2016

RE: FCC OBJECTIVE LETTER – **"XPLORATION OUTER SPACE"**

Xploration Outer Space – This series is also a part of a 3-hour block of STEM based E/I programs titled… **XPLORATION STATION**

This half-hour weekly series produced for the 13-16 target audience will certainly attract viewers of all ages. Each week our host Emily Calandrelli will take viewers on incredible journeys through space that will both entertain and educate. Ever wonder what it would be like to live in space or on a different planet? Watch our host try to perform every day responsibilities while floating in zero gravity. Explore the challenges that come along with living on a different planet as our host lives like an astronaut in a Mars-like habitat. We will have episodes on space robotics, commercial space tourism, asteroids, and our search for life, among many others. *When appropriate, the host will highlight NASA related programs and internships for young students that are relevant to the content we have shown.

Xploration Outer Space is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience' interest in the field of STEM education.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children's Television Report. These write-ups will be emailed to stations on a quarterly basis. ***Also, each episode is close-captioned and E/I inscribed throughout.***

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STEVE ROTFELD PRODUCTIONS

MEMORANDUM

TO: PROGRAM DIRECTORS

FROM: FERN ROTFELD / CAROL BROOKS / BRUCE GENTER / MATT JAY

DATE: JUNE, 2016

RE: FCC OBJECTIVE LETTER – **"XPLORATION AWESOME PLANET"**

Xploration Awesome Planet – This series is also a part of a 3-hour block of STEM based E/I programs titled… **XPLORATION STATION**

Produced primarily for the 13-16 target audience, **Xploration Awesome Planet** will inspire and educate anyone interested in earth sciences. Our host, Philippe Cousteau, the grandson of legendary Jacques Cousteau, brings boundless energy to every location we visit. From magnificent mountains to violent volcanoes, this program takes an in-depth look at the unique and distinct features on planet Earth. We not only visit gigantic glaciers and behold their beauty but also discover **why** they formed, and **how they shaped** our landscape. Geological experts share their wisdom with Philippe, as we strive to understand places *on* the earth, *inside* the earth, and *above* the earth

Xploration Awesome Planet is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience' interest in the field of STEM education.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children's Television Report. These write-ups will be emailed to stations on a quarterly basis. ***Also, each episode is close-captioned and E/I inscribed throughout.***

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Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com

STEVE ROTFELD PRODUCTIONS

TO: PROGRAM DIRECTORS

FROM: FERN ROTFELD / CAROL BROOKS / MATT JAY / BRUCE GENTER

DATE: JUNE, 2016

RE: FCC OBJECTIVE LETTER - **XPLORATION Weird But True**

XPLORATION Weird But True – This show is part of a 3-hour block of STEM based E/I programs titled… **XPLORATION STATION**

Produced primarily for the 13-16 target audience, **XPLORATION Weird But True** will inspire and educate audiences of all ages. This series, produced in partnership with National Geographic Kids, is hosted by the brother-sister team of Charlie and Kirby Engleman. Charlie is an Ecologist and Kirby is an Artist, and they are both National Geographic Junior Explorers. Together, they share a common curiosity to explore and understand the science behind the world and its wildlife.

In this series, Charlie and Kirby explore a new topic each week to uncover the "Weird But True" science at play all around us. With a mix of graphics and handmade art, this E/I series is fun, playful and educational. For instance, in the first episode, our hosts are curious to learn about asteroids – and so they set off to explore the biggest meteor crater in the US and meet a real-life meteorite hunter. They also try their hand at tracking down space rocks. Along the way, they discover that meteor crash sites can turn into quicksand! On **XPLORATION Weird But True**, Charlie and Kirby inspire teens to question the HOW and WHY behind the way our world works, and encourage them to discover answers to their most curious questions.

XPLORATION Weird But True is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience' interest in the field of STEM education. This series will help teens and viewers of all ages learn to question the world around them.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children's Television Report. These write-ups will be emailed to stations on a quarterly basis. ***Also, each episode is close-captioned and E/I inscribed throughout.***

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com

SRP STEVE ROTFELD PRODUCTIONS

MEMORANDUM

TO: PROGRAM DIRECTORS

FROM: FERN ROTFELD / CAROL BROOKS / MATT JAY / BRUCE GENTER

DATE: JUNE, 2016

RE: FCC OBJECTIVE LETTER - **"XPLORATION DIY Sci"**

XPLORATION DIY Sci – This show is part of a 3-hour block of STEM based E/I programs titled… **XPLORATION STATION**

Produced primarily for the 13-16 target audience, **XPLORATION DIY Sci** will inspire and educate audiences of all ages. Host, science educator, and leader in the field of professional educational training - Steve Spangler – encourages the discovery of scientific concepts through experiments viewers can do at home. With a fun, relaxed attitude, Steve will take viewers through step-by-step demonstrations of do-it-yourself experiments that amaze but which also relate back to solid principles of science.

For instance, Steve Spangler became nationally-known with a video showing him dropping the candy "Mentos" into a bottle of diet soda. It erupts in a geyser of soda. On **XPLORATION DIY Sci**, Spangler demonstrates the experiment and also explains the science of why, on a molecular level, the soda reacts that way to the candy.

XPLORATION DIY Sci is a half-hour weekly E/I series produced with the intention of increasing and expanding our target audience' interest in the field of STEM education. This series will help kids understand how they can discover the principles of science with items they can find in their very own home.

Steve Rotfeld Productions will provide a written synopsis of each episode for filing with our stations FCC Children's Television Report. These write-ups will be emailed to stations on a quarterly basis. ***Also, each episode is close-captioned and E/I inscribed throughout.***

If you need additional information, please feel free to contact us

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com

SRP STEVE ROTFELD PRODUCTIONS

MEMO TO: PROGRAM DIRECTORS

FROM: FERN ROTFELD / CAROL BROOKS / BRUCE GENTER / MATT JAY

DATE: JUNE, 2016

RE: FCC CLOSED CAPTIONING QUALITY CERTIFICATION

Steve Rotfeld Productions, Inc. (SRP) will certify that all programs produced and distributed by SRP comply with the quality standards that are required by the FCC for accuracy, synchronicity, program completeness, and placement. The program captioning is in compliance with the requirements of the FCC effective as of March 2015.

Closed Captioning Quality Certifications will be made available to all stations as well as the general public upon request. All such Certifications can be acquired by contacting SRP attention **Matt Jay** or **Fern Rotfeld** at: matt@rotfeldproductions.com or fern@rotfeldproductions.com. Phone: 610-520-0671; address 740 East Haverford Road, Bryn Mawr, PA 19010

Series currently in production are as follows:

XPLORATION AWESOME PLANET
XPLORATION OUTER SPACE
XPLORATION EARTH 2050
XPLORATION WEIRD BUT TRUE
XPLORATION DIY SCI
XPLORATION NATURE KNOWS BEST
WILD ABOUT ANIMALS

Sincerely,

Fern Rotfeld
Director of Syndication Sales
fern@rotfeldproductions.com or matt@rotfeldproductions.com

SRP STEVE ROTFELD PRODUCTIONS

South Street Elementary School
151 South Street, Newark, NJ 07114
(973) 465-4880

7/18/16

Stephanie Wolf
Director of Development
Steve Rotfeld Productions
740 East Haverford Road
Bryn Mawr, PA 19010

Re: Review of Xploration Station

Dear Ms. Wolf,

I have been an educator for over 30 years, holding a variety of positions including technology coordinator, math, and bilingual education within the Newark, NJ Public School system. Viewing your programs instilled hope in me for the future of educational television programming; Xploration Station makes learning fun and interesting for people of all ages.

All of the Xploration Station programs (Awesome Planet, Earth 2050, Outer Space, Weird But True, Nature Knows Best and DIY Sci) have been created for the purpose of educating and entertaining students on STEM subjects (Science, Technology, Engineering and Math). Statistics show that the US has fallen behind other countries in these subjects, and as a consequence, many jobs have been outsourced to better-educated prospects. I had the opportunity to view and evaluate several episodes of each of the stated series. All of these programs target children ages 13-16, however they certainly will appeal to viewers of all ages.

XPLORATION AWESOME PLANET:

This program addresses many topics related to Earth Sciences, encompassing all the fields of science dealing with planet EARTH. To name only a few of the topics discussed in this program: geography, geology, ecology, and glaciology (the glaciers of the earth). It is hosted by Philippe Cousteau, an environmentalist and the grandson of Jacques Cousteau, who brings a lot of enthusiasm to the study of the earth. I was impressed with the producer's ability to successfully deliver scientific information in such an entertaining and engaging way. It gives the viewer an appreciation of the fine balance that exists in our atmosphere. It would be easy for educators to use the content to create lesson plans on Earth Sciences from this program.

Here are a few details from several episodes:
Extinction Earth Episode:
Filmed in Yellowstone National Park, this episode describes and shows geothermal features, the stored thermal energy within the earth's surface. It is very visual and explains why there are geysers, hot springs, volcanoes and the potential issues if the earth balance is disrupted or changed. This episode also explains what meteoroids and asteroids are, and why they are formed. In Northern Arizona a meteoroid created a huge crater 50,000 years ago, and it is interesting to view this in the middle of the desert.
Another episode was filmed in the Canadian Rockies and explained how glacier melt formed beautiful Lake Louise. The program also addresses the concern of rapidly melting and receding glaciers in the Canadian Rockies.

XPLORATION EARTH 2050:

This fascinating and imaginative program allows the viewer to think about all the possibilities for our future world. It looks into the potential of bringing science, technology, engineering and math to another level.
One of the episodes I viewed called "The Future Explores the Past" showed how our improved technology is helping archeologists and anthropologists to study the earth's past. Experts talk about how "Future Tech" and the use of radar, 3D printers, computer generated maps, sophisticated telescopes, drones, and satellite imagery help us to understand how past civilizations lived, how our planet is changing, and giving us very useful information that could not have previously discovered. I found it most interesting to see how advances in modern technology have significantly improved our study of the past. There were many discussions with expert archeologists and anthropologists in the field.

Another Episode of Xploration Earth 2050 called "The Animal Kingdom Meets the Future" demonstrates how advanced technology is able to improve the lives of all animals. One of the segments demonstrated how a prosthetic device was created with the help of a 3D printer for a dog unable to use his front legs. The viewer can see the paraplegic dog able to run with the use of this device. Another segment showed how drones were being used in Detroit to help find abandoned and stray animals, and ultimately save them. The concept of future tech having a large impact on the lives of both humans and animals was most interesting. It appears that every year our technology is becoming more refined and improved, so the future holds unimaginable possibilities.

XPLORATION OUTER SPACE:

This show is very captivating for anyone who is interested in outer space and its possibilities. Host Emily Calandrelli is an aerospace expert, and was a former NASA employee. She is a wonderful role model for women interested in science, as she is young, smart and very passionate. The show also includes interviews with many other knowledgeable experts on the subjects being discussed.

I viewed the episode of Xploration Outer Space titled Solving Mars. Solving Mars' unique challenges will be necessary before we can safely attempt to send astronauts there. At this time, two thirds of all spacecraft sent to Mars without humans have failed, so designing an aircraft that can enter and exit Mars safely is difficult. Besides the distance (it is estimated that it will take 2 ½ to 3 years to get there, further than we have ever been to)) it also presents with

a dangerous environment. Some of the issues that need to be dealt with are the need for radiation protection, the possibility of many dust storms and hazardous weather on Mars. Space suits must be created that will protect humans from dust, radiation, etc.
They are investigating how difficult it would be for 6 astronauts to spend 2 ½ - 3 years together in a closed environment, the time required to travel to Mars. They would be away from family and friends, so their physical, psychological and emotional states must be considered.
Another episode viewed was titled ASTRONAUT HEALTH and addresses the concerns of keeping astronauts healthy. One issue is the lack of gravity in space which causes bone and muscle loss. To counteract this, treadmills are installed in spacecrafts and the astronauts must work out frequently to keep their bones and muscles intact. Prior to going into space they need to undergo vigorous conditioning so they are in optimal shape. Another problem addressed is potential for vision problems in space, due to the rush of fluid into the upper body and brain due to the lack of gravity to keep this fluid down. This fluid in the head has the potential for causing serious visual as well as other problems.
This program will enlighten students, and motivate them to find out more about Outer Space.

WEIRD BUT TRUE:

This playful and curious series shows viewers how fun and surprising science can be! The series clearly looks at a wide variety of topics, which seems to appeal to a broad audience, especially the target age group, 13-16 year olds. The hosts bring an enthusiasm to the series that is downright contagious. Overall it is has a "pop" science feel that kept me engaged and excited to learn more. Having the Nat Geo seal on this program was an added bonus. I could definitely see myself using a number of these episodes in my classroom to introduce my students to new topics.
One of the episodes called "Sense-Ability" reveals the strange and interesting ways our senses work. The hosts, Charlie and Kirby, go to a research lab to speak with a scientist about how our senses function. They take an in-depth look at how taste and smell come together to help us interpret "flavors." By using a series of experiments, the hosts teach kids all about how their senses work in a way that is fun and interactive. I thoroughly enjoyed how the hosts would throw out Weird But True "fun facts" throughout the episode. They are a great way to keep kids with shorter attention spans engaged. A personal favorite of mine was that "babies can both smell and taste things before they're born" – a fact I never knew!
Another episode of Weird But True called "Hurricanes vs. Tornadoes" teaches kids all about super storms. I enjoy how they start every episode covering the 101 of the subject matter to help give the episode context upfront. The "craft" elements are easy to follow, and help break down complex science into easily digestible and entertaining lessons. Once Charlie and Kirby explained the basics behind the storms, they gave a glimpse at a "day in the life" of a real-life expert. Overall I found this to be as entertaining as it was educational.

XPLORATION DIY SCI:

This show is hosted by Steve Spangler, a very popular science educator, who is able to relate well to all age groups, particularly teenagers. He performs science experiments, making them fun and simultaneously explaining the scientific principles behind them. They can be performed at home or in the classroom. He uses common household items that can easily be found in the home. He makes it clear when caution is necessary, such as the use of protective goggles. One

of the episodes I viewed was on the power of Air Pressure. With the use of household items such as a glass jar, coaster and bowl he demonstrates how the air pressure pushing up on the jar will prevent the water from spilling out when turned upside down. He also performs a fascinating experiment with the use of a glass bottle, hardboiled egg, a match and small strip of paper that goes into the bottle. The strip of paper is lit and placed into the bottle, and the egg is then placed on the rim. When the flame goes out, the air molecules in the bottle cool down and contract, making room for more air molecules and creating a vacuum. The egg sitting on the rim is quickly sucked into the bottle because of the greater pressure on the outside.
Another episode that was so much fun to watch was the science behind soda or any carbonated beverage, and explains how carbon dioxide gas creates the bubbles in soda. When you open a can of soda, you release the pressure and the carbon dioxide gas escapes from the liquid, which comes out in the form of bubbles. When it is in the can the pressure inside keeps the carbon dioxide dissolved in the water and there are no bubbles until you open the can and the gas is released. The liquid then cannot hold as much carbon dioxide, so it bubbles out of the can. This episode also teaches how to make soda and the science behind it.
This show successfully explains scientific principles in a most entertaining way!

NATURE KNOWS BEST:

This program teaches how new inventions and technology are developed by observing and understanding nature. Engineers look to nature to help design innovative products.
The host, Marine Biologist Danni Washington, is a young woman who captivates the audience with her enthusiasm. The episode I viewed goes into depth as to how scientists examine birds to develop more advanced aircraft. They look at specifics including wing size, wing movements, etc. They look to birds to understand the physics of flight. Nature itself keeps improving, and therefore they feel that further study can continue to improve our ability to make the most efficient aircraft for both commercial and military purposes.
Also showed graphic exciting images of parachuting and how we can observe flying squirrels to see how they maneuver in the air, and helped in the development of wing suits.
Another episode viewed titled "Bio-Based Building" looks at how the construction of buildings are surprisingly influenced by nature. A "living building" call the Bullit Center is six stories high and resembles a tree. It creates its own energy, collects its own water, and recycles its own waste. Another interesting segment is about the lotus leaf, and how it helped to develop a new water-resistant paint. Very interesting and unique material for sure.

Overall, I found that each of the Xploration Station programs bring something unique to the table. While they are all entertaining and engaging in their own ways, they fit together to create a block of programs an entire family could enjoy together. It is my professional opinion that this programming is exactly the sort of content we need to be sharing with our kids.

Vivian F. Rivera

Vivian F. Rivera
Elementary Bilingual Educator

SRP STEVE ROTFELD PRODUCTIONS

CHESTER UPLAND SCHOOL DISTRICT
OFFICE OF STUDENT SERVICES
1720 MELROSE AVENUE
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610.447.3880
610.499.2683 (fax)

July 16, 2016

Fern Rotfeld
Steve Rotfeld Productions
740 Haverford Road
Bryn Mawr, PA 19010

Re: Review of Xploration Station

Dear Ms. Rotfeld:

As a leader in public education, I am always looking for teaching tools that will both engage students and meet the ever-increasing curricular expectations of both the state and federal governments, as well as the job market our students will eventually find themselves a part of. In the last five years there has been a growing pressure to prepare students for the jobs that will be most prevalent, namely those in the areas of science, technology, engineering and math (STEM). The Xploration Station program block, consisting of six half hour programs: Xploration Earth 2050, Xploration Outer Space, and Xploration Awesome Planet, Xploration Nature Knows Best, Xploration DIY Sci, and Xploration Weird But True, provide family-friendly programing that are engaging both in content and presentation, and in my opinion encourage students to consider future careers in the STEM areas.

Xploration Earth 2050 – This program is hosted by Chuck Pell, an artist, entrepreneur and futurist. The overarching theme or question presented by this show is what the future will look like in the areas of science and technology. The episode I viewed presented the wide range of developing robotics, from robots that kills germs in hospitals with light and another that allows surgeries to be completed, to exoskeletons used to allow paraplegics walk again and astronauts to move in zero gravity. For each type of robot, there is a designer, scientist or end user to talk about the development, uses and how it is changing the lives of people. As with the other shows in this block, it is designed to present the information in a visually stimulating way, with a pace and visual effects that address the need for the material to be engaging to younger viewers.

Xploration Outer Space – This program is hosted by Emily Callendrelli, a host that demonstrates that young women can be cool, smart, and still chose careers in science. This message is critical to addressing the dearth of women who choose to go into STEM careers. The series addresses all areas of space exploration: planets, stars, moons, and how science, engineering and technology are allowing us to learn more every day. The presentation takes very technical and complex information and presents it in a way that is accessible to viewers, but manages to remain very high level in its concepts. In this episode they demonstrated the variety of ways in which balloons are allowing scientists to collect information in ways never done before. Each segment also explains why the information is being collected and what we hope to learn.

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Xploration Awesome Planet – This program is hosted by Phillipe Cousteau, another very engaging host that younger viewers will relate to. Awesome Planet presents earth sciences, including geology, geography and meteorology. The theme of the episode I viewed was 'fire and ice,' and how both fire and ice shape the earth's environments. The episode looked at how extreme forest fires are leaving deposits on the ice sheets in Greenland, contributing to the rate they are melting; the impact of lightening on the surface of the earth (e.g. forest fires) as well as the science that tracks lightening; and a look at Iceland, which boasts both active volcanoes and glaciers.

Xploration Nature Knows Best – This program is hosted by Danni Washington, a young Marine Biologist who brings a lot of passion and fun to the world of science and biomimicry. The show explores how we develop new technologies, products and inventions based on the study of nature. One of the episodes I viewed was "Bio-Based Building" and it was fascinating to learn about a waste-movement system that is based on the intestines of animals. An example was the blue whale. Another episode gave the viewer tremendous insight into how the study of birds has helped us develop some of our most advanced aircrafts. I found the visuals helpful in understanding the concepts explained. This show will give the viewer a greater appreciation of nature and how it can contribute to advances in technology, as well as the development of new products and inventions.

Xploration DIY SCI – This program is hosted by Steve Spangler, a scientist who makes science principles fun to learn by performing captivating experiments. All of his experiments used household items, so they can be duplicated in the classroom or at home. I viewed one episode that includes several experiments related to the power of air pressure. A can of soda is used to teach about the change in carbon dioxide gases and air pressure. I watched a soda can implode when it was dropped into a bowl of water, due to the change in pressure. The host successfully offers clear explanations and provides excellent visual images of scientific principles.

Xploration Weird But True – This program is hosted by a talented brother and sister team. Charlie, an Ecologist and his sister Kirby bring a lot of excitement and humor to this program. I viewed an episode on "Hurricanes versus Tornadoes" which thoroughly explains how storms are formed, and addresses many little known details about them. An excellent interview with an expert is included in this episode. I also viewed an episode called "Sense-Ability" which explores our five senses. Many "Fun Facts" were revealed in both these shows. Educators could certainly use a lot of this material in the classroom.

From the perspective of an educator, the Xploration programs meet many criteria for educational tools: they present a variety of topics all aligned to the encourage students into STEM careers; they present topics in an accessible way that addresses the Common core drive for students to be able to understand and answer higher level questioning, and perhaps most importantly, the presentation is very engaging to younger viewers. The importance of this last factor cannot be under-estimated. If a younger viewer won't watch the show, everything else is meaningless.

Andria B. Saia

Andria B. Saia, JD, M.Ed
Assistant Superintendent

740 Haverford Road, Bryn Mawr, PA 19010 Phone: 610-520-0671 Fax: 610-520-0681

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SRP STEVE ROTFELD PRODUCTIONS

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Xploration Station - Educator Evaluation

Educators today are looking for compelling, engaging audiovisual content that serves the needs of students. **Xploration Station** produced by Steve Rotfeld Productions meets that need. Experts consider the lack of STEM graduates as a risk to US competitiveness and even national security. The **Xploration Station** shows address one of the most pressing issues of our time.

> *"At the top of the list of challenges to American competitiveness and national security is the lack of STEM (science, technology, engineering, and math) graduates in our schools and universities."*
> ~ American Security Project

The shows encompass the best of modern science. The shows will not only encourage interest in particular topics, but also plant the seeds for a lifelong fascination with science. Many scientists today credit their initial interest to television science programs. The **Xploration Station** shows will serve a vital role inspiring students to undertake STEM careers.

Xploration Station Outer Space – Any child who looks at the night sky cannot fail to be awed by the spectacle. As I worked with the team that created the *Overview Effect* short movie that has 3.7 million views on Vimeo, I am confident that *Xploration Station Outer Space* will build on the natural fascination kids have for the night sky. The shows enable students to connect space to their personal experience. Students study the problem of how to wash your hair in space while also addressing big questions, such as the possibility for life beyond Earth. Topics such as space weather cover very real challenges that connect students to potential careers in related technology.

Xploration Station Awesome Planet – It's astonishing to realize that we know more about the surface of the moon and Mars as we do about the less accessible corners of our own planet. *Xploration Station Awesome Planet* will inspire students' desire to learn about the wonders of our Earth by taking them to these hidden places, such as charismatic volcanoes and the mysterious deep oceans. As the author of two travel guidebooks to the Amazon rainforest, I can testify that a show that entertains while it educates is a powerful way to reach into the hearts and minds of students. As the world undergoes unprecedented change, we certainly need more scientists to unravel Earth's mysteries. *Xploration Station Awesome Planet* will go a long way to meeting that need.

Xploration Station Earth 2050 – Although change can be unsettling, most parents and educators know how readily kids embrace it. The episodes of *Xploration Station Earth 2050* build on the fascination children have for the

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power of technology, not only the seeming magic of it, but also its ability to solve pressing problems. As an early adopter and with my own long time interest in futurism, it's clear to me that students want to understand where science and technology are taking us, and the kind of world we are creating for our own children. *Xploration Station Earth 2050* shows students the potential of technological trends, such as robotics, automated transport system and artificial intelligence, to change our world for the better.

Profile

I am a former middle school teacher and continue to work with local schools on program development. I also currently work with leading online science education providers such as Discovery Education, providing standards-based content for Discovery's Techbook, which is the leading online education portal for middle and high school teachers. I've also provided science curriculum content to top STEM organizations including Intel, 3M and the US Navy.

With this breadth of experience, I am confident in fully supporting **Xploration Station** for its educational value. The shows will benefit teachers by promising an entertaining format to engage students, but without "dumbing down." In this way, the style of programming allows students to explore and expand on topics they encounter in the regular curriculum. The country needs **Xploration Station** for the sake of our teachers, children and the national interest.

Roger Harris
Principal, Harris Social Media LLC
October 2015

SRP STEVE ROTFELD PRODUCTIONS

"XPLORATION AWESOME PLANET"

SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of September 26, 2016 (Episode #104)
This week we look to debunk a few predatory myths from our oceans to deserts. We join the shark research team at the University of Miami for two days of shark studies - first right by the city skyline and then further out to sea. We then head to Florida where Philippe will visit an antivenom lab home to hundreds of venomous snakes. We also see how venomous snakes use defense mechanisms to scare threats away.

Week of October 3, 2016 (Episode #105)
The week from oceans to mountains we follow the paths of animal migrations. We start in Hawaii as Philippe joins a humpback whale research team to get up close and in the water with these majestic animals that swim thousands of miles each year to and from Alaska. Then it's into the Rocky Mountains to see how Jackson, Wyoming accommodates thousands of elk that migrate to this area each winter. We finish in the Delaware bay where every year at a very specific time horseshoe crabs migrate to shorelines to breed and lay eggs.

Week of October 10, 2016 (Episode #106)
This week we see examples of people making a difference to help our planet. We start at the Karen Beasley Sea Turtle Rescue and Rehabilitation center in North Carolina as Philippe gets a tour of this incredible facility. We then head to the beach where dozens of sea turtles are released back into the wild. Five thousand miles away in the Pacific Ocean, Trilogy Excursions leads regular coral reef cleanups to help keep these precious ecosystems in Hawaii as healthy as they can. Finally, in Olympic National Park the planet heals itself through temperate rainforests that help to filter air pollution.

Week of October 17, 2016 (Episode #107)
This week we visit South Carolina. Philippe joins the Department of Natural Resources to tag tiger sharks in Port Royal Sound. Then we head inland for a hike to find wild venus fly traps. From there it's back to the shoreline of Port Royal Sound to examine ecosystem indicators through three different species of crab. And finally, Congaree National Park plays home to the largest bottomland hardwood forest in the US.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of October 24, 2016 (Episode #108)
Host Philippe Cousteau looks at new ways of cultivating fresh, nutritious food. He visits a farm in Los Angeles where they grow food on a parking lot, just to show that fresh food can be grown in an urban environment. We also look into what distinguishes fruits from vegetables. The results can be surprising. And then we look at the amount of food that is wasted worldwide, and why so many people go hungry every night.

Week of October 31, 2016 (Episode #109)
Host Philippe Cousteau looks at ways scientists are measuring the health of our forests. In New England, Philippe visits a white pine forest that is being threatened by invasive plants. At the University of California - Santa Cruz, students use sonic-tomography to look inside trees in order to detect any signs of disease. At the Pine Barrens of New Jersey, we discover why the pitch pine tree is able to withstand occasional wildfires. And in Los Angeles, volunteers are planting trees in order to create an urban forest.

Week of November 7, 2016 (Episode #110)
This week we head to the beautiful landscape of Glacier National Park. Philippe heads out to uncover insect fossils dating back 45 million years. Then we look at the intricate geology of the park itself. From there we track one of the most important food sources of the park - wild huckleberries. And then we join a group of students participating in a citizen science expedition.

Week of November 14, 2016 (Episode #111)
This week we look at the wonderful world of insects. Philippe heads to the University of Texas to see how research helping to control invasive fire ant populations. Then we go to Penn State University to look at the complex societies ants create. We stay at PSU to look at the importance of pollinators and then wrap up at the University of Pennsylvania to see how researchers study disease transmission of mosquitoes.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of November 21, 2016 (Episode #112)

This week we see how science helps us prepare for natural disasters. Philippe heads to the University of Miami to see their incredible SUSTAIN lab that can simulate a category 5 hurricane. Then it's off to the mountains of Alberta to learn about avalanche safety. From there's we head to South Carolina to follow researchers that study floods. And finally at the University of Reno a "shake table" helps with designing buildings that can hold up during earthquakes.

Week of November 28, 2016 (Episode #113)

This week we see how nature can sometimes be the best classroom. Philippe heads to Key Largo to join a high school class getting up close with local sea grass habitats. Then we head to the streams of Pennsylvania to go on a "Bio-Blitz" surveying aquatic insects. From there it's up to the Pacific Northwest to see how volunteers use camera traps to keep tabs on elusive animals. And finally in Los Angeles we join the Natural History Museum for an urban citizen science project.

Week of December 5, 2016 (Episode #114)

We head to a winter wonderland in Banff, Alberta, Canada. Philippe joins the avalanche safety team at Ski Lake Louise as they show a few different ways of avalanche control including dynamite blasts on the mountain. We then head to the Fairmont Chateau Lake Louise for a snowshoeing expedition. And finally we look at the dynamics of ice while climbing a frozen waterfall.

Week of December 12, 2016 (Episode #115)

We look at different examples of cultural science. Starting off in Hawaii, Philippe paddles out on a 6-man canoe during a lesson in early Hawaiian navigation. Then it's off to Florida to join members of the Seminole tribe who show us different uses of plants as tools and food in the harsh terrain of the everglades. We wrap things up in the Pacific Northwest looking at how the Suquamish tribe teaches today's youth the importance of salmon conservation.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of December 19, 2016 (Episode #116)

This week we look at our microscopic world. Philippe heads to the University of Texas to break down the microscopic world of sand. He'll stay on campus to then look at how microscopic science plays a role in researching fire ants. From there it's off to the University of Pennsylvania to get deeper look into soil. And finally researchers at USC study some of the smallest organisms in the ocean.

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SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of September 26, 2016 (Episode #104)
Green technology is radically changing the way people get around. Host Chuck Pell will take to the road in a hybrid between a solar powered car and an old fashioned tricycle-- that has no carbon footprint. He'll visit the factory where electric powered buses are changing the daily commute for millions. And trains that float just inches above the ground will get you from one major city to the next as fat as an airplane.

Week of October 3, 2016 (Episode #105)
If you want to see some of the world's most famous treasures you often have to travel thousands of miles. Now, as host Chuck Pell saw for himself, high tech is bringing fossils, artwork and historical artifacts to classrooms around the world. And virtual reality is changing the way teachers learn to do their job. Chuck goes to the virtual classroom to test himself in front of students of the future.

Week of October 10, 2016 (Episode #106)
Inventors are up to some crazy things. We'll see a mirror that records your reflection —from all sorts of angles--- and downloads all those images to your cell phone. Host Chuck Pell will demonstrate a bulletproof material made of a new kind of foam. And a New York City hotel has a new employee: a two-ton robot that loves to handle visitors' luggage.

Week of October 17 2016 (Episode #107)
Doctors and botanists have come together to GROW medicine. Host Chuck Pell visits a lab where vaccines are developed inside of plants and then processed into pills---a development that could save millions of lives in the developing world. Drones are being used to deliver medicine not only across town---but across your living room. And virtual reality is giving doctors a view of the human body they've never had before.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of October 24 2016 (Episode #108)
Humans have always been interested in the workings of planet Earth and high tech is giving them all sorts of new insights. Did you know that Earth's magnetic poles have shifted dozens of times during the planet's history? Host Chuck Pell visits scientists who've created a huge device that shows how this happens and predicts when it will happen again. And we'll explore the farthest reaches of the ocean's floor –an area we know less about than the surface of Mars!

Week of October 31, 2016 (Episode #109)
Environmental bad guys beware! Trees are now safer thanks to new satellite imagery giving us a view of our planet like we've never had before. We now know how many trees are on Earth and—almost in real-time--- can tell who's cutting them down. And host Chuck Pell samples a new kind of tree---one that's built in a lab and designed to stop global warming.

Week of November 7, 2016 (Episode #110)
Movies and video games have been creating simulated environments for years but now the military is creating physical environments that simulate rain forests, deserts, combat situations, and even the surface of Mars. Host Chuck Pell goes to a lab where he's in a blistering desert one minute and a tropical rain forest the next---all in one building.

Week of November 14, 2016 (Episode #111)
New sources of power are transforming people's lives, particularly in developing countries. Host Chuck Pell meets two young entrepreneurs who've invented a portable light that's virtually indestructible and runs on sunlight. And, believe it not, sewage is being used to create clean drinking water AND electricity.

Week of November 21, 2016 (Episode #112)
Hi tech is a serious business, but it's also fun and games. Host Chuck Pell gets in the virtual cockpit for a new kind of drone racing that's going international. He'll watch as robots compete in the world's most futuristic soccer match. And a new football 'dummy' isn't as dumb as he seems.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of November 28, 2016 (Episode #113)
New tech is allowing all of us to become inventors. Welcome to the Maker Movement --- a worldwide phenomenon designed to get everyone making all sorts of strange and unusual gadgets. Host Chuck Pell visits a Makers Faire for some hands-on experience in how young and old alike are creating the future.

Week of December 5, 2016 (Episode #114)
As society advances new technologies are applied to what we learn and the ways we learn it. What will learning look like in 2050? Host Chuck Pell shows us a place that's taking a hands-on approach to learning with robotic creatures. Can video games teach us anything? You bet they can. Specialty schools help kids learn things they are passionate about. And after school programs and camps are introducing students to some cool and exciting technology.

Week of December 12, 2016 (Episode #115)
We don't often think about what things are made of, but the materials that go into our vehicles, homes, and appliances are undergoing a revolution. Host Chuck Pell will see how industrial diamonds are transforming manufacturing. He will experiment with a type of metal that gives new meaning to 'waterproof.' And he'll get in the lab with a brand of concrete that heals itself—just like human skin.

Week of December 19, 2016 (Episode #116)
Sound—you don't think much about it, but futurists and entrepreneurs do. Host Chuck Pell catches up with two college-age inventors who've created a fire extinguisher that puts out fires---with sound waves. Another inventor has created a 'sound cloaking' device that could make submarines invisible to sonar. And sound waves can also be used to defy gravity---provided you can generate enough noise.

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"XPLORATION OUTER SPACE"

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of September 26, 2016 (Episode #104)
There's a new generation of satellites that are heading for low-earth orbit. They're now smaller and smarter than ever before. Join host Emily Calandrelli as we look at satellites that will provide us with instant images of our planet and bring high-speed internet to every human on Earth.

Week of October 3, 2016 (Episode #105)
Four artists display their unique methods of illustrating the mysterious frontier of outer space. Don Pettit, an astronaut, takes amazing photos from the International Space Station. Another artist uses spray paint to portray vivid views of space. Host, Emily Calandrelli tries spray painting as well.

Week of October 10, 2016 (Episode #106)
Private companies are now making plans to venture into outer space to mine valuable resources from asteroids and the moon. But is it legal? Join host Emily Calandrelli as we look at the futuristic plans of these companies, and the recent laws giving them permission. We also look at the legal battles of one man who boldly claims to own an asteroid.

Week of October 17, 2016 (Episode #107)
Four astronauts who have gone on missions into outer space share their perspective of life in micro-gravity. Host Emily Calandrelli visits each astronaut, including Story Musgrave, the only astronaut to fly aboard all five space shuttles, and Anna Fisher, one of the first American females to go into space.

Week of October 24, 2016 (Episode #108)
The world's leading private space companies are testing their top-secret technologies everyday in the desert of California. Join Emily Calandrelli as she explores Mojave Air and Space Port and the technologies of tomorrow that will lead the way in space exploration.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of October 31, 2016 (Episode #109)
Join Host Emily Calandrelli as she explores the latest in science's search for life outside of planet Earth. From Microbes to advanced intelligent beings - recent discoveries are bringing scientists closer than ever to finding alien life.

Week of November 7, 2016 (Episode #110)
High school and college students compete for a fantastic prize: Going aboard a Zero-G aircraft where they'll experience microgravity with host, Emily Calandrelli. We'll see the student-winner try to execute a scientific experiment in weightlessness.

Week of November 14, 2016 (Episode #111)
When venturing into deep space to discover new worlds, robots are needed to first explore these extreme environments. Host Emily Calandrelli shows us robots that are leading the way, both to Mars, and other destinations in the future.

Week of November 21, 2016 (Episode #112)
The Space Shuttle program spanned 30 years, and accomplished many things in low-Earth orbit. Host Emily Calandrelli speaks with five astronauts who ventured into space aboard this amazing and complex spacecraft.

Week of November 28, 2016 (Episode #113)
We'll explain why Pluto is no longer considered a planet, and why some scientists believe there is another planet in our solar system that hasn't been discovered yet. Host Emily Calandrelli looks at many objects that, regardless of definition, look like new and fascinating planets.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of December 5, 2016 (Episode #114)
Host Emily Calandrelli discovers various ways the public is helping scientists explore outer space; from sending bacteria samples to the International Space Station to tweeting observations about the Northern Lights. Another way they help is by using home computers to search for alien life.

Week of December 12, 2016 (Episode #115)
Once we land on Mars, how will we survive? Host Emily Calandrelli visits NASA's Swamp Works, which tests space suits and machines for Mars-like conditions. We also look at the history of space suits, and discover a futuristic space suit that's in the works at MIT.

Week of December 19, 2016 (Episode #116)
Host Emily Calandrelli explores what kind of experiments are being conducted on the International Space Station that will benefit humans on earth. We'll look at the history of the I.S.S., and see how students are communicating directly with astronauts aboard the space station.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of September 26, 2016 (Episode #104)
Host Steve Spangler shows you how to walk on water! Plus other unbelievable experiments you can do at home that all explore the question, "What is a fluid

Week of October 3, 2016 (Episode #105)
Host Steve Spangler shows you how to make your own automatic toilet paper launcher, using the same science principles that keep an airplane in the air. Plus, how you can create a do-it-yourself smoke ring bazooka and a high-speed ping pong ball launcher.

Week of October 10, 2016 (Episode #106)
You can be a do-it-yourself NASA, with simple rockets you can make at home from stuff you can buy at the hardware store. Host Steve Spangler shows you how to make high-flying rockets using soda bottles, balloons, vinegar and straws.

Week of October 17, 2016 (Episode #107)
There's a whole laboratory in your kitchen! Host Steve Spangler shows you how to make crazy creations like soap soufflé and "elephant toothpaste" from stuff you can buy at the supermarket.

Week of October 24, 2016 (Episode #108)
It may be invisible, but it can put out a fire, change your voice and soak your friends when you use it in a prank. It's the power of gas. And host Steve Spangler shows you to harness that power at home. Then, Steve locks 25 people in a truck with a thousand mini-rockets filled with water and Alka-Seltzer. What could go wrong?

Week of October 31, 2016 (Episode #109)
Host Steve Spangler shows you how to create "weather" inside your own home... from a tank filled with smog to a room-sized tornado.

Week of November 7, 2016 (Episode #110)
You have an orchestra in your closets! Host Steve Spangler shows you how to make wacky musical instruments from household items like glasses, pipes and even your car.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of November 14, 2016 (Episode #111)
Host Steve Spangler shows you offbeat and practical ways you can use magnets... from how to make putty that eats magnets to how you can find rocks from Outer Space on your roof.

Week of November 21, 2016 (Episode #112)
You can be a magician... if you know some science. Host Steve Spangler reveals the science secrets to famous magic tricks, including how to walk on glass without slicing up your feet.

Week of November 28, 2016 (Episode #113)
Host Steve Spangler reveals amazing science tricks you can do with an ordinary egg. He shows how to fold up an egg and put it in your pocket. And you'll find out the secret to walking on eggs without a runny mess.

Week of December 5, 2016 (Episode #114)
Learning how space affects the body is crucial if we want to journey deeper into the galaxy. Join host Emily Calandrelli as she trains and eats like an astronaut and learns about the dangers and challenges astronauts face when they travel outside our planet.

Week of December 12, 2016 (Episode #115)
Host Steve Spangler shows experiments you can do at home that prove the power of air pressure. It all leads to an eye-popping demonstration where Steve makes a 55-gallon steel drum implode.

Week of December 19, 2016 (Episode #116)
Host Steve Spangler is famous for being the scientist who popularized throwing Mentos in a bottle of soda to create a gushing soda geyser. He "supersizes" that stunt with a hundred soda bottles! Plus, other demonstrations you can do at home that reveal the secrets of soda.

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"XPLORATION NATURE KNOWS BEST"

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of September 26, 2016 (Episode #104)
The ocean covers more than 70 percent of our planet's surface and humankind has only explored about 5% of it. But the diverse wildlife from the areas we have investigated serves as a major source of inspiration for modern technology! Host Danni Washington uses this episode as an opportunity to continue the investigation, heading under the sea to explore a reef that's full of life, checking out an invention based on lobster eyes, and becoming one with the fish by turning her feet into fins before riding inside a vehicle based on sharks, whales, and dolphins that will launch her in to, out of, and under the water!

Week of October 3, 2016 (Episode #105)
Everything uses energy but humans are the only species destroying our planet to create it. Host Danni Washington will discover that not only do all other organisms have better means of gathering energy, but by studying their eyes, their fins, and the ways they move we can find ways to improve solar power, wind power, and even kinetic power!

Week of October 10, 2016 (Episode #106)
One of the first instances of bio-inspiration was Velcro influenced by the sticky burrs of the burdock plant. In this episode, host Danni Washington takes a fascinating and fun look at Velcro and other ways inventors have "stuck" with nature including robots that can scale walls or pick-up any object thanks to bugs and chameleons, suction cups inspired by one sucky fish, and an innovation based on the holy-grail of all adhesively-inclined animals… the gecko!

Week of October 17 2016 (Episode #107)
Helicopters took a lot of their early inspiration from one of nature's most efficient fliers in the dragonfly and host Danni Washington's going to take one for a spin to see exactly how! She'll also take a look at how this insect and the wings of owls continue to inspire helicopters and how another one of the helicopter's early influences, the maple seed, has inspired one of the world's coolest new unmanned aerial vehicles.

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of October 24 2016 (Episode #108)
While inventors have been looking toward nature as inspiration for centuries, this science is just starting to come into it's own and was recently given a name… Biomimicry! Join Danni Washington as we visit all the new places where this science is taking hold, from schools, to zoos, to national conventions like the USA Science and Engineering Festival in Washington D.C.!

Week of October 31, 2016 (Episode #109)
Animals in nature have other ways of communicating than you or I do and many of them are able to move collectively in packs called "swarms". Host Danni Washington takes a look at how today's scientists are studying this swarm behavior to make better robots that will help in our factories, to collect things on other planets, or to make better autonomous cars!

Week of November 7, 2016 (Episode #110)
To many people the thought of sharks can be scary but they're actually a huge help to our oceans… and have inspired some awesome tech! Danni Washington will take the plunge and swim with sharks, relaying how their skin is being used to fight germs and their senses can help build better robots! And, if you're still scared of sharks, Danni goes surfing to reveal how scientists are using bio-inspiration to develop wetsuits that should make you nearly invisible to the ocean's top predators.

Week of November 14, 2016 (Episode #111)
Robots are built for all kinds of things and, these days, their inventors are looking toward nature to see how animals can help them to do the things that humans can't! Join Danni Washington as she checks out tiny robots based on manta rays that are helping to fight heart problems, robots that are learning to run as fast as our speediest animals, and giant snake-like robots that are drawing attention to climate change!

Week of November 21, 2016 (Episode #112)
Some of the world's strongest materials are naturally made like the silk spiders use to make their webs which, pound for pound, is actually 5 times stronger than steel. In this episode, Danni Washington will look into how we're looking toward nature to make our other things stronger… like glass, metals, and even ourselves

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SEASON I - 2016/2017

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FOURTH QUARTER

Week of Septmeber 26, 2016 through week of Decmeber 19, 2016

Week of November 28, 2016 (Episode #113)
Drones are all the rage right now… and, thanks to nature, they're doing things that we never imagined! Join Danni Washington as she explores aerial drones that can perch on walls, dive in and out of water, and communicate in swarms!

Week of December 5, 2016 (Episode #114)
It's no secret that birds were the inspiration for the first airplanes but, in this episode, host Danni Washington takes a look at how exactly that connection succeeded. She'll fly planes in tight formation to try to mimic the energy-efficient flight patterns of migrating birds, look at how engineers are inventing wings that change their shape while in flight… and even jump out of a perfectly good plane to test out an innovation based on the flying squirrel!

Week of December 12, 2016 (Episode #115)
Lately, we've been turning toward nature more and more while creating our buildings, not just for the materials, but in the way they're constructed! In this episode, join host, Danni Washington, as she tours the "living building" known as the Bullit Center. This six-story structure mimics a tree; creating its own energy, collecting its own water, and even recycling its own waste. And come along for the ride as we check out other nature-based innovations that are changing our buildings, like a paint that protects them by mimicking the water-resistant properties of the lotus leaf and a waste-movement system based on the intestines of amazing creatures such as the giant blue whale!

Week of December 19, 2016 (Episode #116)
Every species found in nature is a survivor, there's a reason they've been on the planet for as long as they have. So host Danni Washington is trying to figure out what humankind can learn from them that we can use to protect ourselves. She'll explore how fish are helping us to build better armor, how woodpeckers are assisting us to address a top safety concern in the form of concussions, and how one of the deadliest creatures found in nature is now saving lives by keeping planes in the sky during icy conditions!

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"XPLORATION WEIRD BUT TRUE"

SEASON I - 2016/2017

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THIRD QUARTER

Week of Septmeber 5, 2016 through week of September 19, 2016

Week of September 5, 2016 (Episode #101)
This week, brother-sister hosts Charlie and Kirby are looking into the strange world of… Space Rocks! What's the difference between an asteroid and a comet? What happens when interstellar debris collides with Earth?! Our adventurous hosts are heading off to the deserts of Arizona to uncover the answers to these questions and more in this rockin' episode of WEIRD BUT TRUE!

Week of September 12, 2016 (Episode #102)
This week, brother-sister hosts Charlie and Kirby are looking into the strange world of… Extreme Weather! What's the difference between a hurricane and a tornado? Why does the weather change and how do storms form? Our hosts are off to meet real-live storm chasers in Colorado where they'll discover the WEIRD BUT TRUE science behind extreme weather!

Week of September 19, 2016 (Episode #103)
This week, brother-sister hosts Charlie and Kirby are looking into the strange world of… Underwater Archaeology! Why do shipwrecks happen? How do scientists research and explore sunken treasures that hide all the way down at the bottom of the ocean?! Our hosts are on an expedition to reveal the surprising science that helps underwater archaeologists in this episode of WEIRD BUT TRUE!

740 Haverford Road, Bryn Mawr, PA 19010 Phone: 610-520-0671 Fax: 610-520-0681

www.rotfeldproductions.com

WeatherNation
WNTV Subchannel 17.2

ANIMAL RESCUE - TARGETS AGES 13-16 YEARS
AIRED: SATURDAYS @ 10:00AM—A HALF HOUR PROGRAM
TV-G Animal Rescue is closed-captioned

This program exerts a positive influence on its viewers by illustrating the best of human instincts. In particular, the show highlights respect and compassion for all living creatures, informative instruction on medical rehabilitation treatments and techniques, and the teamwork of animal rescue personnel. The viewer learns valuable information about animal development, behavior and habitats, and is also made aware of important environmental issues.

BIZ KIDS - TARGETS AGES 13-16 YEARS
AIRED: SATURDAYS @ 10:30AM—A HALF HOUR PROGRAM
TV-G Biz Kids is closed-captioned and in HD

The program focuses on financial literacy and entrepreneurship for teens. Using a mix of strong financial tools, dynamic sketch comedy, and inspirational true stories of young entrepreneurs, the program provides important information for future success. Each episode includes math, language arts, social studies, and important information about money and business.

DOG TALES - TARGETS AGES 13-16 YEARS
AIRED: SATURDAYS @ 11:00AM—A HALF HOUR PROGRAM
TV-G Dog Tales is closed-captioned

Each episode of Dog Tales profiles a breed of dog; its history, popularity and characteristics. Viewers will learn the differences in dogs and how those differences affect their lives. Viewers are shown families who own particular breeds, how they interact with their dogs, and how they are a valuable part of the family. Several dog experts explain the various dogs' needs, health, nutrition requirements, safety, and care.

DRAGONFLY TV - TARGETS AGES 13-16 YEARS
AIRED: SATURDAYS @ 11:30AM—A HALF HOUR PROGRAM
TV-G Dragonfly TV is closed-captioned

This program features children engaging in various science projects and demonstrates practical applications of mathematics and science from multiple scientific fields. It introduces young viewers to a variety of scientific disciplines and challenges them in critical thinking and problem solving skills, while providing valuable information to reach answers. Examples of program episodes include studying various ecosystems, sea turtles, and rocket propulsion. Each episode is engaging, entertaining and educational in structure, allowing children to gain an appreciation for science in a unique and entertaining way.

MISSING - TARGETS AGES 13-16 YEARS
AIRED: SATURDAYS @ 12:00PM—A HALF HOUR PROGRAM
TV-G Missing is closed-captioned

This program features actual cases of missing individuals across the country. Assisted by local state and federal law enforcement agencies, as well as the National Center for Missing and Exploited Children, the program interviews friends, family, and investigators involved with the cases. The program emphasizes taking responsibility for personal safety and promotes situational awareness. Each episode showcases safety tips, a safety quiz, and an instructional message from the National Center for Missing and Exploited Children.

THINK BIG- TARGETS AGES 13-16 YEARS
AIRED: SATURDAYS @ 12:30PM—A HALF HOUR PROGRAM
TV-G. Think Big is closed-captioned

Think Big is a kid-hosted entertaining series for young people that follows the world's most innovative kids as they create and invent new toys, games, learning tools, websites, and modes of transportation. The program features top kid inventors who face off against one another in an Invent-Off to see who can come up with the most innovative and creative invention. In each episode, two teams brainstorm, choose materials, and sketch and design their idea. Once completed, the inventions are then judged. This program allows kids to showcase their skills in creativity, science, innovation, marketing and teamwork.

TELCO PRODUCTIONS INC.

Dear Station,

Pursuant to the Children's Television Act of 1990 and the rules and regulations of the FCC, "ANIMAL RESCUE" satisfies the FCC's Children's programming requirements and may be classified as Core Programming as defined under Section 73.671 of the Commission's Rules. "ANIMAL RESCUE" furthers the educational and informational needs of children 13 to 16 years of age with its programming content, including safety tips and informational about various animals and their habitats. The programs also show real life in-the-field experiences of professional and ordinary people taking care of, treating and helping various animals, as well as exhibiting good social responsibility and promoting strong personal and community values. "ANIMAL RESCUE" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "ANIMAL RESCUE" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on-line at our website, www.telcoproductions.com. Also available online are testimonials from our program advisory board, consisting of educators and veterinary professionals who have reviewed the program (see following pages). If you have any other questions or comments, please feel free to contact us.

Sincerely,

Alex Paen

Alex Paen
President,
Telco Productions, Inc.

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403-4747 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com Website: www.telcoproductions.com

VCA Wilshire Animal Hospital
2421 Wilshire Boulevard
Santa Monica, CA 90403
Tel.: (310) 828-4587
Fax: (310) 453-1562

VCA Animal Hospitals
Division of VCA Antech Inc.

Dear Alex,

Upon review of several programs, it is my opinion that "Animal Rescue" is an educational and instructional television series for children 16 years of age and younger. As a teacher, lecturer and Doctor of Veterinary Medicine, I feel "Animal Rescue" is specifically designed to educate and inform children about various types of animals and their care, as well as showcasing professional and non-professional people exhibiting selfless dedication assisting animals in need. The programs not only educate youngsters about a wide and diverse range of the world's animals, their habitats and how they live, but they also offer instruction on medical and rehabilitation techniques and address the social aspects and emotional concerns of being a responsible citizen.

As an Adjunct Professor at Western University School of Veterinary Medicine, a lecturer at UCLA Extension and a practicing veterinarian, I would recommend "Animal Rescue" to parents, educators and broadcasters as an excellent example of informational programming serving young viewers.

Sincerely,

Frank Lavac, MS, D.V.M., Board Certified Specialist in Avian Medicine and Surgery

Wilshire Animal Hospital

Brooks Middle School
350 Blair Lane
Bolingbrook, IL 60440
630-759-6340
630-759-6360 - Fax

brooks@vvsd.org

Alex Paen
Telco Productions, Inc.
2730 Wilshire Boulevard, Suite 200
Santa Monica, Ca 90403

Dear Mr. Paen,

I teach a Family and Consumer Science course in a large and diverse middle school in suburban Chicago, Illinois, and I believe BizKid$ appeals to a wide audience and seeks to communicate somewhat advanced concepts in the field of financial literacy in a manner, not only for young teens, but even for my middle school students in the 6th grade that they can understand and relate to.

The wide variety of topics covered on Bizkid$ allows educators to target specific needs and use the episodes as a springboard to deeper understanding of crucial financial lessons that are too often left out of today's school curriculum. As a Career and Technical Education educator, I appreciate the tremendous value of presenting concepts such as the value of money, interest, credit, and entrepreneurship in a visual media that is engaging and leaves a lasting impression on students, and that is what BizKid$ delivers best. With many states moving to common core standards and incorporating financial literacy within those standards, BizKid$ is well positioned to be a valuable programming asset to any television station in America and I believe the series fulfills the FCC requirement for stations to provide an educational and informational show for children aged 13-16 years of age.

Sincerely,
Thomas Kidwell

Thomas Kidwell
Family and Consumer Science Teacher

Dear Station,

Pursuant to the Children's Television Act of 1990, "BIZ KID$" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "BIZ KID$" serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of understanding the economy and basic business principles. The series features teens starting their own businesses, actively solving problems and developing important life skills.

"BIZ KID$" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "BIZ KID$" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen

Alex Paen
President, Telco Productions, Inc.

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403-4747 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

Melissa Donohue Ed.D.
2109 Broadway, Apt. 15-127, New York, New York 10023
tel. 413-230-7870; email madonohue@gmail.com

November 18, 2012

Alex Paen
Telco Productions, Inc
2730 Wilshire Boulevard, Ste 200
Santa Monica, CA 90403

Dear Mr. Paen,

I have reviewed and designed curriculum for the series "BizKid$," and find the financial and entrepreneurial content of the show to be of very high quality, and of high educational value. I have extensive experience in the fields of finance and financial education, including designing my own curriculum and working with PBS on lesson plans that correspond with programming, and on original financial programming. The BizKid$ series does an excellent job of providing engaging content for teen viewers that also meets the most highly regarded educational standards. The series does a comprehensive job of explaining financial and entrepreneurial concepts thoroughly, but in a language that a teen audience could easily understand and retain. Specifically, the 13-15 age group is sophisticated enough to understand the concepts, but also young enough to enjoy the engaging humor and pop cultural references on the show.

I have a great appreciation for the approach the series has taken to a range of topics from credit to saving to foreign exchange to entrepreneurship. This is a very wide range of topics, with a varying level of difficulty of comprehension. However the BizKid$ series approaches all content very creatively, in a way that both engages viewers and educates them.

The BizKid$ series plays a very important role in teaching financial and entrepreneurship education to teenagers. While it is clear that financial literacy is a critical need in any society, most schools do not have the resources to provide any kind of comprehensive financial education. The BizKid$ series fills an educational void in the U.S. education system, and keeps its viewers interested and engaged while educating them.

All the best,

Melissa Donohue

Melissa Donohue, Ed.D.

SANTA MONICA COLLEGE

Alex Paen
Telco Productions, Inc.
2730 Wilshire Blvd., Suite 200
Santa Monica, CA 90403

Dear Alex,

After reviewing several episodes of "Biz Kid$," I find this exceptional program a "must-see" television experience for all children, especially targeting 13 to 16-year-olds. I believe the program's content meets the FCC's educational and informational requirements for its Children's Programming E/I Act. The series offers teenage viewers practical advice and information on a wide variety of financial, business and monetary topics. The episodes include teens starting their own businesses, showing how to properly manage money, creating budgets and financial goals—all important steps in learning to become responsible adults and citizens. I highly recommend "Biz Kids$" to television stations who want to enhance the quality of their programming.

Sincerely,

Brian A. Peña, MS
Adjunct Faculty
Santa Monica College

Biz KidS Generic Series Description:

Biz KidS is a weekly half-hour series focusing on financial literacy and entrepreneurship for teens, targeting 13 to 16-year-olds. Using a mix of strong financial education tools, dynamic sketch comedy, and inspiring true stories of young entrepreneurs, ***Biz KidS*** provides important information for future success. Each episode features math, language arts, and social studies as well as teaching teens about money and business.

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403-4747 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

Dear Station,

Pursuant to the Children's Television Act of 1990, "Dog Tales" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "Dog Tales" serves the educational and informational needs of children 13-16 years of age with its program content, including dog safety and care tips, as well as lessons on the responsibility of owning a dog. The show also provides informative segments on various dog breeds and showcases various veterinary experts explaining different issues affecting canines. The weekly series also includes recommended reading lists about dogs, and promotes children's writing and creative skills with essay and art contests.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and veterinary professionals who have reviewed the program (see opposite pages).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen
President, Telco Productions, Inc.

TELCO PRODUCTIONS, INC.
2730 Wilshire Boulevard, Suite 200, Santa Monica, CA 90403
Telephone 310-828-4003 Fax 310-828-3340
E-mail: info@telcoproductions.com

VCA Wilshire Animal Hospital
2421 Wilshire Boulevard
Santa Monica, CA 90403
Tel.: (310) 828-4587
Fax: (310) 453-1562

VCA Animal Hospitals
Division of VCA Antech Inc

Dear Alex,

It's my opinion that "Dog Tales" is a valuable educational and instructional television series for children 13 to 16 years of age. The program contains information on medical and health issues for dogs, as well as providing facts and histories of various dog breeds. As a teacher, lecturer and Doctor of Veterinary Medicine, I feel "Dog Tales" educates children about all types of dogs and showcases professional and non-professional people helping and caring for dogs as well as learning the responsibilities of dog ownership. By promoting compassionate behavior towards dogs, the show provides young viewers with a positive message about "man's best friend" and how they are a major part of our world.

As an Adjunct Professor at Western University School of Veterinary Medicine, a lecturer at UCLA Extension and a practicing veterinarian, I would recommend "Dog Tales" to parents, educators and broadcasters as an excellent example of informational programming serving families and especially young viewers.

Sincerely,

Frank Lavac, MS, D.V.M., Board Certified Specialist in Avian Medicine and Surgery

Wilshire Animal Hospital

International Fund for Animal Welfare

FREDERICK M. O'REGAN, PRESIDENT

Dear Alex,

We at IFAW (International Fund for Animal Welfare – www.ifaw.org) believe the educational and informative content of "Dog Tales" is suitable for children 13-16 years of age. The show highlights the compassionate care of dogs while informing young viewers about the responsibilities of dog ownership.

We also feel the show provides guidance to young people in encouraging them to become involved in animal welfare. The show contains examples of various programs administered by professional animal workers as well as volunteers helping dogs. "Dog Tales" also includes various interactions of individuals and families with dogs and how these relationships foster a better understanding of our world today.

IFAW supports "Dog Tales" as a wonderful example of what young viewers should be watching on television and we highly recommend it to parents and educators as well.

Sincerely,

Nancy Barr

Nancy Barr
Public Affairs
IFAW International Headquarters

www.ifaw.org

INTERNATIONAL HEADQUARTERS
411 Main Street
Yarmouth Port, MA 02675-1843
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Japan
Kenya
Mexico
Netherlands
Russia
South Africa
United Kingdom

Telco Productions, Inc.

DRAGONFLY TV

"Dragonfly TV" is a weekly half-hour science television series that meets the educational and informational objectives of the FCC's Childrens Programming requirements for children ages 13-16. The programs highlight children "doing" projects with real hands-on experience and demonstrates practical applications of mathematics and science. It introduces young viewers to a variety of scientific disciplines and challenges them in critical thinking and problem solving skills, while providing valuable information to reach answers. Each episode is engaging, entertaining and educational in structure, allowing children to investigate science on their own. "Dragonfly TV" is closed-captioned for the hearing impaired and displays the "E/I" icon throughout the broadcast.

Alex Paen

Alex Paen
President
Telco Productions, Inc.

Telco Productions, Inc.
2730 Wilshire Boulevard, Suite 200, Santa Monica, CA 90403
Telephone (310) 828.4003 Fax (310) 828.3340 Email info@telcoproductions.com

UCLA Engineering

HENRY SAMUELI SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Electrical Engineering Department

Professor Bahram Jalali
68-109 Engineering 4
Box 159410
Los Angeles, CA 90095-1594
310-825-9655
310-206-2239 fax

Alex Paen
President, Telco Productions, Inc.
2730 Wilshire Boulevard, Suite 200
Santa Monica, CA 90403

RE: Dragonfly TV

Dear Alex,

I have reviewed the series "Dragonfly TV" and I believe it's educational and informational value meets FCC requirements for children's programming aged 13-16 years. As a teaching Professor of Electrical Engineering at UCLA, I consider this extraordinary television series vital to enhancing the interest of science among our youth and applaud those television stations that broadcast it. The series engages young viewers with various scientific projects and provides a variety of information from multiple scientific fields. An example of this is in episode D-105, when youngsters experiment with designing their own model rockets, noting how various shapes, materials and engines affect performance. Another example is in episode D-114, where kids investigate why there are so many boulders present in white water rapids and how they affect the water's speed and direction.

This series' educational contribution to youngsters impresses me, and since there are virtually no science programs on television today, "Dragonfly TV" fills a much needed void.

Sincerely yours,

Bahram Jalali
Professor
Henry Samueli School of Engineering and Applied Science, UCLA

California Science Center

700 State Drive, Los Angeles, CA 90037
Telephone 323.SCIENCE (724.3623)
Fax 213.744.2034
www.californiasciencecenter.org

Alex Paen
President, Telco Productions, Inc.
2730 Wilshire Boulevard, Suite 200
Santa Monica, CA 90403

RE: Dragonfly TV

Dear Alex,

I believe the television series "Dragonfly TV" meets the FCC's educational and informational requirements for children's programming aged 13-16 years. The series is a wonderful example of how television can extend the science knowledge of young viewers. The various scientific experiments and investigations featured on the shows enable young people to gain an appreciation for science in a unique and entertaining way. "Dragonfly TV" not only promotes interest in the various science fields, but also allows young viewers to think critically about different problems and search for solutions. For example, in episode D-109, kids investigate eco-systems and how changes in the environment affect salmon populations. In episode D-103, youngsters invent a "wobble meter" to investigate balance, learning how and why a pole can help a tight rope walker keep from falling.

I wholeheartedly endorse this series and feel the educational and informational value more than meets the standards set forth by the FCC.

Sincerely,

Diane C. Perlov, Ph.D.
Senior Vice President, Exhibits
California Science Center

TELCO
PRODUCTIONS, INC

Dragonfly TV

- SHOW # F-219 -

- INITIAL FEED DATE: WEDNESDAY, JULY 06, 2016 -

SYNOPSIS

- Young aviation enthusiasts analyze various airplane wing designs to determine the best wing cross-section for acrobatic flying.
- Para-gliders investigate how to find the best thermals for gliding, discovering how thermals and formed and measuring their strength.
- Stunt pilots give a practical demonstration of the use of symmetrical cross-section wings.
- Science Riddle: How do you ride a wake board without a speed boat?
- Visiting an engineer who invented a flying wing for hang gliders.

(This show is closed-captioned)

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Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

TELCO
PRODUCTIONS, INC

Dragonfly TV

- SHOW # F-220 -

- INITIAL FEED DATE: WEDNESDAY, JULY 13, 2016 -

SYNOPSIS

- Kids analyze the wreckage from a tornado to determine the tornados wind speed and strength.
- Young scientists head to the National Center for Atmospheric Research to learn how to create a tornado in the laboratory.
- Reading the weather: youngster compare traditional methods of predicting the weather to see which is the most accurate.
- Science Riddle: How can weather be used to stop a criminal in his tracks?
- Visiting a meteorologist.

(This show is closed-captioned)

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TELCO
PRODUCTIONS, INC

Dragonfly TV

- SHOW # F-221 -

- INITIAL FEED DATE: WEDNESDAY, JULY 20, 2016 -

SYNOPSIS

- GEMS (Girls in Engineering Math and Science) build a computer-controlled robot to enter in a competition based on tasks required for the International Space Station.
- A visit to the Santa Monica Pier to see the world's first solar-powered Ferris wheel.
- Experimenting with solar-powered vehicles.
- Science Riddle: How do you get electricity from a cow?
- Visiting a robot designer.

(This show is closed-captioned)

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Telephone 310.828.4003 Fax 310.828.3340
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TELCO
PRODUCTIONS, INC

Dragonfly TV

- SHOW # F-222 -

- INITIAL FEED DATE: WEDNESDAY, JULY 27, 2016 -

SYNOPSIS

- Young scientists take a trip to the Florida Everglades to learn how non-native plant species are threatening the existence of the Florida panther, and a way to combat that threat.
- Scuba divers explore the various habitats in the underwater kelp forests surrounding Catalina Island.
- Fall foliage: investigating why trees change colors at different rates.
- Science Riddle: How do you sort 600 apples in 60 seconds?

(This show is closed-captioned)

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403 USA
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Dragonfly TV

- SHOW # F-223 -

- INITIAL FEED DATE: WEDNESDAY, AUGUST 03, 2016 -

SYNOPSIS

- Using model sail boats, young scientists investigate which sail angle to the wind produces the greatest boat speed.
- The science of hot-air ballooning, revealing how hot air can lift a balloon that is as tall as a five-story building.
- The data gathered using model sail boats is put to the test on a 40-foot sloop sailing in New York Harbor.
- Science Riddle: How can you use air to right an overturned big rig truck?
- Visiting an engineer who developed a new kind of water gun.

(This show is closed-captioned)

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E-mail info@telcoproductions.com

TELCO
PRODUCTIONS, INC

Dragonfly TV

- SHOW # F-224 -

- INITIAL FEED DATE: WEDNESDAY, AUGUST 10, 2016 -

SYNOPSIS

- Testing concentration by measuring how well subjects can pay attention to tow things at once, comparing perception to reality.
- Investigating how various types of roller coasters and amusement park rides affect heart rates.
- Measuring how complex tasks, in this case counting the number passes made during a soccer game, affects perception.
- Science Riddle: How can you tell which part of your brain is working?
- Visiting a web developer.

(This show is closed-captioned)

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

MISSING

September, 2011

Dear Station,

"Missing" will satisfy the FCC Children's Programming requirement and can be classified as either core or non-core programming. "Missing" serves the educational and informational needs of children 13 to 16 years of age with its program content, including safety tips and real life stories using various resources to help find missing people. The show is also a public service to communities across the United States and is endorced by the National Center for Missing and Exploited Children.

Episode synopses are available on-line at our website (www.telcoproductions.com) to facilitate your FCC filing. Also available are testimonials from educators who have reviewed the program.

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen
President, Telco Productions, Inc.

UNIVERSITY OF CALIFORNIA, LOS ANGELES

UCLA

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

SANTA BARBARA • SANTA CRUZ

COMMUNICATION STUDIES/SPEECH
334 KINSEY HALL
405 HILGARD AVENUE
LOS ANGELES, CALIFORNIA 90095-1538

Alex Paen
President, Telco Productions, Inc.
2730 Wilshire Boulevard, Suite 2000
Santa Monica, CA 90403

Re: "Missing "

Dear Alex:

I have viewed your new program "Missing" and I am happy to provide my opinion as to its educational and informational value.

I think this program is an exceptionally important series in the public interest. It performs an invaluable public service by identifying young persons who are missing and alerting the public to this fact. I always marvel at the power of television when I read of long-lost persons who have been found because someone saw a program like this one. Obviously, the wider the circulation, the better the potential for such an outcome.

I also think the series carries an important message for young people in regard to being aware of their surroundings and cautious when dealing with strangers. The tips about how to act in dangerous or potentially dangerous circumstances are also important lessons, both to children and adults. As I said, I believe programming of this kind makes an invaluable contribution to the public interest and, in my view, should be an essential component in any broadcaster's lineup.

Sincerely yours,

Paul Rosenthal
Associate Professor
Communication Studies, UCLA

Culver City High School

4401 Elenda Street **Culver City, California 90230** **(310) 842-2000**

Dear Alex,

I am happy to provide you with my evaluation of your television program, **"Missing."** In my view, **"Missing"** indeed "serves the educational and informational needs of children under 16 years of age."

As a high school teacher and consultant with a graduate degree, I know that children can't learn subject matter if they are fearful for their own safety. **"Missing"** educates the under-16 viewer as to what potential dangers may arise, and how, specifically, these dangers can be successfully dealt with (i.e. your "safety tips"). In addition to helping find missing persons, **"Missing,"** meets and exceeds the informational and educational needs of children under 16 (not to mention their parents). Any television station which cares about serving the public interest should be proud to present such a series.

Best Wishes,

Ms. Lisa Michel, M.S.
Culver City High School
Culver City, CA 90230

FROM THE OFFICE OF

Linda Paddor, M.A.

Education Specialist
Los Angeles, CA

Dear Mr. Paen,

As per your request, I have studied the TV program *"Missing,"* in order to provide you with my assessment, from the perspective of a professional educator and children's consultant, as to whether this program serves the educational and informational needs of children under 16 years of age.

It is my assessment that *"Missing"* meets those needs and more. The first responsibility of educators and parents towards their children is their personal safety. Sadly, we live in a world which seems to grow less safe with time. The program, *"Missing,"* without overstating any dangers, educates children of all ages as well as their parents as to what possible dangers exist to their safety, and illustrates specific ways of dealing with them, via the show's safety tips. As such, it will give children a sense that they have the power and means to protect themselves when away from watchful eyes. *"Missing,"* in my opinion, is an excellent TV program, which meets the informational and educational needs of children under 16, as well as their parents, and would be a great asset to any television station, as well as providing a much needed public service.

Well done,

Linda Paddor

Ms. Linda Paddor, M.A.
Los Angeles, CA

TELCO
PRODUCTIONS, INC

"MISSING"

Host: Alex Paen

- SHOW # M-919 -

- INITIAL FEED DATE: WEDNESDAY, JULY 06, 2016 -

SYNOPSIS

- Profiling the cases of 20 missing children and 3 missing adults.
- Internet Safety tip: Teaching children safe surfing practices and how to recognize potential dangers on-line.
- Advice for teaching children and teens to trust their instincts if a situation makes them feel anxious, scared or just weird; doing your homework when hiring a baby-sitter.
- Safety Quiz: What to do if your ride home from school is late.
- Safety Tip: How to avoid being lured into a stranger's car.
- A look inside the forensic imaging department of the National Center for Missing and Exploited Children.

(This show is closed-captioned)

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

TELCO PRODUCTIONS, INC.

Dear Station,

Pursuant to the Children's Television Act of 1990, "THINK BIG" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "THINK BIG" serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of having a working knowledge of math, science and physics. The series shows children actively solving problems using scientific principles, combining skill and creativity. The series also demonstrates real-world applications for math, science and engineering, proving that that the physical sciences can be useful, challenging and fun. Each episode presents an "invent-off" challenge, where teenage teams must invent a machine designed to perform a specific task in limited amount of time, promoting creative thinking and practical skills.

"THINK BIG" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "THINK BIG" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen

Alex Paen
President, Telco Productions, Inc.

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403-4747 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

Box 951594
UCLA
Los Angeles, CA 90095-1594
Voice: 310-825-9655
Fax: 310-206-2239
Email: jalali@ucla.edu
Web: www.photonics.ucla.edu

Dear Alex,

Having reviewed the series, "THINK BIG" I believe that it serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of having a working knowledge of science, technology, engineering and math (STEM). The series shows children actively solving problems using scientific principles, combining skill and creativity. The series also demonstrates real-world applications for math, science and engineering, proving that that the physical sciences can be useful, challenging and fun.

Each episode presents an "invent-off" challenge, where teenage teams must invent a machine designed to perform a specific task in limited amount of time, promoting creative thinking and practical skills. For example, in one episode teams are challenged to produce a machine for sweeping dust off the floor. They are given the same materials to work with, with each team taking their own novel approach to solving the problem, demonstrating their skills in design, physics and electronics. Using teamwork and ingenuity, both teams succeed in producing a working machine, but only one team wins, based on superior performance.

Sincerely,

Bahram Jalali
Northrop Grumman Endowed Chair in Optoelectronics, Professor
Electrical Engineering Department, Biomedical Engineering Program
California NanoSystems Institute
Department of Surgery, David Geffen School of Medicine at UCLA
UCLA Eli and Edit Broad Center for Regenerative Medicine and Stem Cells

SANTA MONICA COLLEGE

Alex Paen
Telco Productions, Inc.
2730 Wilshire Blvd., Suite 200
Santa Monica, CA 90403

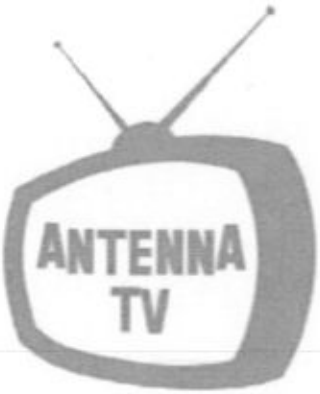
Dear Alex,

I have reviewed the program "THINK BIG" and I find that it meets the educational and informational needs of children 13 to 16 years of age with its program content, especially stressing the importance of science, mathematics and physics. The series also allows the participants to demonstrate real-world applications for math, science and engineering, in a manner that is both rewarding and enjoyable.

In each episode, the focus is on an "invent-off" challenge, where teams complete a project to design a machine to perform a task under a time constraint. This allows the kid to express their creativity, critical thinking and mechanical abilities. For example, in episode No. 114, teams compete to design a bicycle with enhanced safety features. Each team is given the same materials to work with, and apply their own unique process and problem-solving abilities. Combining their talents, each is able to complete the challenge; the winning team is decided based on objective results. Programs such as "THINK BIG" are a valuable way to promote the sciences to today's youths.

Sincerely,

Brian A. Peña, MS
Adjunct Faculty
Santa Monica College



October 3, 2016

Subject: Antenna TV Children's TV Commercial Compliance Certification

Antenna TV certifies that during the Third Quarter of 2016, all programs on Antenna TV produced and broadcast for children ages 12 and under were formatted for not more than 10.5 minutes per hour of commercial time, the limit for weekend telecasts. The programs were:

> There were no programs designed for children twelve years old and younger scheduled for broadcast during this period.

There was no commercial time available for Antenna TV affiliates in or between these programs. Thus, the programs were formatted in compliance with the Children's Television Act of 1990 and applicable Federal Communications Commission rules. In addition, the programs as delivered are in compliance with Sections 73.670(a) through(d) of the Commission's Rules, including restrictions on host selling and displays (if any) of website addresses.

Sincerely,

Tom Boyd
Programming Manager

October 3, 2016

Subject: Antenna TV Children's E/I Programming

Below find show information pertaining to the E/I (Educational and Informational) qualifying programs airing in 3rd and 4th Quarter 2016 on Antenna TV, for your 3rd Quarter 2016 FCC 398. All times are Eastern.

Digital Core Programming (3rdQ 2016)

Animal Atlas

Origination:	Network	Total times aired at regularly scheduled time:	21
Age of Target:	13 years to 16 years	Number of Preemptions Rescheduled:	0
Length of Program:	30 minutes	Number of Preemptions:	0
Days/Times Program Regularly Scheduled:	Sat 9-9:30 and 11:30a-12p thru 8/20	Number of Preemptions for other than Breaking News:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Animal Atlas" is an entertaining and educational half-hour wildlife program shot exclusively in High Definition. The show introduces young viewers to every kind of animal imaginable, from the familiar to the astounding, including apes and giant lizards, sharks and tigers, and all other animals from the Americas, Africa, Asia, Australia, and everywhere in between. Animal Atlas promotes a better understanding of how various animal species live and what they need to survive. Each episode stands alone as an entertaining look into the world of animals - whether visiting a particular group of animals, such as big cats, or meeting the animals of an entire continent. Through Animal Atlas, viewers discover the variety of places that animals live, how they find food, and how they play. The show also looks at how family units operate, from a community of thousands of prairie dogs, to a pride of lions, to a school of fish. Certain episodes also explore animal features such as diet, locomotion, adaptation, and how animals take care of their young. Along the way, Animal Atlas educates young viewers about endangered species and provides information on how to support wildlife conservation. For a population of young viewers attuned to the importance of going "green," Animal Atlas is not only entertaining, it is culturally relevant and important. Animal Atlas offers an incredible and wildly entertaining adventure through the animal world. Learning about animals has never been more fun! Just spin the globe. Anywhere, everywhere animals live, you'll find Animal Atlas.

Does the Licensee identify the program by displaying throughout the program the symbol E/I?: Yes

The Coolest Places on Earth

Origination:	Network	Total times aired at regularly scheduled time:	18
Age of Target:	13 years to 16 years	Number of Preemptions Rescheduled:	0
Length of Program:	30 minutes	Number of Preemptions:	0
Days/Times Program Regularly Scheduled:	Sat 10-10:30a and 11:30a-12p starting 8/27	Number of Preemptions for other than Breaking News:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"The Coolest Places on Earth" is an educational and informative half-hour, E/I program that takes young viewers on a journey of discovery to the most astonishing places on the planet - cities, festivals, landmarks and jaw-dropping works of nature - exploring each location's history and culture. Each episode showcases three specific locations and delivers fast-paced, engaging information that's a perfect match for the 21st century learner. The series is packed with facts about history, geography, and culture. The goal of the series is to provide young viewers with the inspiration and information to better understand and appreciate the culturally and geographically diverse world around them.

Does the Licensee identify the program by displaying throughout the program the symbol E/I?: Yes

Family Style with Chef Jeff

Origination:	Network	Total times aired at regularly scheduled time:	8
Age of Target:	13 years to 16 years	Number of Preemptions Rescheduled:	0
Length of Program:	30 minutes	Number of Preemptions:	0
Days/Times Program Regularly Scheduled:	Sat 11-11:30a thru 8/20	Number of Preemptions for other than Breaking News:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Family Style with Chef Jeff" is an educational and informative half-hour, E/I series that teaches viewers how making the right choices in the kitchen can lead to life-changing experiences for the entire family. Each episode features interesting and valuable health and nutrition information as viewers also learn how to cook healthier versions of some of our favorite dishes. Family Style uses unique structural components to help young viewers retain and reflect on important and current health-related information. The series also features nutrition quizzes, health tips, and Chef Jeff's own positive reinforcement. The goal of the series is to help young viewers make well informed choices about their eating habits, nutrition, and health.

Does the Licensee identify the program by displaying throughout the program the symbol E/I?: Yes

Get Wild

Origination:	Network	Total times aired at regularly scheduled time:	5
Age of Target:	13 years to 16 years	Number of Preemptions Rescheduled:	0
Length of Program:	30 minutes	Number of Preemptions:	0
Days/Times Program Regularly Scheduled:	Sat 12-12:30p starting 8/27	Number of Preemptions for other than Breaking News:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Get Wild" is a weekly half-hour reality series featuring wild animals at the world famous San Diego Zoo. The series provides key information about each creature and teen viewers learn about their living habitats and unique behaviors. For example, in one episode viewers learn how experts studying adult orangutans learn the ways they raise their young. Another episode highlights the Panda bear and explains the animal's living patterns. "Get Wild" is a series intended to educate and inform viewers all about life in the animal kingdom.

Does the Licensee identify the program by displaying throughout the program the symbol E/I?: Yes

On the Spot

Origination:	Network	Total times aired at regularly scheduled time:	13
Age of Target:	13 years to 16 years	Number of Preemptions Rescheduled:	0
Length of Program:	30 minutes	Number of Preemptions:	0
Days/Times Program Regularly Scheduled:	Sat 12-12:30p thru 8/20 and 11-11:30a starting 8/27	Number of Preemptions for other than Breaking News:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"On The Spot" uses an entertaining on-the-street format to test how well young people know the information contained in the Common Core State Standards Initiative, an attempt to set a national curriculum to bridge the standards gap between states. Then, On the Spot explains the answer to each question. On the Spot challenges viewers to recall middle and high school knowledge about history, science, math, English, second languages, health, geography, art, music, and technology, and then teaches them the answer.

Does the Licensee identify the program by displaying throughout the program the symbol E/I?: Yes

Safari Tracks

Origination:	Network	Total times aired at regularly scheduled time:	21
Age of Target:	13 years to 16 years	Number of Preemptions Rescheduled:	0
Length of Program:	30 minutes	Number of Preemptions:	0
Days/Times Program Regularly Scheduled:	Sat 9:30-10a and 12:30-1p thru 8/20	Number of Preemptions for other than Breaking News:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Safari Tracks" is an educational and informative half-hour, E/I program that takes viewers on an African safari – focusing on African wildlife and the magnificent and mysterious world of these animals, all in their natural habitat. Follow Ushaka as we explore the African continent, from the brush lands of the African Savanna to the great Okavango delta... and beyond! The series strives to present a wide variety of information in a number of interactive and poignant sequences to make knowledge of the animal kingdom both simpler and easier to remember.

Does the Licensee identify the program by displaying throughout the program the symbol E/I?: Yes

State to State

Origination:	Network	Total times aired at regularly scheduled time:	13
Age of Target:	13 years to 16 years	Number of Preemptions Rescheduled:	0
Length of Program:	30 minutes	Number of Preemptions:	0
Days/Times Program Regularly Scheduled:	Sat 10:30-11a	Number of Preemptions for other than Breaking News:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"State to State" is an educational and informative half-hour, E/I program that takes you to every corner of America. Experience the hectic dazzle of the Big Apple, the rawhide spirit of Wyoming, the revival of St. Louis, the innovation of Silicon Valley, the music of New Orleans and Austin, the glitz of Vegas, and the history of Hollywood. From the highest peaks...to the biggest events...and the hidden gems. The series is packed with facts about history, geography, and culture. The goal of the series is to provide young viewers with the inspiration and information to better understand and appreciate the culturally and geographically diverse world around them.

Does the Licensee identify the program by displaying throughout the program the symbol E/I?: Yes

Wild World

Origination:	Network	Total times aired at regularly scheduled time:	5
Age of Target:	13 years to 16 years	Number of Preemptions Rescheduled:	0
Length of Program:	30 minutes	Number of Preemptions:	0
Days/Times Program Regularly Scheduled:	Sat 12:30-1p starting 8/27	Number of Preemptions for other than Breaking News:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Wild World" is a weekly half-hour reality series showcasing all types of wild animals at the world famous San Diego Zoo. The series focuses on the dedicated people who care for these unique critters. The program also informs teen viewers about the living environments and key facts about each wild animal. Episodes also include stories on zoo enrichment programs that help animals initiate natural behavior. Whether it be following the life cycles of rhinoceros or understanding the eating habits of grizzly bears, "Wild World" is a series intended to educate and inform viewers all about life in the animal kingdom.

Does the Licensee identify the program by displaying throughout the program the symbol E/I?: Yes

Other Matters (4thQ 2016 Programming)

Animal Atlas

Origination:	Network	Days/Times Program Regularly Scheduled:	Sat 9-9:30a
Age of Target:	13 years to 16 years	Total times aired at regularly scheduled time:	14
Length of Program:	30 minutes	Number of Preemptions:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Animal Atlas" is an entertaining and educational half-hour wildlife program shot exclusively in High Definition. The show introduces young viewers to every kind of animal imaginable, from the familiar to the astounding, including apes and giant lizards, sharks and tigers, and all other animals from the Americas, Africa, Asia, Australia, and everywhere in between. Animal Atlas promotes a better understanding of how various animal species live and what they need to survive. Each episode stands alone as an entertaining look into the world of animals- whether visiting a particular group of animals, such as big cats, or meeting the animals of an entire continent. Through Animal Atlas, viewers discover the variety of places that animals live, how they find food, and how they play. The show also looks at how family units operate, from a community of thousands of prairie dogs, to a pride of lions, to a school of fish. Certain episodes also explore animal features such as diet, locomotion, adaptation, and how animals take care of their young. Along the way, Animal Atlas educates young viewers about endangered species and provides information on how to support wildlife conservation. For a population of young viewers attuned to the importance of going "green," Animal Atlas is not only entertaining, it is culturally relevant and important. Animal Atlas offers an incredible and wildly entertaining adventure through the animal world. Learning about animals has never been more fun! Just spin the globe. Anywhere, everywhere animals live, you'll find Animal Atlas.

The Coolest Places on Earth

Origination:	Network	Days/Times Program Regularly Scheduled:	Sat 10-10:30a and 11:30a-12p
Age of Target:	13 years to 16 years		
Length of Program:	30 minutes	Total times aired at regularly scheduled time:	28
		Number of Preemptions:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"The Coolest Places on Earth" is an educational and informative half-hour, E/I program that takes young viewers on a journey of discovery to the most astonishing places on the planet - cities, festivals, landmarks and jaw-dropping works of nature - exploring each location's history and culture. Each episode showcases three specific locations and delivers fast-paced, engaging information that's a perfect match for the 21st century learner. The series is packed with facts about history, geography, and culture. The goal of the series is to provide young viewers with the inspiration and information to better understand and appreciate the culturally and geographically diverse world around them.

Get Wild

Origination:	Network	Days/Times Program Regularly Scheduled:	Sat 12-12:30p
Age of Target:	13 years to 16 years	Total times aired at regularly scheduled time:	14
Length of Program:	30 minutes	Number of Preemptions:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Get Wild" is a weekly half-hour reality series featuring wild animals at the world famous San Diego Zoo. The series provides key information about each creature and teen viewers learn about their living habitats and unique behaviors. For example, in one episode viewers learn how experts studying adult orangutans learn the ways they raise their young. Another episode highlights the Panda bear and explains the animal's living patterns. "Get Wild" is a series intended to educate and inform viewers all about life in the animal kingdom.

On the Spot

Origination:	Network	Days/Times Program Regularly Scheduled:	Sat 11-11:30a
Age of Target:	13 years to 16 years	Total times aired at regularly scheduled time:	14
Length of Program:	30 minutes	Number of Preemptions:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"On The Spot" uses an entertaining on-the-street format to test how well young people know the information contained in the Common Core State Standards Initiative, an attempt to set a national curriculum to bridge the standards gap between states. Then, On the Spot explains the answer to each question. On the Spot challenges viewers to recall middle and high school knowledge about history, science, math, English, second languages, health, geography, art, music, and technology, and then teaches them the answer.

Safari Tracks

Origination:	Network	Days/Times Program Regularly Scheduled:	Sat 9:30-10a
Age of Target:	13 years to 16 years	Total times aired at regularly scheduled time:	14
Length of Program:	30 minutes	Number of Preemptions:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Safari Tracks" is an educational and informative half-hour, E/I program that takes viewers on an African safari – focusing on African wildlife and the magnificent and mysterious world of these animals, all in their natural habitat. Follow Ushaka as we explore the African continent, from the brush lands of the African Savanna to the great Okavango delta... and beyond! The series strives to present a wide variety of information in a number of interactive and poignant sequences to make knowledge of the animal kingdom both simpler and easier to remember.

State to State

Origination:	Network	Days/Times Program Regularly Scheduled:	Sat 10:30-11a
Age of Target:	13 years to 16 years	Total times aired at regularly scheduled time:	14
Length of Program:	30 minutes	Number of Preemptions:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"State to State" is an educational and informative half-hour, E/I program that takes you to every corner of America. Experience the hectic dazzle of the Big Apple, the rawhide spirit of Wyoming, the revival of St. Louis, the innovation of Silicon Valley, the music of New Orleans and Austin, the glitz of Vegas, and the history of Hollywood. From the highest peaks...to the biggest events...and the hidden gems. The series is packed with facts about history, geography, and culture. The goal of the series is to provide young viewers with the inspiration and information to better understand and appreciate the culturally and geographically diverse world around them.

Wild World

Origination:	Network	Days/Times Program Regularly Scheduled:	Sat 12:30-1p
Age of Target:	13 years to 16 years	Total times aired at regularly scheduled time:	14
Length of Program:	30 minutes	Number of Preemptions:	0

Describe the educational and informational objective of the program and how it meets the definition of Core Programming:

"Wild World" is a weekly half-hour reality series showcasing all types of wild animals at the world famous San Diego Zoo. The series focuses on the dedicated people who care for these unique critters. The program also informs teen viewers about the living environments and key facts about each wild animal. Episodes also include stories on zoo enrichment programs that help animals initiate natural behavior. Whether it be following the life cycles of rhinoceros or understanding the eating habits of grizzly bears, "Wild World" is a series intended to educate and inform viewers all about life in the animal kingdom.

Sincerely,

Tom Boyd
Programming Manager

Hall Davidson
2428 Canyon Drive
Los Angeles, CA 90068

Series Review
8/2010

Program:	**Animal Atlas**
Episodes reviewed:	**"Family Matters"**
	"After the Dinosaurs"
Program length:	**30 minutes**

The Common Core State Standards Initiative, an attempt to set national curriculum that would bridge standards cross the states, was recently released by the **National Governors Association** and the **Council of Chief State Officers**. Both organizations would be happy to find **Animal Atlas** playing on a family's television set. Many of the goals for students in the targeted ages of 13-16 are underpinnings for this series, which delivers content as an entertaining, humorous, and fascinating look at the animal kingdom.

Family Matters, like all the reviewed **Animal Atlas** episodes, matches the pace and attention style of its target audience. More than 23 examples of cats are shown in little more than a minute of as the narrator runs through the characteristics of the animal family Felidae (cats). More than 21 different members of the dog family, Canidae, grab viewers in the same period of time. It is just enough time to get pulled into the topic. The episode goes on to do an excellent job of unveiling taxonomic animal families with a vibrant blend of animal faces, unusual physical characteristics, and diet. The episode gives the view much more than the familiar lions, tigers, pandas and giraffes. There are rock hyraxes, Maine wolves, okapi, spectacle bears, unusual foxes, red pandas, babyrousas, and thumb-sized bats. These are not just fascinating animal faces: there is content here. Contrasting the characteristics of dog and cat families is done with visual punch, appropriate terminology, and surprising revelations. For example, the link between form and function in the biological life of these animal families is done with humor, clever visuals, and a sense of whimsical awe. The narrator, Eric Schwartz, does a tremendous job maintaining a tone of total fun. But beneath it all is age-appropriate vocabulary building with terms like digitigrades, carniform carnivores, hominids, and many others engagingly explained in the simple way that only great images can do. Each revelation builds upon the last, and the viewer is pulled along with the strategy of a successful video game.

The **After the Dinosaurs** episode confirms the tone and pace of the series. It is built around the fascinating revelation that all animals today had 'family'ancestors that co-existed with dinosaurs—people, no, but mammals yes. Brought in as evidence are

Komodo dragons, emus, gavials, naked moles, tamarins, and many more fascinating faces. The use of split screen is both clever and convincing when the series makes its points. The nicely done matching of animal shots makes comparisons simple—and dramatic. The framing of the cassowary as a dinosaur descendent is wonderful piece of eye and mind candy---and a perfect example of how **Animal Atlas** is both entertaining and educational. It makes masterful use of the narration and the visual. Along the way, as the episode makes its points, we learn the number of bird species (10,000+), mammal species (4,000+), the largest North American mammal (bison), and the importance of going beyond looks in placing animals in the right family (e.g., pinnipeds). The series, for all its great visuals, makes it clear that what a viewer sees in the animal world must be compared and contrasted to find a deeper level of fascination and fun. Learning along the way is inescapable.

Finally, there are two common series elements that have been established as favorites. The interstitial quizzes build critical thinking, not simple recall. And they keep you there during breaks. Last in each episode are cleverly engineered "out takes" from the animal footage. They are fast and laugh-out-loud funny. **Animal Atlas** retains its remarkable ability to entertain without condescension.

Summary:

Target audience for tone, program content, and learning concepts:

- Middle and high school (ages 13-16)

General Category of Learning:

- Life Sciences
- Biological sciences
- Thinking skills

Content Standards Applicable in the Animal Atlas series:

Content standards were pulled from the Common Core State Standards Initiative for English Language Arts & Literacy in History/Social Studies, Science, and technical Subjects (http://www.corestandards.org/), published in June 2010 by the National Governors Association and the Council of Chief State School Officers.

Reading Standards for Literacy in Science and Technical Subjects 6–12 (condensed)

Key Ideas and Details> Determine the central ideas or conclusions; provide an accurate summary distinct from prior knowledge or opinions. Grades 6-8

Key Ideas and Details> Cite evidence to support analysis of science explanations> Determine the central ideas or conclusions; summarize complex concepts, processes, or information presented by paraphrasing them in simpler but still accurate terms.
Grades 9-10, 11-12

Craft and Structure> Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context. Grades 9-10

Craft and Structure > Analyze how the text structures information or ideas into categories or hierarchies, demonstrating understanding of the information or ideas. Grades 11-12

Integration of Knowledge and Ideas> Translate quantitative or technical information expressed in words into visual form Grades 9-10

Integration of Knowledge and Ideas> Distinguish among facts, reasoned judgment based on research findings, and speculation. Grades 6-8

Integration of Knowledge and Ideas> Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic. Grades 6-8

Hall Davidson served as Director of Education Services at PBS station KOCE-TV for 15 years, where he also was executive director of the media consortium Telecommunications of Orange County (TOC) serving over 400,000 students. Prior to that, he worked in educational media at PBS station KLCS-TV in Los Angeles. He was president of Video-Using Educators and is currently chairman of the school site council at a public elementary school in Los Angeles. He is director of the nation's oldest student media festival, the California Student Media & Multimedia Festival, and served on the board of directors of California's largest technology user group, Computer-Using Educators (CUE). He is an Emmy-nominated producer of educational programs. He was classroom teacher in the public school system and began teaching on television at night on an Emmy-winning program before leaving the classroom for a position providing staff development for teachers on media use in the classroom.

Hall Davidson
2428 Canyon Drive
Los Angeles, CA 90068

Hall Davidson
2428 Canyon Drive
Los Angeles, CA 90068

Series Review
August 2011

Program:	**Animal Atlas**
Episodes reviewed:	**"Cats and Dogs"**
	"Head Cases"
Program length:	**30 minutes**

Summary:
Now in its eighth season, Animal Atlas continues to make nature and the animal world entertaining and enlightening. The series uses humor, natural visuals, and an everyday attitude to reach the minds of its target group of 13-16-year olds. Without pandering, pontificating, or watering down material, it broadens the knowledge and perspective of young viewers through a friendly and fascinating presentation of information about the animal world. Those viewers that want deep information will find it here but those that just want to be entertained by well-assembled sequences of unusual animals and interesting facts will get that, too.

The eighth season sees the return of another engaging featurette: Animal Facts quizzes that segueway program breaks. A great piece of programming glue.

Episode: "Cats and Dogs" (803)

One of the strengths of the series is the ability to find new perspectives on the animal kingdom that makes information engaging. This episode ties people's enduring attachment to dogs and cats to an exploration of exotic dogs and cats that are far from domestication. An amazing sequence of faces shows viewers how different—and the same—members of these two mammal families can be. The jumping off point of comparing cats and dogs leads viewers down a fascinating path of history, adaptation, and animal behavior. One of the nice touches in the episode is that the narrator consistently refers to the families as Felis and Canis rather than simply 'cats' and 'dogs'. Viewers learn without being taught. Fascinating insights such as the Felis's true sixth sense are explained quickly and visually. The score is cinematic and perfect, supporting the visuals and keeping the tone elevated. Listen closely to the narrator and you'll hear terms like 'tapetum lucindum' (which assists cats' sight) and 'turbinate' (which assists dogs' scent) but they blended into a whimsical, conversational tone---a nice indicator that the audience is not being talked down to. This is important to hold the 13-16 year-old audience. The encyclopedic look at the faces and behaviors of Felis and Canis is interesting by itself. To build in animal facts such as hunting behaviors, sensory strengths, and prey makes for an enlightening, fast paced program.

Episode: "Head Cases" (807)

A consistent feature of **Animal Atlas** is its visuals—not just in the quality of the images but the choices and blending of segments. In **Head Cases**, alongside the expected visuals of faces, there are two remarkable shots. One shows an octopus working to open a shell, its arms and incredibly

flexible suction cups working remarkably like a human hand opening a jar. The second shows an elephant rubbing its eye with the tip of its truck, a gesture so human it forces any viewer to smile. The topics of the shots are great extensions from the central point of the episode and show the curiosity and imagination that drives the series. This episode is all about animal heads, as the title implies, and it uses the head as a launch point into exploring adaptation, differentiation, and behavior. The head is arguably the most visual engaging part of an animal with a wealth of wild colors and bizarre features, but the program goes deeper than a comparison of parts. It explores animals without heads (or brains) and reveals weapons, ornaments, and eating habits. As narrator Erik Schwartz lightly moves from fascinating fact to fascinating fact, we learn about basics like eye placements on predators versus those on prey animals, horns versus antlers, but also about dimorphism, ruminates, and ossicones (giraffe 'antlers'). It accomplishes this depth of concept by resembling a safari more than a school. By taking the viewer around the biomes of the world, it merges fascination with the animal world into a greater understanding of the relationship between the branches of the animal world.

Education Summary:

Target audience for tone, program content, and learning concepts:

- Middle and high school (ages 13-16)

General Category of Learning:

- Life Sciences
- Biological sciences
- Thinking skills

Content Standards Applicable in the Animal Atlas series:
Common Core and Single State

There are no science content standards yet in the Common Core Content Standards (to be adopted by all but four states). However, Animal Atlas addresses the standards below, which were pulled from the Common Core State Standards Initiative for English Language arts & Literacy in History/Social Studies, Science, and technical Subjects (http://www.corestandards.org/), published in June 2010 by the National Governors Association and the Council of Chief State School Officers. Following the Common Core correlations are correlations to a typical state science standard (in this case, Illinois).

Reading Standards for Literacy in Science and Technical Subjects 6–12 (condensed)

Key Ideas and Details> Determine the central ideas or conclusions; provide an accurate summary distinct from prior knowledge or opinions. Grades 6-8

Key Ideas and Details> Cite evidence to support analysis of science explanations> Determine the central ideas or conclusions; summarize complex concepts, processes, or information presented by paraphrasing them in simpler but still accurate terms. Grades 9-10, 11-12

Craft and Structure> Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context. Grades 9-10

Craft and Structure > Analyze how the text structures information or ideas into categories or hierarchies, demonstrating understanding of the information or ideas. Grades 11-12

Integration of Knowledge and Ideas> Translate quantitative or technical information expressed in words into visual form. Grades 9-10

Integration of Knowledge and Ideas> Distinguish among facts, reasoned judgment based on research findings, and speculation. Grades 6-8

Integration of Knowledge and Ideas> Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic. Grades 6-8

Science Standards (Secondary, Grades 6-12):

Science > Assessment Framework > 12.11.01 - Identify the major categories (taxa) of biological classification: kingdom, phylum, class, order, family, genus, and species.

Science > Assessment Framework > 12.11.02 - Understand the kingdoms used by taxonomists: a 5-kingdom system; monera, protista, fungi, plantae, and animalia and a 6-kingdom system; eubacteria, archaebacteria, protista, fungi, plantae, and animalia. Students should be able to identify organisms within the systems.

Science > Assessment Framework > 12.11.03 - Identify the following basic animal types by their common characteristics: sponges, cnidarians, flatworms and roundworms, mollusks, arthropods, echinoderms, invertebrate chordates, and vertebrates.

Science > Assessment Framework > 12.11.27 - Understand that variation within a species increases the likelihood that at least some members of a species will survive and reproduce under changed environmental conditions.

Science > Assessment Framework > 12.11.28 - Understand that reproductive or geographic isolation can lead to speciation.

Science > Assessment Framework > 12.11.29 - Understand that the millions of different species of plants, animals, and microorganisms that live on Earth today are related to each other by descent from common ancestors and that biological classifications are based on how organisms are related.

Science>Assessment Framework > 7 12 A - Know and apply concepts that explain how living things function, adapt and change.
Science>Assessment Framework > 12B - Know and apply concepts that describe how living things interact with each other and with their environment.

Hall Davidson served as Director of Education Services at PBS station KOCE-TV for 15 years, where he also was executive director of the media consortium Telecommunications of Orange County (TOC) serving over 400,000 students. Prior to that, he worked in educational media at PBS station KLCS-TV in Los Angeles. He was president of Video-Using Educators and is currently chairman of the school site council at a public elementary school in Los Angeles. He is director of the nation's oldest student media festival, the California Student Media & Multimedia Festival, and served on the board of directors of California's largest technology user group, Computer-Using Educators (CUE). He is an Emmy-nominated producer of educational programs. He was classroom teacher in the public school system and began teaching on television at night on an Emmy-winning program before leaving the classroom for a position providing staff development for teachers on media use in the classroom.

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Series Review
August 2012

Program:	**Animal Atlas**
Episodes reviewed:	**"To Tell The Truth (Ep. 910)"**
	"Living Dinosaurs (Ep. 912)"
Program length:	**30 minutes**

Summary:
Animal Atlas continues its long series life by using technology to consistently improve the essential visual component of the episodes. The high definition video of the arresting animals and animal elements is well used to engage viewers and lead them through a sequence of valued and meaningful insights. One of the series strengths continues to be that it does not just present a list of animal facts but links a wide variety of information into sequences that make knowledge of the animal kingdom both simpler and easier to remember. The interstitial quizzes have become not just summaries of previous information but a lead-in to the next organized sequence of information. The tone of credited narrator Eric Schwartz is perfect for the target group of 13-16 year-olds. It is non-professorial and faux flip—again, ideal for the target mindset of self-confident adolescence. Yet the vocabulary is rich. It presumes the understanding of the words like "behemoth" and "adaptation," but gives enough context to add that word to young viewers' vocabulary without getting pedantic. Great information in a rich visual context.

Episode: "To Tell The Truth" (910)

Animal Atlas is able to move nimbly between television idioms. Here, the tone masquerades as a game show (**"To Tell The Truth"**) allows the examination of a variety of contradictory, confounding, and misunderstood characteristic of animals. These include why whales aren't fish, frogs aren't reptiles, spiders aren't insects and why octopi are closer to snails than fish. Like the series in general, the episode goes beyond listing of facts when, in a sly answer to the interstitial quiz, it states that snakes may have warm blood. When it explains that snakes are not warm-blooded but simply can have warmed blood from exposure to the sun (like all cold-blooded animals), it sneaks deep into the difference between temperature and a temperature-maintenance biological mechanism which is the real differentiator for animals. Facts like the 18 hours a day koala sleeps are blended into a look at nearly everything called a "bear", whether they are truly related or not—and then explains why not. The reviewed episodes offer excellent information on analogous traits in animals without touching on convergence. Finally, the explanation of why the camels' hump is not for water storage is another great use of misconception to explain the marvels of animal adaptation.

Episode: "Living Dinosaurs" (912)

A strong characteristic of **Animal Atlas** is consistently relating exotic animals to more familiar animals and locations to make them more understandable. In **"Living Dinosaurs"**, the wingspan

of an Andean condor is measured ground-to-rim against a basketball goal—an ideal image for 13-16 year-olds to sense how large a ten-foot wingspan really is. Colorful images of dinosaurs are juxtaposed against those of barnyard chickens, making those exotic drawings of never-seen animals seem much less fanciful. The excellent exploration of birds of prey and their probable relationship to dinosaurs is compelling. Facts about these always-fascinating raptors include the eagle's 7,000 feathers, the reason for baldness in vultures, and the note that raptor talons can be stronger than the hand and arm of a man. These facts are all wrapped around the defining characteristics of birds of prey. The episode, like the series, has the very good sense of when to define a word and when to rely on context. "Paleontologist" and "apex predator" are defined by the narrator while "omnivorous," "herbivorous", and "omnivorous" and "predation" are left to be defined by the visual context which the program provides well. Balancing information and the viewer's own inferences is one of the enduring qualities of the program,

Education Summary:
Animal Atlas covers a range of educational enrichment when matched against the Common Core standards. The emergence of Common Core as the education blueprint for 45 states and 3 territories has made it easier to align content again standards taught in school. Common Core is an outgrowth of common state standards and is generally compatible with all states in the larger details. The match of **Animal Atlas** with Common Core builds on the standard met since last season.

Target audience (13-16 year-olds) for tone, program content, and learning concepts:

- Middle and high school (ages 13-16)

General Category of Learning:

- Life Sciences
- Biological sciences
- Thinking skills

Content Standards Applicable in the Animal Atlas series:
Common Core and Single State
There are no science content standards yet in the Common Core Content Standards (to be adopted by all but four states). However, Animal Atlas addresses the standards below, which were pulled from the Common Core State Standards Initiative for English Language arts & Literacy in History/Social Studies, Science, and technical Subjects (http://www.corestandards.org/), published in June 2010 by the National Governors Association and the Council of Chief State School Officers. Following the Common Core correlations are correlations to a typical state science standard (in this case, Illinois).

Reading Standards for Literacy in Science and Technical Subjects 6–12 (condensed)

Integration of Knowledge and Ideas> Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.

Key Ideas and Details> Determine the central ideas or conclusions; provide an accurate summary distinct from prior knowledge or opinions. Grades 6-8

Key Ideas and Details> Cite evidence to support analysis of science explanations> Determine the central ideas or conclusions; summarize complex concepts, processes, or information presented by paraphrasing them in simpler but still accurate terms. Grades 9-10, 11-12

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Science > Assessment Framework > 12.11.29 - Understand that the millions of different species of plants, animals, and microorganisms that live on Earth today are related to each other by descent from common ancestors and that biological classifications are based on how organisms are related.

Science>Assessment Framework > 7 12 A - Know and apply concepts that explain how living things function, adapt and change.
Science>Assessment Framework > 12B - Know and apply concepts that describe how living things interact with each other and with their environment.

Note: The reviewer believes it is not much of a stretch to include the Common Core Language

Standards for 6-12. The implications for understanding in context is powerful (and timely) with digital media.

Language Standards Grade 8 Students: >Determine or clarify the meaning of unknown and multiple-meaning words or phrases based on grade 8 reading and content, choosing flexibly from a range of strategies. a. Use context (e.g., the overall meaning of a sentence or paragraph; a word's position or function in a sentence) as a clue to the meaning of a word or phrase. b. Use common, grade-appropriate Greek or Latin affixes and roots as clues to the meaning of a word (e.g., precede, recede, secede). c. Consult general and specialized reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning or its part of speech. d. Verify the preliminary determination of the meaning of a word or phrase (e.g., by checking the inferred meaning in context or in a dictionary).

Reading Standards for informational text> Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue. Grades 6-12

Vocabulary Acquisition and Use > Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grades 9–10 reading and content, choosing flexibly from a range of strategies. a. Use context (e.g., the overall meaning of a sentence, paragraph, or text; a word's position or function in a sentence) as a clue to the meaning of a word or phrase. b. Identify and correctly use patterns of word changes that indicate different meanings or parts of speech (e.g., analyze, analysis, analytical; advocate, advocacy). c. Consult general and specialized reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation of a word or determine or clarify its precise meaning, its part of speech, or its etymology. d. Verify the preliminary determination of the meaning of a word or phrase

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Series Review
June, 2013

Program:	**The Coolest Places on Earth**
Episodes reviewed:	**Episode 101**
Program length:	**30 minutes**

Summary:

"The Coolest Places on Earth" is an exploration of cities (both modern and ancient), natural wonders, and cultural history, heavy with engaging content, fast-paced editing, and the accessible, conversational narration we have come to expect from Bellum Entertainment. The series' tone, information, and rich factual content reaches and serves the target 13-16-year-olds with a style that informs, supports, and encourages the kind of engaged thinking that have emerged from the Common Core State Standards. These standards, now adopted by 45 states and the District of Columbia recognize the importance of engaging, relevant information about the world young people live in. This series' episode also touches key points in the National Geography standards.

Each program features a minimum of three different locations, each separate geographically and historically. In the reviewed episode, which covered more than six locations, including contemporary New Zealand, historical Savannah, Georgia, and Sassi di Matera, Italy. The range of context in the episode's highlights is focused and diverse, allowing fascinating history and culture—pirates, ghosts, caves, and ice hotels in the reviewed episode--and striking contemporary visuals that put the information in context. For 13-16-year-olds, this matches neatly with the National Geography Standards (Geography for Life). The standards want to equip young people with knowledge, perspectives and information to engage in "Earth's diverse cultures and natural environments." This program does that nicely while supplying stories to hold the mind of the viewer. The "coolest places on earth" are defined by history and culture, not just by the striking visuals that accompany every segment. Beyond geography, it covers food, art, architecture, music, and cultural events like festivals.

Episode: 101: Pirates, Caves, Volcanoes, and Ice

This series combines an amazing amount of diverse history, geography, and wonders. The wonders are both natural, such as volcanoes, Aurora Borealis, and caves, and man-made, examples including one hotel made of ice, and another underwater, an igloo village, and bungee jumping. The fast pace and matching sound track will reach both the young target audience and adults and hold viewer attention by lacing the rich visual landscapes with information, including notes on slavery, piracy, and local vocabulary ("collywobbles"). The variety of geographic locations allows for an amazing outpouring of anecdotes and facts. Examples: When Jules Verne published "Twenty Thousand Leagues Under the Sea"; Oliver North in South America, the cost of a used 747 airplane; the dates of the American Revolutionary an Civil Wars; the oldest city in Georgia; the Golden Age of Piracy (1650-1720); and MIT's contemporary pirate certification

program. It is astonishing treat for the mind built with facts made entertaining by the wide range of physical locales.

This is not just a sightseeing program. The visit to the Savannah graveyard is given a historical context. The growth of piracy off North American waters is given economic perspective as well as intriguing details. The trip to New Zealand is not just delivered for the beauty of the islands, it's given the story of the jet boat system that makes for such exciting motor speed. Unfamiliar locations in Italy, Canada, and Finland are fascinating but shown within the meaningful context of temperature (the ice hotel), human habitation (the caves), and economy (a luxury accommodation in a grounded 747 in the Costa Rican jungle). The rapid pace of the episode segments makes the program very sticky—hard to pull away from.

This is exactly the desire of the National Geography Standards whose topical goals are "Asking and Answering Questions About the World" and "Knowing About the World: Geographic Content Knowledge". If the episodes of "The Coolest Places on Earth" make these standards seem fascinating, it's because geography is fascinating. It just needs a context to prove it, and that is what makes good television such an impressive tool in reaching older students. And any program tapping the richness of the world's geography, history and culture will also reach and engage adult audiences.

It rare to find a show as visually engaging and rich in content as "The Coolest Place on Earth." It touches interesting topics such as pirates and the supernatural without pandering and brings context to the planets most arresting geography. Bellum continues to earn its reputation as a producer of enriching, engaging content for 13-16-year olds.

Education Summary:

Target audience for tone, program content, and learning concepts:

- Middle and high school (ages 13-16)

General Category of Learning:

- Geography
- Common Core State Standards (grades 8-12)*
- History-Social Science (grades 8-12) *

**There is no Common Core State Standard specifically for history, social science, or geography, however this series addresses Common Core State Standards Initiative for English Language arts & Literacy in History/Social Studies for grades 9-12. The specific History/Social Science standards are drawn from the History-Social Science Content Standards for the state of California. They are representative of most general history social science standards.*

Content Standards Applicable in the Coolest Places on Earth series:
Common Core

Research, Evidence, and Point of View

1. Students frame questions that can be answered by historical study and research.
2. Students distinguish fact from opinion in historical narratives and stories.
4. Students assess the credibility of primary and secondary sources and draw sound conclusions from them.
5. Students detect the different historical points of view on historical events and determine

the context in which the historical statements were made (the questions asked, sources)

Historical Interpretation (grade 8, California State History-Social Science Content Standards)

1. Students explain the central issues and problems from the past, placing people and events in a matrix of time and place.

Historical Research, Evidence, and Point of View (grade 9-12, grade 8, California State History-Social Science Content Standards)

1. Students distinguish valid arguments from fallacious arguments in historical interpretations.

Historical Interpretation (grades 9-12)

1. Students show the connections, causal and otherwise, between particular historical events and larger social, economic, and political trends and developments.
3. Students interpret past events and issues within the context in which an event unfolded rather than solely in terms of present-day norms and values.

Hall Davidson served as Director of Education Services at PBS station KOCE-TV for 15 years, where he also was executive director of the media consortium Telecommunications of Orange County (TOC) serving over 400,000 students. Prior to that, he worked in educational media at PBS station KLCS-TV in Los Angeles. He was president of Video-Using Educators and also served as chairman of the school site council at a public elementary school in Los Angeles. He has served as director of the nation's oldest student media festival, the California Student Media & Multimedia Festival for twenty years, and served on the board of directors of California's largest technology user group, Computer-Using Educators (CUE). He is an Emmy-nominated producer of educational programs. He was classroom teacher in the public school system and began teaching on television at night on an Emmy-winning program before leaving the classroom for a position providing staff development for teachers on media use in the classroom.

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Series Review
September 2013

Program:	**Family Style with Chef Jeff**
Episodes reviewed:	**102 "Let's Go Fishing"**
Program length:	**30 minutes**

Summary:

Family Style with Chef Jeff does not lay out its learning objectives and it doesn't have to--it has them throughout the program. Bellum has taken an engaging cooking program for adults and given it several layers that work for delivering real information for teens in the 13-16-year-old audience.

The first layer is a series of informational graphics that appear frequently throughout the episode. When an alligator steals a catch alongside the Chef's small boat, we are reminded of the nature, weight, and length of the predatory reptile. When a local catch, a black drum fish, is brought in for the meal we are given its protein and fat percentages. Understandably, this information would be of equal interest to informed adult eaters.

The second layer is the meaningful inclusion of a target audience peer in the food preparation. From the grocery store to the stove, the teen is involved. The teen delivers information but also asked questions—frequently questions viewers of any age would have—for example, what exactly is "Swiss" chard? This is a great device to clarify information the host takes for granted.

The third education and information layer is the choice of the host, Chef Jeff. It is difficult to find an adult genuinely excited about his field who can speak to a 13-16 year-old audience without being condescending or pedantic. Chef Jeff plays the role of knowledgeable friend more than the role of teacher—less Mr. Wizard and more Dr. Who. The young person in the kitchen immediately becomes an honorary chef, and is so addressed by the host. He pours the olive oil, slices the beets, added the clam juice. While Chef Jeff does the heavy lifting in meal preparation, his instructions benefits both the co-host and the adults among us who could also a little help in preparing meals. Those valuable information graphics give the viewer exact information about temperature and time, spices, and the history that makes the meal more exciting. In the end, it is the teen that gives the ingredient summary.

Education and Information Summary In both tone and content, **Family Style with Chef Jeff** leaves target audience viewers with critical information about health and health literacy and models for food preparers, food preparation, and the food itself. It is an episode that proves a cooking program can be a genuine asset for education and information.

Episode 102 "Let's Go Fishing"
This episode begins with food acquisition in the wetlands of the Gulf Coast. Host Chef Jeff, in the company of the skiff captain, fishes for the lesser-known black drum fish. When an alligator steals the catch from the line, viewers get a quick, interesting lesson on predation. Moving from the boat to the supermarket, the young guest chef –representative of the target audience--learns about vegetables, spices, and rice for the meal. Once in the kitchen, a meal is prepared step-by-step and the young chef learns more about poaching, peeling, and boiling. Along the way, we

learn about the benefits of each food and other facts—such as beets use for treating acne and garlics healthy properties. The peer audience representative gives an informed and engaging summary of the foods used for the meal.

Education Summary:
Target audience for tone, program content, and learning concepts:

- Middle and high school (ages 13-16)

General Category of Learning:

- Health Literacy
- Health
- Life Sciences

Content Standards Applicable in the Family Style series:
Model State Standards

The majority of states are moving state educational standards into a uniform Common Core State Standards model. But because there is no Common Core standard for health, the recently revised "Health Framework for Schools Kindergarten Through Grade Twelve" will be used. It is from and published by the state department of education in California, where the program **Family Style with Chef Jeff** is produced. The following goals and expectations are judged shared by the program **Family Style with Chef Jeff**.

California Department of Education, "Health Framework for Schools Kindergarten Through Grade Twelve" 2009 (most recent update)

From the Forward:
"The major goal of this framework is .. help children and youths become health-literate individuals with a lifelong commitment to healthy living. Because every aspect of health is tangibly connected to life and students' experiences, effective health education provides abundant opportunities for engaging students in purposeful learning. Health-literate students will make a commitment to their own health and the health of others...[adults should] involve students in collaborative, meaningful learning experiences. Health literacy [is] the capacity of an individual to obtain, interpret, and understand basic health information and services and the competence to use such information and services in ways that are health-enhancing."

Health and Health Literacy Standards Supported by the Program

From Content Area Preface
"Good health is not simply a matter of luck or accident; it involves taking responsibility and making deliberate choices."
"To be ready to learn and to achieve their fullest potential, children need to have ..an adequate supply of healthy foods and the knowledge and skills required to make wise food choices. "
"We need to teach youngsters that they must take charge of their health—all of their lives.... And we must do more than teach; we must set an example... " (quoting—C. Everett Koop, M.D.)

From Resources for Health Education, Standards met by Family Style with Chef Jeff
"..augment classroom activities and assist teachers with the integration of nutrition- or food-related activities [including]:

- *Providing assistance with mathematical calculations of the nutritional values of foods*
- *Developing consumer education skills, such as reading labels*
- *Increasing respect for other cultures and the foods of those cultures"*

High School Subject area (selections)
Grade-level concepts and content and expectations

- *Making healthy food choices in a variety of settings*
- *Establishing and maintaining healthy eating practices*
- *Analyzing how food choices are influenced, including how a busy schedule influences food choices*
- *Students will understand and demonstrate how to play a positive, active role in promoting the health of their families.*
- *As high school students become more skilled consumers, they need to be able to understand the factors that influence the cost, quality, availability, and variety of food in the marketplace locally…To be skilled consumers, students also need … nutrition information.*
- *Adapting recipes to make them more healthy by lowering the amount of fat, salt, or sugar and increasing the amount of fiber*

From Middle School Expectations (age 13)

- *Use valid nutrition information to make healthy food choices.*
- *Develop basic food-preparation skills, including sanitary food preparation and storage.*
- *Use critical-thinking skills to distinguish facts from fallacies concerning the nutritional value of foods.*
- *Adapt recipes to make them more healthy by lowering fat, salt, or sugar and increasing fiber.*

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Dear Station,

Pursuant to the Children's Television Act of 1990, "GET WILD AT THE SAN DIEGO ZOO" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "GET WILD AT THE SAN DIEGO ZOO" serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of understanding animals and their habitats. The series is based at the world famous San Diego Zoo, and features notable animal experts.

"GET WILD AT THE SAN DIEGO ZOO" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "GET WILD AT THE SAN DIEGO ZOO" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen

Alex Paen
President, Telco Productions, Inc.

2730 Wilshire Blvd., Suite 200, Santa Monica, CA 90403-4747 USA
Telephone 310.828.4003 Fax 310.828.3340
E-mail info@telcoproductions.com

SANTA MONICA COLLEGE

Alex Paen
Telco Productions, Inc.
2730 Wilshire Blvd., Suite 200
Santa Monica, CA 90403

Dear Alex,

I have reviewed several episodes of the program "GET WILD" and I am confident that it meets the educational and informational needs of children 13 to 16 years of age with its program content. The series explores all types of wild animals, while providing important information by experts from the San Diego Zoo. For example, in some episodes viewers are introduced to various "animal enrichment" programs where zoo staff seeks to duplicate a particular animal's habits that are prevalent and unique to that animal in the wild. Series also introduces teenage viewers to the living habits of animals from jaguars to orangutans to pandas as well as rare species such as Amur Leopards and Indian Gaurs. In one episode, viewers learn about the care of a hippo calf, while another episode explores the challenges of caring for cheetah chimps.

"GET WILD" is educational, informative and entertaining, while providing unique up-close televised visits of wild and exotic creatures and teaching viewers all about life in the animal kingdom.

Sincerely,

Brian A. Peña, MS
Adjunct Faculty
Santa Monica College

Archdiocese of Los Angeles
Office of the Chancellor
Office: (213)637-7400
Fax: (213)637-0400
3424 Wilshire Boulevard
Los Angeles California 90010-2241

August 9, 2016

Alex Paen
Telco Productions, Inc.
2730 Wilshire Blvd., Suite 200
Santa Monica, CA 90403

Dear Alex,

After reviewing episodes of the program "GET WILD at the San Diego Zoo," and I am confident that it meets the educational and informational needs of children 13 to 16 years of age with its program content. The series examines various animals at the zoo and how they are looked after by staff. The shows open up the world of rare and exotic species to teen viewers and explains how each animal greatly differs from other critters when to comes to living habits and care. For example, one episode explores the differences between striped hyenas and lemurs. Another episode focuses on endangered species and what is being done to insure the survival of each creature.

Episodes also offer explanations of the behavior of each animal while providing information on the animal's daily nutrition and other living habits.

I believe "GET WILD at the San Diego Zoo" is educational and informative and gives teen viewers insights into the world of wild and exotic creatures.

Sincerely,

Sister Mary Elizabeth Galt, B.V.M.

Sister Mary Elizabeth Galt, B.V.M., Chancellor
Board Member, Archdiocese of Los Angeles
Education & Welfare Corporation

MEG:gs

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Series Review
August 2012

Program:	**On The Spot**
Episodes reviewed:	**"Health, Science, History (Ep. 219)"**
	"Animals, History, People" (Ep. 220)"
Program length:	**30 minutes**

Summary:
The opening sequence from **On The Spot** boldly lays claim to a wide range of education and information topics: Transportation, Geography, Technology, Culture, Environment, Government, Money, Sports, Food, Art, History, Music, Science, Math, Health, and Language. Then, in the thirty-minute program that follows, it delivers the goods. It succeeds in making a program that is essentially information-based engaging to the targeted 13-18 year-old audience. It succeeds through the strategy of an extremely fast-paced presentation linked with eye-catching visuals, a pounding soundtrack, and an amazing array of information glued together by a genial, self-amused narration. It is a perfect match for the 21st Century learner. The information comes at the viewer like potato chips—you can't seem to take just one and it is impossible to put down the remote.

The visuals cuts are a fast, visually arresting 2-3 seconds long yet the narrative is not rushed. It pulls the viewer in with information reasonably covered at the secondary school level (and therefore accessible to the general public), but is a long way from the didactic presentation in a textbook. Try pulling away from questions like these: Can smiling cause happiness? Can someone detect a smile during a cellphone call? What is the loudest animal? What are the happiest professions—and the unhappiest? Or turning away from facts like these: There are ten million desert locusts in a swarm, 19 billion chickens on earth, and a running cheetah is faster than a racing sailfish in the sea.

Despite the enormous amount of information, the tone is never salacious or sarcastic but maintains a sense of basic wry astonishment at the workings of the world. For the target audience, this is important. Too often shows appealing for attention from this group outside school rely on snarky attitudes or comfortable stereotyping. **On The Spot** keeps a good distance from either of those approaches.

Although the series as a whole will cover the listed topics of Transportation, Geography, Technology, Culture, Environment, Government, Money, Sports, Food, Art, History, Music, Science, Math, Health, and Language, each episode concentrates the information and education into three main subgroups. For example, reviewed episode 219 features **"Health, Science, History"** while reviewed episode 220 features **"Animals, History, People"**

Episode: "Health, Science, History" (#219)

Facts about health issues relating to happiness are bundled together in a fast-moving overview from smiling to the happiest professions to the happiest countries. The details are important here. Rather than just displaying the facts about which countries are the happiest, the episode also covers the criterion that determines the selection: safety, freedom, education, and health. This is important for the (healthy) skepticism of the 13-18 year-old viewer, who statistically will most

to the UK, Scandinavia, and other parts of the world are important for perspective and this episode does that.

Episode: "Animals, History, People" (#220)

Here again interesting pieces of information are strung like pearls along strings of themes that are good television, while offering information and education to young viewers. A discussion of plants vs. animals leads past all the species in between in a fast and fun way. "You're not going to like this" is the unwritten theme of the episode, often stated by the narrator as it is revealed that 40% of mammal species are rats (rodents, really), and 25% are bats. Wonderfully scary stuff. Comparing polar bears and Siberian tigers is just fun, and the notion of 'sweating' gets lots of play in discussing who and what does it and why. Typically, the episode offers information about topics that it is hard to turn away from. And quickly. Even the clouds in the videos move fast. If you don't like primates, just wait a few seconds and you'll be hearing about the large numbers of animals that we eat (19 billion chickens, 1.4 billion cows, 1 billion pigs). Wait another minute and you'll hear that if you drive straight up for just 70 miles you're in outer space. 50 miles and you're an astronaut, says NASA. Another nice touch is that the visual of the 'way back' machine ticks off years in BCE and CE, instead of BC and AD. Viewers 13-18 will know those terms (Before the Common Era and the Common Era), which are now in textbooks.

Education Summary:
Information is the beginning of knowledge creation and the episodes in On The Spot manage to deliver a great deal of information very quickly in an interesting way. Mainly, the show is entertaining and it is not hard to imagine that this program and the popcorn nature of its fast moving content would be equally appealing to adults. The mood, tone, and open quality of the program makes viewing it as much fun as watching a good game show. But it moves faster than a game show—perfect for young viewers in the mid-21st Century.

Target audience (13-18 year-olds) for tone, program content, and learning concepts:

- Middle and high school (ages 13-18)

General Category of Learning:

- Science
- Mathematics
- Economics
- Physical Education
- Music
- Language
- Health

Content Standards Applicable for On The Spot

Common Core
The Common Core Content Standards (adopted by all but four states) at the current date are outlined for English Language arts & Literacy in History/Social Studies, Science, and technical Subjects (http://www.corestandards.org/, published in June 2010 by the National Governors Association and the Council of Chief State School Officers.) They address core learning standards but not yet all specific subject areas. A comparison of the Common Core elements "Key Points" below make the educational and information value of **On The Spot** clear.

Key Points in English Language Arts

- *Speaking and Listening: The standards require that students gain, evaluate, and present increasingly complex information, ideas, and evidence through listening and speaking as well as through media.*

of conversations, direct instruction, and reading. The standards will help students determine word meanings, appreciate the nuances of words, and steadily expand their repertoire of words and phrases.

Key Points in Mathematics

- *The standards stress not only procedural skill but also conceptual understanding.*
- *The high school standards call on students to practice applying mathematical ways of thinking to real world issues and challenges; they prepare students to think and reason mathematically.*
- *The high school standards emphasize mathematical modeling, the use of mathematics and statistics to analyze empirical situations, understand them better... Quantities and their relationships in physical, economic, public policy, social and everyday situations can be modeled using mathematical and statistical methods*

Research and media skills blended into the Standards as a whole

- *To be ready for college, workforce training, and life in a technological society, students need the ability to gather, comprehend, evaluate, synthesize, and report on information and ideas, ...and to analyze and create a high volume and extensive range of print and nonprint texts in media forms old and new. The need to conduct research and to produce and consume media is embedded into every aspect of today's curriculum.*

Reading Standards for Information Text 6-12

- *Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.*

Speaking and Listening Standards for 6-12

- *Interpret information presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how it contributes to a topic, text, or issue under study.*

Reading Standards for Literacy in History/Social Studies 6-12

- *Integrate and evaluate multiple sources of information presented in diverse formats and media*
- *(e.g., visually, quantitatively, as well as in words) in order to address a question or solve a problem. Integrate information from diverse sources, both primary and secondary, into a coherent understanding of an idea or event, noting discrepancies among sources.*

Hall Davidson served as Director of Education Services at PBS station KOCE-TV for 15 years, where he also was executive director of the media consortium Telecommunications of Orange County (TOC) serving over 400,000 students. Prior to that, he worked in educational media at PBS station KLCS-TV in Los Angeles. He was president of Video-Using Educators and is currently chairman of the school site council at a public elementary school in Los Angeles. He is director of the nation's oldest student media festival, the California Student Media & Multimedia Festival, and served on the board of directors of California's largest technology user group, Computer-Using Educators (CUE). He is an Emmy-nominated producer of educational programs. He was classroom teacher in the public school system and began teaching on television at night on an Emmy-winning program before leaving the classroom for a position providing staff development for teachers on media use in the classroom.

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Program: Safari Tracks
Episode reviewed: "The Need for Speed"
Program length: 22:30 minutes (approximately)

Safari Tracks is a program with content grounded in the natural world and delivered using an approach that, while entertaining to a young audience, highlights the informational and educational aspects of the animal kingdom in the given environment of Africa. There is no question that an audience of young people would gain worthwhile information and concepts delivered with an enlightened attitude toward nature and the environment. Viewers receive topic points that help build the ethical decision-making necessary to becoming a citizen of the planet.

The data delivered in the episode reviewed, "The Need for Speed," includes the groundspeeds attained by more than ten species and other information about predation and survival patterns in the wild. The information about specific species is not delivered in isolation but in the context of the ecosystem of the habitat. This is recognized as an important frame for information by virtually all recommended educational strategies.

The program consists of an engaging host, appropriately African, who offers an easygoing, natural look at animals that are exotic outside of the African continent. From the start, the host references terms in his native African language, a valuable acknowledgement of the multicultural world in which today's children must live.

The language level for the narration is at a sheltered middle school level. It presumes a vocabulary that is not beyond advanced upper elementary students. The program's references to and explanation of the predator-prey relationship, the endangerment of natural habitat and species by human activity, and the relatively low survival rate of some animals, are an educational frame for the subject matter of individual animal characteristics. There is no inappropriate personification of the animals—too often a temptation when presenting material for young people—which keeps the material appealing to middle school and above. There is no comedic exploitation of animals in the footage. Neither is there oversimplification of any key concepts. The references, tone, and presentation all hold true to a line that serves its categorization as educational. The series lends itself to respect for the natural world and initiates discussion of issues relating to that world and encourages drawing of conclusions based upon information presented,

The program basic content consists of animal footage taken in the wild, a narration, and a score that features engaging regional musical. Musical accents are from more traditional genres but are effective in holding attention to the fast moving video clips. The program is edited with attention to the visual demands of today's young media viewers. There are fast paced segments, attention-supplementing music tracks, and arresting video content, such as a man in an open vehicle fending off an angry ostrich charging at 45 miles per hour.

The program includes a final segment in a sardonic tone that serves as reinforcement and review of the material covered in the program.

Example:
Question: When you see a giraffe, should you grab its leg?
Answer: No, as we told you, a giraffe with a single kick can even kill a lion.

These questions and review are a commendable component of the program design. It would be particularly effective for parents watching the program with their children. It lends itself to interaction between the parents, the program content, and the student-aged viewer. Programs that reinforce meaningful television viewing among family members are commendable for broadcast.

Summary:
Target audience for tone, program content, and learning concepts:

- Middle and high school (ages 13-16)
- Not inappropriate for upper elementary grades
- Content, including predation discussions, might be too strong for primary aged students, although it would not require particular screening or advisories. The footage does not require traditional flagging.

General Category of Learning:

- Life Science

Underlying Science Content Standards addressed:

- Functions in ecosystems
- Environment and adaptive characteristics
- Data and comparison of characteristics across species
- Adaptation of structure and function for survival

Secondary-specific science content standards addressed *(examples drawn from the California State Science Content Standards, Biology/Life Sciences - Grades Nine Through Twelve)*

- Ecology: Stability in an ecosystem is a balance between competing effects. Students know biodiversity is the sum total of different kinds of organisms and is affected by alterations of habitats.
- Students know how fluctuations in population size in an ecosystem are determined by the relative rates of birth, immigration, emigration, and death.
- Students know how to distinguish between the accommodation of an individual organism to its environment and the gradual adaptation of a lineage of organisms through genetic change.
- Students know why natural selection acts on the phenotype (physical organism) rather than the genotype (genetic code) of an organism.
- Students know variation within a species increases the likelihood that at least some members of a species will survive under changed environmental conditions.
- Students know how natural selection determines the differential survival of groups of organisms.
- Students know a great diversity of species increases the chance that at least some organisms survive major changes in the environment.
- Students know reproductive or geographic isolation affects speciation.

Hall Davidson is Director of Education Services at PBS station KOCE-TV, where he serves as executive director of the media consortium Telecommunications of Orange County (TOC). He is director of the nation's oldest student media festival, the California Student Media & Multimedia Festival, and on the board of directors of California's largest technology user group, Computer-Using Educators (CUE). He is an Emmy-nominated producer of educational programs.

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Series Review
August 2014

Program:	**State To State**
Episodes reviewed:	**"Keys, St. Louis, Colorado, and Caves"**
Program length:	**30 minutes**

Summary

Americans are famously terrible about geography. The last Roper Geographic Literacy Poll (2006) showed only half of young Americans could identity New York State on a map. Less than that could find Ohio. Perhaps part of the problem was that there was no television program that entertained while educating about the nation's states. There is now. **State to State** from Bellum Entertainment blends maps, history, and facts with eye-catching visuals and clever narratives that move quickly through some of the very interesting geography in our diverse country. The **Keys, St. Louis, Colorado, and Caves** episode covers details of the Florida Keys, St. Louis, MO, the Colorado River and Mammoth Cave in a single half hour program. It brings in facts and information when they are interesting --for example, the 'Kentucky cave wars' during the birth of Mammoth tourism. The contrast between different parts of America is fascinating. The target audience of 13-16 year-olds might not be good at geography polls, but no one is immune to the lure of the Florida Keys shown by **State to State**. And when the camera zooms in from the planet view, through the US view, to the blue-green ocean surrounding the Keys, viewers get information that the Roper pollsters would appreciate

Episode "Keys, St. Louis, Colorado, and Caves"

This episode highlights the different and little-known islands of the Florida Keys. It offers a tourist view of the Keys that combines elements of travel, food, and documentary programs. Aerial shots of the Seven Mile Bridge, onboard images of sport fishing, and activity-rich footage from the beaches make a nice contrast with the urban family segment on St. Louis, MO, that follows. Moving from the crocodiles and Hemingway of Key West to parks, art, and arch of the great midwestern city is what keeps **State to State** engaging for its target audience. Maps and details of the Colorado River, in the third segment, link the beautiful canyon shots with the 40 million people dependent on its water. The raging rapids, canyon walls, and lagoons of the river are shown in context with the states in the US and Mexico it touches. It is a nice connection and a good example of how information can be a hook. The Mammoth Caves, which are visually compelling, are more interesting when presented with the history and context of its beginning as a tourist destination. The black and white footage from both real and faux archival footage make the colorful garb of the spelunkers even more fun. The interstitial quizzes for which Bellum is known work well to keep the viewer from the remote control. Knowing which "Louis" St. Louis is named for is something worth stashing in the memory banks for the next time a sports fan is watching one of the St. Louis teams.

Education Summary:

Target audience for tone, program content, and learning concepts:

- Middle and high school (ages 13-16)

General Category of Learning:

- Geography
- History
- Social Sciences

Content Standards Applicable in the State to State series:
Common Core and Single State

There are no geography or social science content standards yet in the Common Core Content Standards. However, states have set educational standards for History and Social Science. Geography, as a separate subject matter is covered before the target audience age, but continues to influence decision making throughout adulthood—another reason why programs such as **State to State** are important.

The following are applicable educational standards from the state of California addressed by **State to State**.

From the Introduction

Mastery of these standards will ensure that students not only know the facts, but also understand common and complex themes throughout history, making connections among their own lives, the lives of the people who came before them, and the lives of those to come.

Historical and Social Sciences Analysis Skills (9-12):

In addition to the standards for grades nine through twelve, students demonstrate the following intellectual, reasoning, reflection, and research skills..

Chronological and Spatial Thinking

--Students compare the present with the past, evaluating the consequences of past events and decisions and determining the lessons that were learned.

--Students use a variety of maps and documents to interpret human movement, including major patterns of domestic and international migration, changing environmental preferences and settlement patterns,

--Students relate current events to the physical and human characteristics of places and regions.

Historical Interpretation

--Students interpret past events and issues within the context in which an event unfolded rather than solely in terms of present-day norms and values.

--Students understand the meaning, implication, and impact of historical events and recognize that events could have taken other directions.

--Students analyze human modifications of landscapes and examine the resulting environmental policy issues.

Hall Davidson served as Director of Education Services at PBS station KOCE-TV for 15 years, where he also was executive director of the media consortium Telecommunications of Orange County (TOC) serving over 400,000 students. Prior to that, he worked in educational media at PBS station KLCS-TV in Los Angeles. He was president of Video-Using Educators and is currently chairman of the school site council at a public elementary school in Los Angeles. He is director of the nation's oldest student media festival, the California Student Media & Multimedia

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Dear Station,

Pursuant to the Children's Television Act of 1990, "WILD WORLD AT THE SAN DIEGO ZOO" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "WILD WORLD AT THE SAN DIEGO ZOO" serves the educational and informational needs of children 13 to 16 years of age with its program content. The series provides an in-depth look at the behavior and life cycles of various rare and exotic animals.

"WILD WORLD AT THE SAN DIEGO ZOO" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "WILD WORLD AT THE SAN DIEGO ZOO" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

To facilitate your FCC filings, episode synopses are available on line at our website, www.telcoproductions.com. Also available on-line are testimonials from our educational advisory review board, consisting of educators and other professionals who have reviewed the series (see the following letters for details).

If you have any other questions, please don't hesitate to contact us.

Sincerely,

Alex Paen

Alex Paen
President, Telco Productions, Inc.

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August 9, 2016

Alex Paen
Telco Productions, Inc.
2730 Wilshire Blvd., Suite 200
Santa Monica, CA 90403

Dear Alex,

I have reviewed episodes of the program "WILD WORLD at the San Diego Zoo" and I am confident that it meets the educational and informational needs of children 13 to 16 years of age with its program content. The series explores the lives of various zoo animals and examines their care and living environment while providing important information about how they survive in the world.

In each episode, a detailed explanation of an animal species is provided as well as information on the animal's daily nutrition and other living habits. For example, one episode focuses on medical care and check-ups of several animals and what the differences are for each critter.

Another episode explores the unique characteristics of Chameleons, while another episode examines the behavioral aspects of several unique species such as Crowned Cranes, Duny Beetles and Leafcutter Ants, giving specific details of the life cycles of each species.

It is my opinion that "WILD WORLD at the San Diego Zoo" is educational and informative and conforms to the FCC Kids programming regulations.

Sincerely,

Sister Mary Elizabeth Galt, B.V.M.

Sister Mary Elizabeth Galt, B.V.M., Chancellor
Board Member, Archdiocese of Los Angeles
Education & Welfare Corporation

MEG:gs

SANTA MONICA COLLEGE

Alex Paen
Telco Productions, Inc.
2730 Wilshire Blvd., Suite 200
Santa Monica, CA 90403

Dear Alex,

I have reviewed several episodes of the program "WILD WORLD" and I am confident that it meets the educational and informational needs of children 13 to 16 years of age with its program content. The series opens up the world of wild animals to teenage viewers with up-close visits of these critters, while providing important information by experts from the San Diego Zoo. Episodes include looking at the life of different exotic animals, such as Armadillos, Klipspringers and Takins. Teenage viewers learn about the living habits of these various critters and why some may be on their way to extinction.

Viewers also examine the unique care the zoo staff provides for these various wild animals, while learning about the daily work routines of keepers looking after such a wide variety of critters. Each episode is a separate collection of wild animals, exploring interesting and vital facts of such species as Blue-tongued Skinks, Tawny Frogmouths and Kavai Forest birds.

"WILD WORLD" is educational, informative and entertaining, while providing unique up-close televised visits of wild and exotic creatures and teaching viewers all about life in the animal kingdom.

Sincerely,

Brian A. Peña, MS
Adjunct Faculty
Santa Monica College