



**“XPLORATION WEIRD BUT TRUE”**

SEASON III - 2018/2019

FCC FRIENDLY EPISODE WRITE-UPS

**FIRST QUARTER**

Week of December 31, 2018 through week of March 25, 2019

**Week of December 31, 2018 (Episode #118)**

Kirby has been getting into new technology for their crafts, but Charlie isn't a fan. While Kirby is off at tech camp, Charlie goes back to a traditional Colonial village to see how simpler things were in the olden days.

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**Week of January 7, 2019 (Episode #119)**

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 January 14, 2019 (Episode #120)**

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 senses 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 habits and why it's important to monitor them and protect the world's ecosystems.

**Week of January 21, 2019 (Episode #121)**

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.



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#### **Week of January 28, 2019 (Episode #122)**

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 February 4, 2019 (Episode #123)**

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.

#### **Week of February 11, 2019 (Episode #124)**

Charlie and Kirby learn where paper comes from and how recycling can help save trees by visiting a paper mill and recycling plant, and they learn some weird but true facts along the way.

#### **Week of February 18, 2019 (Episode #125)**

Charlie and Kirby are on a mission to build the perfect paper airplane. So they meet up with a professional pilot to learn all about planes on a flight in a historic biplane!

#### **Week of February 25, 2019 (Episode #126)**

Vroom! Charlie and Kirby have a big soapbox derby race coming up, so they head to a racetrack for a crash course on racecars!

#### **Week of March 4, 2019 (Episode #127)**

Kirby's garden can go everything... except fruits! She's missing pollinators, so Charlie launches them on a mission to learn all about bees.

#### **Week of March 11, 2019 (Episode #128)**

Kirby has an egg-drop competition coming up in science class, and she's determined to beat the school record. To learn how to build a winning contraption, she and Charlie are off to get some advice from professional test engineers!



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#### **Week of March 18, 2019 (Episode #129)**

The power keeps going out in HQ! Charlie and Kirby are determined to find a way to keep the lights on, so they're determined to learn all about electricity!

#### **Week of March 25, 2019 (Episode #130)**

Charlie and Kirby are on a mission to learn everything they can about the Master Defenders of the Animal Kingdom. Join them as they learn all about cool animal adaptations like how certain bugs can camouflage themselves or how skunks use stinky sprays!