

“XPLORATION WEIRD BUT TRUE”

SEASON IV - 2019/2020

FCC FRIENDLY EPISODE WRITE-UPS

SECOND QUARTER

Week of March 30, 2020 through week of June 15, 2020

Week of March 30, 2020 (Episode #131)

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 April 6, 2020 (Episode #132)

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 April 13, 2020 (Episode #133)

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!

Week of April 20, 2020 (Episode #134)

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.

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Week of April 27, 2020 (Episode #135)

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 May 04, 2020 (Episode #136)

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 May 11, 2020 (Episode #137)

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!

Week of May 18, 2020 (Episode #138)

Animals can be found all of 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!

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Week of May 25, 2020 (Episode #139)

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 June 1, 2020 (Episode #140)

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 June 08, 2020 (Episode #141)

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.

Week of June 15, 2020 (Episode #142)

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.