

WZTV
CHILDREN'S PROGRAMMING
THIRD QUARTER 2017

- I. FULL-LENGTH CHILDREN'S (CORE PROGRAMMING)
EDUCATIONAL AND INFORMATIONAL PROGRAMMING
- PROGRAM TITLES
 - PROGRAM LENGTHS
 - PROGRAM DESCRIPTIONS
- II. COMMERCIAL LIMITATIONS (UNDER SEPARATE COVER)

CHILDREN'S CORE PROGRAMMING

WZTV

THIRD QUARTER 2017

XPLORATION EARTH 2050 - TARGETS AGES 13-16 YEARS **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.

XPLORATION NATURE KNOWS BEST – TARGETS AGES 13-16 **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.

XPLORATION OUTER SPACE – TARGETS AGES 13-16 **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.

XPLORATION AWESOME PLANET – TARGETS AGES 13-16 **Aired: SATURDAYS @ 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.

TEEN KIDS NEWS – TARGETS AGES 13-16 **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: 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 learning, cognitive, listening and thinking skills, and serves as an enhancement to the viewer's academic and educational experience.

XPLORATION WEIRD BUT TRUE - TARGETS AGES 13-16 YEARS**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.

XPLORATION DIY SCI - TARGETS AGES 13-16 YEARS**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 fun and unexpected laboratory. In each episode, Spangler will demonstrate science experiments and explain how they connect to real-world innovations.



MEMORANDUM

TO: PROGRAM DIRECTORS

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

DATE: JUNE, 2017

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's 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



MEMORANDUM

TO: PROGRAM DIRECTORS

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

DATE: JUNE, 2017

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.

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Sincerely,

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TO: PROGRAM DIRECTORS

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

DATE: JUNE, 2017

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's 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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MEMORANDUM

TO: PROGRAM DIRECTORS

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

DATE: JUNE, 2017

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's 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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TO: PROGRAM DIRECTORS

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

DATE: JUNE, 2017

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’s 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.

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MEMORANDUM

TO: PROGRAM DIRECTORS

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

DATE: JUNE, 2017

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's 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.

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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***.



STEVE ROTFELD PRODUCTIONS

“XPLORATION WEIRD BUT TRUE”

SEASON I - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of June 26, 2017 (Episode #143)

Breeds of dogs look SO totally different, but they're all the same species. Wait... what the heck is the difference between a breed and a species? And, how on earth did we get a Chihuahua... from a wolf?! In this episode we'll break down how it all happened. We'll explain how humans domesticated and developed dog breeds. Then, Charlie and Kirby meet some literal "super dogs" to better understand just how capable canines have become at being man's best friend.

Week of July 3, 2017 (Episode #144)

Humans have 5 senses. Sharks have 7. Yup. There are more than just the ones we humans have! Sharks can feel 2 unique types of feelings that humans can't. So, to get to the bottom of this new and bizarre revelation (and oh to conquer Charlie's irrational fear of sharks) our hosts have got to dive into this a little more. In this episode Charlie and Kirby learn everything there is to know about sharks and super animal senses. The episode ends with an up close and personal encounter with these incredible organisms... with some cage-less shark diving!

Week of July 10, 2017 (Episode #145)

Last summer Charlie and Kirby found an antler in their backyard. Now they're itching to learn more about animal headgear. What is an antler? How is it different from a horn? What are they used for? Where do beaks fit into this whole thing? In this episode, they're going to find all of this out while on a journey to observe the most epic head that exists in the animal world.

Week of July 17, 2017 (Episode #146)

Charlie and Kirby are heading back to school... but this isn't your typical classroom (let's just say this one is a little more... rustic). In this episode, it's all about learning the ropes to survival 101. Why do we need food and water? How do the elements impact our ability to regulate our body temperatures? What are the basic human needs... and (while modern conveniences are great and all), how does a person meet those needs out in the wild?! Don't miss a minute as Charlie and Kirby head to Alaska to learn the basics to survival along with some WEIRD BUT TRUE tricks to tackling life in the great outdoors!

“XPLORATION WEIRD BUT TRUE”

SEASON I - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of July 24, 2017 (Episode #147)

Animals can be found all over the world... but this week, Charlie and Kirby are interested in meeting the ones who have adapted to life in freezing cold weather! So, they're off to the USA's most northern state... Alaska to meet some of the locals! Temperatures in Alaska can get pretty chilly in the winter, but the local wildlife has found some amazing ways to keep warm. From a pack of mush dogs who live on a glacier to a baby musk ox, Charlie and Kirby will meet animals big and small to see how they've adapted to handle the elements up north!

Week of July 31, 2017 (Episode #148)

Spiders aren't insects? Ladybugs aren't bugs? And mayflies aren't flies? What the heck is going on here?! And why is this so confusing? In this episode, Charlie and Kirby are determined to get it all figured out. They'll take a trip to a museum that lets them get up close and personal with some spindly, super-sized specimens! Don't miss a minute as Charlie and Kirby untangle this crazy web and learn all about the weird world of arthropods.

Week of August 7, 2017 (Episode #149)

This week Charlie and Kirby are out to uncover the fascinating world of... Animal Invaders! What does 'invasive species' even mean? Let's say these animals are the new neighbor's no one wants, but who definitely aren't going anywhere on their own. To better get a sense of why this topic is so important, Charlie and Kirby are heading to the Everglades to catch some pythons with a little help from some local scientists. They discover how species invade unnatural habitats and why it's important to monitor them and protect the world's ecosystems.

Week of August 14, 2017 (Episode #150)

We've got 5 senses. Count 'em: Sight, Smell, Taste, Touch and Sound. Five. We'll cover the basics on what the heck senses are before going in-depth on our favorite sense: TASTE! We taste all sorts of tastes every day using taste buds. After learning about the science behind taste, we'll dive into some pretty awesome jobs that use taste as their primary tool (ever heard of a Flavorologist?!) and explore how taste was key in the process of human evolution.



“XPLORATION WEIRD BUT TRUE”

SEASON I - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of August 21, 2017 (Episode #151)

Charlie and Kirby are taking a detour off their natural sciences path this week to have a little... fun! On this special episode, they're unlocking the secrets behind every thrill-seeker's favorite theme park ride: rollercoasters.! They break down the physics behind some of the most extreme rides and rollercoasters in the US, do some field-testing in a theme park, and learn all about thrill-ride design from an industry professional.

Week of August 28, 2017 (Episode #152)

Kirby wants to become a master falconer. And she will not rest until her dream is realized. Plain and simple. In this episode we're going to make it happen, and examine some amazing bird of prey traits along the way.



STEVE ROTFELD PRODUCTIONS

“XPLORATION OUTER SPACE”

SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of June 26, 2017 (Episode #143)

What should NASA explore next, planet Mars or the Moon? Scientists make their case for spending our energy on going to Mars, while others think we should first conquer the Moon. Host Emily Calandrelli investigates this dilemma which will determine our space-faring future.

Week of July 3, 2017 (Episode #144)

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.

Week of July 10, 2017 (Episode #145)

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 July 17, 2017 (Episode #146)

XPLORATION OUTER SPACE names “The Top 20 Greatest Moments in Space: Caught on Video.” These are the most breathtaking, the most dramatic, the most important and the most fun images captured by the space program from here in our solar system to the galaxies beyond. From milestones in space travel to startling discoveries in space, this special episode counts down a memorable Top 20 that's out of this world.

Week of July 24, 2017 (Episode #147)

You may not know it, but every day you're using technology from space right here on earth! From the tiny camera in your smart phone... to the space-age material that helps people walk again on prosthetic limbs... Host Emily Calandrelli discovers the products made for the NASA space program that now make life better down here on the ground.

Week of July 31, 2017 (Episode #148)

From mission control to space walks - Join host Emily Calandrelli this week as she explores the unique world of Space Camp in Huntsville, AL. People from all ages come here each year to experience what its like to train like an astronaut.

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STEVE ROTFELD PRODUCTIONS

“XPLORATION OUTER SPACE”

SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of August 7, 2017 (Episode #149)

What do space and Amusement parks have in common? Join Emily Calandrelli and astronaut Jon McBride as they discover how amusement park rides can be just like space travel. Weightlessness, high G's, and disorientation are all a part of the human experience in space. Jon provides his first hand account of how these rides can give us a glimpse of what its like beyond our home planet.

Week of August 14, 2017 (Episode #150)

Space travel is a dangerous business and that is never more apparent than when disaster strikes. Join host Emily Calandrelli as she explores the most prominent disasters in our journey through the cosmos, and what we learned from each set-back.

Week of August 21, 2017 (Episode #151)

Host Emily Calandrelli makes the case for space exploration. Astronauts have reported a profound change in perspective when looking back at the earth from space from space, which they believe could change the world if experienced by others. And the economic benefits of space exploration are also featured in this fascinating episode.

Week of August 28, 2017 (Episode #152)

The discovery of exoplanets outside our solar system opened up a universe of possibilities – and we have never been closer to finding Earth's twin than we are today. As our ability to search beyond our planet becomes more sophisticated, we are making leaps and bounds in our discoveries of other worlds. Join host Emily Calandrelli as she explores the fascinating world of exoplanets

“XPLORATION NATURE KNOWS BEST”

SEASON I - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of June 26, 2017 (Episode #143)

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 July 3, 2017 (Episode #144)

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 July 10, 2017 (Episode #145)

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 July 17, 2017 (Episode #146)

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.

Week of July 24, 2017 (Episode #147)

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



STEVE ROTFELD PRODUCTIONS

zoos, to national conventions like the USA Science and Engineering Festival in Washington D.C.!

“XPLORATION NATURE KNOWS BEST”

SEASON I - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of July 31, 2017 (Episode #148)

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 August 7, 2017 (Episode #149)

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 August 14, 2017 (Episode #150)

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!

Week of August 21, 2017 (Episode #151)

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 August 28, 2017 (Episode #152)

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!

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

www.rotfeldproductions.com





STEVE ROTFELD PRODUCTIONS

“XPLORATION EARTH 2050”

SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of June 26, 2017 (Episode #143)

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 July 3, 2017 (Episode #144)

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 July 10, 2017 (Episode #145)

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 July 17, 2017 (Episode #146)

More people are moving to cities than ever before. And that's changing the way millions of people live. Join host Chuck Pell as he explores modern apartments built on assembly lines. He'll try the high tech furniture that makes the best use of limited space. And he'll take a tour of house barely bigger than a one car garage.

Week of July 24, 2017 (Episode #147)

Join host Chuck Pell as he goes to New York's fashion district to try the latest...in electric clothes. He'll also wear a new piece of wearable technology that uses his own energy to charge his phone. And he'll hit the treadmill in the ultimate shoe: the sneaker of the future.



STEVE ROTFELD PRODUCTIONS

“XPLORATION EARTH 2050”

SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of July 31, 2017 (Episode #148)

In the future farms are moving from the countryside into the city, and they're going straight up. Welcome to the vertical farm. Join host Chuck Pell as he eats a salad grown on the rooftop of a Boston high-rise. And the world's busiest airport is also home to a bee colony that produces pounds honey every year.

Week of August 7, 2017 (Episode #149)

Money has changed more in the last ten years than it has in the last thousand. Join host Chuck Pell as he goes to outer space with Canada's new plastic money. Local communities print their own money, and it works just like the real thing. And Chuck will see if digital money---which you can't even see---is really the currency of the future.

Week of August 14, 2017 (Episode #150)

Mother Nature is the ultimate design innovator. Host Chuck Pell sees how humpback whales are showing designers how to save millions in energy costs. In the Florida Keys scientists are using the birds and the bees to wipe out killer mosquitos. And man's best friend is being trained to sniff out deadly diseases.

Week of August 21, 2017 (Episode #151)

Military planners are turning to technology to win battles of the future. Join host Chuck Pell as he plays videos games that are shaping modern battle plans. He'll fly drones that are carrying a lot more than weapons. And he will visit scientists who have found a way to make tomorrow's army invisible.

Week of August 28, 2017 (Episode #152)

Human beings have been able to survive in practically every environment on Earth---from deserts to the frozen reaches of the Arctic. But what about living under the sea? Host Chuck Pell tries out a underwater 'tent' that allows explorers to spend hours, and even days, beneath the ocean's surface. Future explorers use the Utah desert to simulate what it will be like to live on Mars. And a California architect combines cardboard with the ancient Japanese art of Origami to provide quick homes that work in almost any environment.



STEVE ROTFELD PRODUCTIONS

“XPLORATION DIY SCI”

SEASON I - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of June 26, 2017 (Episode #143)

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 July 3, 2017 (Episode #144)

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 July 10, 2017 (Episode #145)

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 July 17, 2017 (Episode #146)

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 July 24, 2017 (Episode #147)

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 July 31, 2017 (Episode #148)

Host Steve Spangler shows you how to create “weather” inside your own home... from a tank filled with smog to a room-sized tornado.



STEVE ROTFELD PRODUCTIONS
“XPLORATION DIY SCI”

SEASON I - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of August 7, 2017 (Episode #149)

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.

Week of August 14, 2017 (Episode #150)

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 August 21, 2017 (Episode #151)

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 August 28, 2017 (Episode #152)

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.



STEVE ROTFELD PRODUCTIONS

“XPLORATION AWESOME PLANET”

SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of June 26, 2017 (Episode #143)

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.

Week of July 3, 2017 (Episode #144)

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 July 10, 2017 (Episode #145)

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 July 17, 2017 (Episode #146)

Host Philippe Cousteau visits Yosemite National Park, one of the first parks protected by the Federal Government. We'll explore the famous cliffs, such as El Capitan and Half-Dome. We'll head to the Mariposa Grove, which has 500 giant sequoia trees. And we'll look at the wildlife that thrives in various ecosystems at Yosemite.



STEVE ROTFELD PRODUCTIONS

“XPLORATION AWESOME PLANET”

SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of July 24, 2017 (Episode #147)

Host Philippe Cousteau visits the Mohave Desert, and discovers how varied deserts can be; some deserts are covered with sand dunes, while others have amazing vegetation. We also travel to Death Valley, the hottest spot in North America. Then we explore the Joshua Tree National Park, which has the unusual Joshua tree, and many other exotic plants.

Week of July 31, 2017 (Episode #148)

Host Philippe Cousteau travels to the Grand Canyon by helicopter, and gives us a close look at this amazing canyon, which is considered one of the seven natural wonders of the world. We'll also visit Bryce Canyon and its fascinating "hoodoos," which are rock formations sculpted by weather. We'll also dive into the Monterrey Bay and discover an incredible underwater canyon that features some unusual sea creatures.

Week of August 7, 2017 (Episode #149)

Host Philippe Cousteau visits an estuary in North Carolina and catches blue crabs, which have adapted to both saltwater and freshwater. Then Philippe goes to Curacao and takes a submersible 500 feet below the surface to look at sea life. We'll also look at the latest NASA satellite that enables us to monitor precipitation around the world. Then we visit a hotel near Quebec City that's made entirely of ice.

Week of August 14, 2017 (Episode #150)

Host Philippe Cousteau explores the various ways our planet is always in motion. We'll visit the volcanic Mt. Saint Helens in Washington, where the movement of the earth's crust caused this mountain to erupt and create devastation in 1980. We'll also discover how mountains are formed and earthquakes are caused. Then we'll look at how our oceans and waterways are in constant motion. And then we'll see how our planet itself is speeding through the galaxy at unimaginable speeds.



STEVE ROTFELD PRODUCTIONS

“XPLORATION AWESOME PLANET”

SEASON III - 2016/2017

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of June 26, 2017 through week of August 28, 2017

Week of August 21, 2017 (Episode #151)

Host Philippe Cousteau explores the natural beauty of the Canadian Rockies. Philippe canoes on the famous, glacier-fed Lake Louise at Banff National Park. We hike up a glacier at Jasper National Park. We discover what's being done to preserve the Woodland Caribou and White Bark Pine Trees. And we visit an archaeologist who provides artifacts our ancestors used while living in the Canadian Rockies 10,000 years ago.

Week of August 28, 2017 (Episode #152)

Host Philippe Cousteau visits NASA's Goddard Space Flight Center and learns how a fleet of satellites is monitoring our planet. Philippe flies in a DC3 aircraft over Arizona as part of NASA's efforts to take soil moisture readings. We visit an observatory in the Province of Quebec, where new stars are being discovered. And we take a spacewalk with astronauts and see planet earth from a whole, new perspective.



STEVE ROTFELD PRODUCTIONS

“XPLORATION WEIRD BUT TRUE”

SEASON II - 2017/2018

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of September 4, 2017 through week of September 18, 2017

Week of September 4, 2017 (Episode #101)

Charlie and Kirby are heading to Virginia to explore the Weird But True world of CAVES! With the help of a local scientist, our hosts will try their hand at spelunking and rappelling to get a closer look at what lies beneath the Earth's surface.

Week of September 11, 2017 (Episode #102)

Charlie and Kirby are off to California to meet some of the most innovative minds on the planet... action sports athletes! These pros have to train like athletes, but think like engineers – and Charlie and Kirby want to see if they've got what it takes to design and execute their own tricks.

Week of September 18, 2017 (Episode #103)

In this special “Who-Done-It” episode, a heist has been committed at HQ and Charlie and Kirby are on the case! With a little help from some Forensic Scientists, they'll take a look at how clues like fingerprints and footprints can help solve crimes.



STEVE ROTFELD PRODUCTIONS

“XPLORATION OUTER SPACE”

SEASON IV - 2017/2018

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of September 4, 2017 through week of September 18, 2017

Week of September 4, 2017 (Episode #101)

NASA has been remarkably successful sending robot to Mars' surface. Host Emily Calandrelli looks at the varied and ingenious methods used to land spacecraft on the red planet, starting with Pathfinder in 1997.

Week of September 11, 2017 (Episode #102)

The year 2011 was remarkable as NASA visited several planets, asteroids and comets. Host Emily Calandrelli explores the amazing journeys of spacecraft that gathered spectacular images of Mercury, Jupiter and Mars.

Week of September 18, 2017 (Episode #103)

Host Emily Calandrelli looks at how surviving in deep space can become a reality. Lockheed Martin is designing a spacecraft, similar to a smaller International Space Station, where astronauts can comfortably make a three-year trip to Mars and back.

“XPLORATION NATURE KNOWS BEST”

SEASON II - 2017/2018

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of September 4, 2017 through week of September 18, 2017

Week of September 4, 2017 (Episode #101)

Whether you're on a team, or just having a little fun, sports play a part in most of our lives. In this episode, host Danni Washington discovers how Mother Nature is revamping some of our favorite activities. She straps on roller skates with reinvented wheels that are inspired by how snakes and fish move. She crushes a 20-minute workout that mimics the physiology of little kids. And she sees how a basic component in plants is helping divers see more clearly underwater.

Week of September 11, 2017 (Episode #102)

Host Danni Washington goes whale watching and discovers the ways whales have inspired new inventions that help us ride bicycles and surfboards better and faster.

Week of September 18, 2017 (Episode #103)

With a little inspiration from Mother Nature, scientists are finding exciting new ways to grow and store food. Just host Danni Washington as she discovers how microscopic bacteria can create organic fertilizer. She heads out to sea to explore “3-D” ocean farming. And a “cool” solution to refrigeration is inspired by ants, elephants and kangaroos.



STEVE ROTFELD PRODUCTIONS

“XPLORATION AWESOME PLANET”

SEASON IV - 2017/2018

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of September 4, 2017 through week of September 18, 2017

Week of September 4, 2017 (Episode #101)

In this episode, Cousteau takes us to the American mid-West to see how wildlife in Yellowstone National Park cope with the harsh winter environment. We then climb to the top of Zion National Park's most famous peak before heading to a Pacific island to explore some of the tallest sea cliffs in the world. The journey ends by venturing into the Canadian wilderness to experience a crystal-clear nighttime sky.

Week of September 11, 2017 (Episode #102)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most spectacular places on the planet. In this episode, Cousteau explores the different ways an environmental painter, sculptor, photographer and craftsman blend nature with art.

Week of September 18, 2017 (Episode #103)

Join host Philippe Cousteau Jr., grandson of legendary explorer Jacques Cousteau, as he journeys to the most spectacular places on the planet. In this episode, Cousteau dives off the coast of Australia to explore the Great Barrier Reef. He then heads to James Cook University to get an up-close look at some of the country's deadliest creatures. Philippe ends his journey by visiting the National Sea Simulator at the Australian Institute of Marine Science.

“XPLORATION EARTH 2050”

SEASON IV - 2017/2018

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of September 4, 2017 through week of September 18, 2017

Week of September 4, 2017 (Episode #101)

Weather---it's Mother Nature's way to remind us how beautiful---and fickle---she can be. Host Chuck Pell visits a local TV station to see how supercomputers are used to predict future weather events. We see drones that fly right into tornadoes. And we're introduced to three college students who've created a worldwide community by using weather technology to predict the perfect sunset.

Week of September 11, 2017 (Episode #102)

High tech is revolutionizing the way art is being created. Is Artificial Intelligence intelligent enough to make art? Host Chuck Pell find out when sees works of art produced solely by computers. And he learns how 'Creative Re-use' takes what was once garbage and turns it into raw material for all sorts of artistic activities.

Week of September 18, 2017 (Episode #103)

Plastic is one of mankind's most revolutionary inventions. It's everywhere---in your home, in your car, in your clothes. It's also fouling your environment. Host Chuck Pell visits the world of plastic recycling---where used plastic is converted into lumber, clothing, works of art, car parts and even homes. On the way to 2050, plastic garbage is the raw material of the future.



STEVE ROTFELD PRODUCTIONS

“XPLORATION DIY SCI”

SEASON II - 2017/2018

FCC FRIENDLY EPISODE WRITE-UPS

THIRD QUARTER

Week of September 4, 2017 through week of September 18, 2017

Week of September 4, 2017 (Episode #101)

Mummies, dinosaurs and germs... Host Steve Spangler comes up with experiments you can do yourself, based on what's on display at the Denver Museum of Nature & Science. Plus, find out what happens when you mix 10,000 ping-pong balls with buckets of explosives.

Week of September 11, 2017 (Episode #102)

Host Steve Spangler shows you wacky experiments where the science is smart, but the tricks are crazy. Like, how to make a can of potato chips fly. Or, how to survive a swinging bowling ball on a rope, aimed right at your head!

Week of September 18, 2017 (Episode #103)

Host Steve Spangler shows you science you can eat! Discover new ways to create colorful, sweet dessert toppings, slimy spaghetti and even ice cream.



TEEN KIDS NEWS

DATE: 7/1/17

EPISODE: 1443

SYNOPSIS: Getting ready for college; dealing with work and school; a college athlete overcomes challenges; healthy eating; self-defense demonstration; dog behavior.

DATE: 7/8/17

EPISODE: 1444

SYNOPSIS: The Safe Rides Saves Lives PSA contest; summer internships; yoga techniques to reduce stress; an organization helps kids fighting cancer find friends; pastry and veggies.

DATE: 7/15/17

EPISODE: 1445

SYNOPSIS:

DATE: 7/22/17

EPISODE: 1446

SYNOPSIS: Advice for taking the SAT and ACT exams; what it takes to earn the Girl Scout Silver Award; an unusual fertilizer; dealing with test stress; dangers of distracted driving; the historic town of St. Andrews in Scotland.

DATE: 7/29/17

EPISODE: 1447

SYNOPSIS: Weekly report on events with interest for teens, including headline news, entertainment, medical advice, drinking and driving, books and Internet safety.

DATE: 8/5/17

EPISODE: 1448

SYNOPSIS: Weekly report on events with interest for teens, including headline news, entertainment, medical advice, drinking and driving, books and Internet safety.

DATE: 8/12/17

EPISODE: 1449

SYNOPSIS: the new nutrition labels on food; making a left turn while driving; the state called "the mother of presidents"; a seemingly missing statue in England's Parliament Square; trending school supplies; being embarrassed by how parents dance.

DATE: 8/20/17

EPISODE: 1450

SYNOPSIS: College prep exams; Arizona teens take a stand against tobacco; getting a part-time job; road safety; no-bake pie.

DATE: 8/26/17

EPISODE: 1451

SYNOPSIS: Advice on handling stress; a wall that helped the ancient Romans define their empire; how the sun is central to the practice of yoga; a healthy way to make chicken fingers.



DATE: 9/2/17

EPISODE: 1452

SYNOPSIS: Weekly report on events with interest for teens, including headline news, entertainment, medical advice, drinking and driving, books and Internet safety.

DATE: 9/9/17

EPISODE: 1501

SYNOPSIS: Weekly report on events with interest for teens, including headline news, entertainment, medical advice, drinking and driving, books and Internet safety.

DATE: 9/16/17

EPISODE: 1502

SYNOPSIS: Facts about gluten; visiting prospective colleges; turning an idea into a money making enterprise; a snack that may help you get through your homework.

DATE: 9/23/17

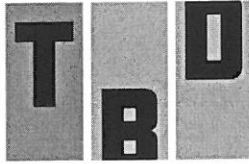
EPISODE: 1503

SYNOPSIS: Weekly report on events with interest for teens, including headline news, entertainment, medical advice, drinking and driving, books and Internet safety.

DATE: 9/30/17

EPISODE: 1504

SYNOPSIS: Weekly report on events with interest for teens, including headline news, entertainment, medical advice, drinking and driving, books and Internet safety.



Subchannel 17.2

AMERICA'S HEARTLAND - TARGETS AGES 13-16 YEARS
Aired: SATURDAYS @ 7:00AM—A HALF HOUR PROGRAM
TV-G Missing is closed-captioned

Much of the food Americans eat is produced by farmers and ranchers in the country's heartland, but many children don't know how it's produced. "America's Heartland" provides information about the people and processes responsible for the availability of food and fuel across the country and around the world. The show's reporters and producers tell stories in topics that include farm families, consumer issues, animal welfare and crop sustainability. Children will learn about the production of the food and fuel they consume. Some episodes also take the show abroad to countries such as Egypt and Taiwan, to show the impact American agriculture has on the global economy.

DOG TALES - TARGETS AGES 13-16 YEARS
Aired: SATURDAYS @ 7:30M—A HALF HOUR PROGRAM
TV-G Missing 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.

ANIMAL RESCUE - TARGETS AGES 13-16 YEARS
Aired: SATURDAYS @ 8:00AM—A HALF HOUR PROGRAM
TV-G Missing 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.

THE REAL WINNING EDGE - TARGETS AGES 13-16 YEARS
Aired: SUNDAYS @ 7:00AM AND 7:30AM —A HALF HOUR PROGRAM
TV-G Missing is closed-captioned

This program features young people who have been chosen to be profiled because of their adoption of pro-social values and principles. The particular youth featured is interviewed by a celebrity in the same talent field. This program shows the viewer that honesty, loyalty, hard work, self-discipline and balancing school work with social activities and friends, and developing a sense of purpose in his/her life, all combine to help the viewer stand against influences which could hurt him/her or others.



Subchannel 17.2

THINK BIG- TARGETS AGES 13-16 YEARS

Aired: SUNDAYS @ 8:00AM—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.

MISSING - TARGETS AGES 13-16 YEARS

Aired: SUNDAYS @ 8:30AM—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.



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
President,
Telco Productions, Inc.



TELCO PRODUCTIONS, INC.

Dear Station,

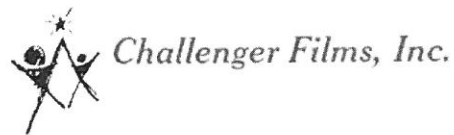
The Real Winning Edge is a weekly half-hour television series that meets the educational and informational objectives of the FCC's Children's Programming requirements for children ages 13-16. The program highlights adolescents and young adults making the right choices when faced with tough decisions and significant challenges. Recognizing that 13 to 16-year-olds are likely to be influenced by celebrities, the series features role models from the professional sports and the entertainment industries. Each episode is engaging, entertaining and educational in structure, presenting a powerful and positive message.

The Real Winning Edge 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.

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



January, 2011

Dear Station,

The Real Winning Edge series is developed to be an educational/informational (E/I) program for the 13-16 year age group. It is designed to help youth make "winning choices" in their lives in order to grow to be productive citizens. This series is based on role models who are making pro-social life choices. Emphasis on being honest, loyal, hard working toward productive goals, and treating others as they would like to be treated, are values emphasized by the positive role models in ***The Real Winning Edge***.

Education research indicates that, from preadolescence through the teenage years, youth are most influenced by their peers. Their role model preferences switch from parents to the sports and entertainment icons during these years for most. If the peers and the icons promote antisocial standards and nonconformity to guiding principles honored in our society, youth soon adopt behaviors that not only hurt others but hurt themselves.

The Real Winning Edge will go a long way in helping youth to develop character, being the best they can be by seeing their peers and the celebrities whom they admire, who themselves have the character to make winning choices.

Dr. Diane Preston-Reilly, Ed.D.
Challenger Films, Inc

Challenger Films, Inc.
3235 Satellite Blvd. Bldg. 400, Ste. 300
Duluth, GA 30096



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 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
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

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 endorsed 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.



Dear Station,

Pursuant to the Children's Television Act of 1990, "America's Heartland" will satisfy the FCC Children's programming requirement and can be classified as either core or non-core programming. "America's Heartland" serves the educational and informational needs of children 13 to 16 years of age with its program content, including the importance of learning about farming and feeding the world. Teenage students are presented with fascinating stories and introduced to exceptional individuals who operate family farms through America's heartland.

"America's Heartland" as delivered is formatted to allow for no more than 14 minutes of total commercial time per broadcast hour (7 minutes per half-hour). "America's Heartland" 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.

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

Sincerely,

A handwritten signature in cursive script that reads "Alex Paen".

Alex Paen
President, Telco Productions, Inc.



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.
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Subchannel 17.3

ANIMAL ATLAS - TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 8:00AM—A HALF HOUR PROGRAM

DATES: 7/1/17-8/19/17

"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.

SAFARI TRACKS- TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 8:30AM—A HALF HOUR PROGRAM

DATES: 7/1/17-8/19/17

"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.

THE COOLEST PLACES ON EARTH - TARGETS AGES 13-16 YEARS

AIRED: SATURDAYS @ 9:00AM AND 10:30AM—A HALF HOUR PROGRAM

DATES: 7/1/17-8/19/17

"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.



Subchannel 17.3

STATE TO STATE TARGETS AGES 13-16 YEARS

Aired: SATURDAYS @ 9:30AM—A HALF HOUR PROGRAM

DATES: 7/1/17-8/19/17

"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.

ON THE SPOT - TARGETS AGES 13-16 YEARS

Aired: SATURDAYS @ 10:00AM—A HALF HOUR PROGRAM

DATES: 7/1/17-8/19/17

"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.

GET WILD AT THE SAN DIEGO ZOO - TARGETS AGES 13-16 YEARS

Aired: SATURDAYS @ 11:00AM —A HALF HOUR PROGRAM

This program is based at the world famous San Diego Zoo and features notable animal experts teaching children the living habits and unique behaviors of wild animals. Episode examples include: learning how experts studying adult orangutans learn how they raise their young; and explains the Panda's living patterns.

WILD WORLD AT THE SAN DIEGO ZOO TARGETS AGES 13-16 YEARS

Aired: SATURDAYS @ 11:30AM—A HALF HOUR PROGRAM

This program is based at the world famous San Diego Zoo and focuses on showing how zoo enrichment programs help animals initiate natural behavior. This program teaches children about animal behavior and the importance of providing an enriching environment for animals in our care.

THE WILDLIFE DOCS - TARGETS AGES 13-16 YEARS

Aired: SATURDAYS @ 9:00AM AND 9:30AM—A HALF HOUR PROGRAM

DATES: 8/26/17-9/30/17

This program follows the surprising, exotic and challenging lives of a veterinary staff that cares for over 2,000 animals. The viewer will witness a variety of wild experiences through the eyes of the veterinary team, such as nutrition, treatments, x-rays, surgery, preventive care and dealing with emergencies. Through this program, the viewer will be given a glimpse of the enormity, variety and quality of treatment that sets the standard for animal care.

**THE WILDLIFE DOCS - TARGETS AGES 13-16 YEARS****AIRED: SATURDAYS @ 8:30AM AND 9:00AM—A HALF HOUR PROGRAM****DATES: 8/26/17-9/30/17**

This program follows the surprising, exotic and challenging lives of a veterinary staff that cares for over 2,000 animals. The viewer will witness a variety of wild experiences through the eyes of the veterinary team, such as nutrition, treatments, x-rays, surgery, preventive care and dealing with emergencies. Through this program, the viewer will be given a glimpse of the enormity, variety and quality of treatment that sets the standard for animal care.

THE BRADY BARR EXPERIENCE - TARGETS AGES 13-16 YEARS**AIRED: SATURDAYS @ 10:00AM—A HALF HOUR PROGRAM****DATES: 8/26/17-9/30/17**

This action-packed series documents the work of Herpetologist Dr. Brady Barr, who has traveled the globe and worked with hundreds of scientists to study some of the world's most dangerous and endangered amphibious predators – alligators and crocodiles. Dr. Brady's life work has been to protect these powerful animals. By increasing the viewer's knowledge and understanding, Barr hopes to save both human and reptile lives.

EXPEDITION WILD - TARGETS AGES 13-16 YEARS**AIRED: SATURDAYS @ 10:00AM—A HALF HOUR PROGRAM****DATES: 8/26/17-9/30/17**

Wildlife expert Casey Anderson showcases his charismatic animal companions on an innovative and action-packed odyssey through North America's wild places. Through this program, viewers will have a rare glimpse into the beauty and complexity of the natural world. Viewers will follow Casey on a series of adventures, such as paddling the Grand Canyon, skiing with wolverines in British Columbia, observing mountain lions in Montana, staking out the scavengers of Yellowstone, investigating a raven's nest, observing polar bears on Alaska's northern slope, and climbing rugged extremes in pursuit of Maine's black bears. These adventures will bring the viewer a rare experience with endangered species - some deadly, others dashing, in the stunning natural ecosystem they call home.

FOOD FOR THOUGHT - TARGETS AGES 13-16 YEARS**AIRED: SATURDAYS @ 11:00AM—A HALF HOUR PROGRAM****DATES: 8/26/17-9/30/17**

The program's young host, Claire Thomas, shows viewers how everyday life can inspire culinary creations. In each episode, Claire shows how food can be used as a tool to explore new places, meet new people and learn about new cultures. The inspiration for the food prepared on the program can come from family, friends, or people asking for her expertise. No matter how exotic or familiar the location, Claire is always in search of new tastes. While teaching the viewer how to prepare the particular inspired dish, she also promotes a healthy attitude towards food and life.

CULTURE CLICK - TARGETS AGES 13-16 YEARS**AIRED: SATURDAYS @ 11:00AM—A HALF HOUR PROGRAM****DATES: 8/26/17-9/30/17**

This program explores connections in history which affect pop culture and our lives today. Using a unique flowchart style, the program draws surprising connections between such subjects such as what do Justin Bieber and Cleopatra have in common, or what connection did John Wilkes Booth have to Abraham Lincoln, or what do cavemen have to do with pancakes. Through these comparisons, the program introduces the viewer to American history, Greek mythology, and architecture, as well as fashion and pop culture, and inspires the viewer to learn more about the subjects.



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.

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

Sincerely,

A handwritten signature in cursive script that reads 'Alex Paen'.

Alex Paen
President, Telco Productions, Inc.

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



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.

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Sincerely,

A handwritten signature in black ink that reads 'Alex Paen'.

Alex Paen
President, Telco Productions, Inc.



The Wildlife Docs

The half-hour weekly series, *The Wildlife Docs*, produced for ages 13-16 follows the surprising, exotic, and challenging lives of a veterinary staff that cares for over 2,000 animals. From nutrition to treatments, x-rays to surgery, preventative care to emergencies, this educational and information program will allow viewers to witness a kaleidoscope of wild experiences through the eyes of our Veterinary Team. Unpredictable events unfold giving viewers a glimpse of the enormity, variety, and quality of treatment that sets the standard for animal care.

Series Description: The Wildlife Docs



SERIES DESCRIPTION

THE BRADY BARR EXPERIENCE

The Brady Barr Experience is a weekly half-hour series that is designed to inform and educate viewers 13-16 years of age. In this action-packed series viewers will go behind the scenes with Dr. Brady Barr for a captivating ride through the world of wildlife and animal conservation. As a seasoned herpetologist, Dr. Brady Barr has traveled to five continents, worked with hundreds of scientists and has gotten up close and personal with some of the most misunderstood animals on the planet. Brady Barr has made it his life's work to study and protect some of the world's most dangerous and endangered land animals and in this series, he will share his knowledge and passion for the earth's wildlife with the audience.

EXPEDITION WILD

Expedition Wild

Produced for ages 13-16, this educational and informational program is hosted by wildlife expert Casey Anderson and showcases his charismatic animal companions on an innovative and action-packed odyssey through North America's wild places — revealing a rare glimpse into the beauty and complexity of the natural world. Viewers will follow Casey on a series of breathtakingly wild adventures: he'll paddle the Grand Canyon, ski with Wolverines in British Columbia, observe Mountain Lions in Montana, stake out the scavengers of Yellowstone, investigate a raven's nest, observe Polar Bears on Alaska's northern slope, and climb to rugged extremes in pursuit of Northern Maine's Black Bears — bringing audiences a rare and personal experience with endangered species, some deadly, others dashing, in the stunning natural ecosystems that they call home

Series Description: Born to Explore



Food for Thought Series Description:

Young, enthusiastic and passionate about food, Claire Thomas is the 22 year old host who opens viewers' eyes to how everyday life can inspire culinary creations in *Food for Thought*. Each weekly-half hour, produced for ages 13-16, informs and educates teens about the power of food as a tool for exploring new places, meeting new people and learning about different cultures.

Claire serves as a role model for 13-16 year old viewers by showing her passion for her family, life, and healthy living by sharing stories in the kitchen. Creative inspiration can come from any place at any time – sometimes from family, sometimes from friends, or even from bloggers needing her help.

No matter how exotic or local the location, she's always in search of new tastes and places to explore. Based on her unique perspective gathered throughout each episode, Claire will teach the audience how to prepare the "inspired" dish while promoting a healthy attitude towards food and life.



Culture Click Series Description:

Culture Click is a weekly half-hour series that explores the genesis of – and reasons behind- cultural events that permeate our everyday lives. Developed and produced for viewers aged 13-16, host Nzinga Blake opens each episode from her virtual reality set with a list of what’s trending on search engines that week. These topics will serve as a jumping-off point for a deep dive into the culture viewers 13-16 will embrace.

Each week Nzinga will analyze and answer the questions that shape our society – using the power and speed of the internet and user-generated questions and content. Experts in pop culture will join her to add insight and historical perspective. And most importantly, viewers will come away with a week’s worth of “aha” moments to share with their friends and family. Six degrees of separation takes on a whole new meaning, and there’s no limit to what viewers will learn when they experience *Culture Click*.