

CHILDREN'S TELEVISION PROGRAMMING COMMERCIAL CERTIFICATION

KING TV ("Station") certifies that all 12-and-under children's TV programs carried during this quarter on its primary and multicast streams were formatted so that, as a matter of standard policy and practice, the programs would not exceed the "commercial matter" time limits of 73.670(a) of the FCC's rules: Weekdays: 12 minutes in any clock-hour children's programming (6 minutes in a stand-alone half-hour program); Weekends: 10.5 minutes in any clock-hour children's programming (5.25 minutes in a stand-alone half-hour program). Programming promos, with certain exceptions, count as commercial matter.

Program Title

List all network and non-network 12-and-under children's programs carried on primary and multicast channels.

There were no 12-and-under children's programs carried on the KING 5.1 primary channel or the KING 5.2 multicast channel (Justice Network) for the quarter ending September 30, 2017.

1. Network-provided commercial limit certifications are attached in Appendix A.
2. Station certifies that there were no time periods during the quarter in which the "commercial matter" time limits stated above were exceeded during 12-and-under children's programming.

<u>X</u>	—
Yes	No

If no, provide details of each such instance in Appendix B.

3. Station certifies that, during the quarter, it has complied with the commercial requirements of Sections 73.670(b), (c) and (d) of the FCC's rules regarding the display of Internet website addresses during 12-and-under children's programming.

<u>X</u>	—
Yes	No

If no, provide details in Appendix C.

I hereby state, under penalty of perjury, that the foregoing is true, correct and complete to the best of my knowledge, information and belief.



Michael Loranger
Programming Manager

October 3, 2017
Date



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.



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

Dear Alex,

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Brian A. Peña".

Brian A. Peña, MS
Adjunct Faculty
Santa Monica College



Biz Kid\$ Generic Series Description:

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

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

Note Regarding FCC's Video Description Rules: The programs supplied in **The More You Know** block are video-described to provide a better viewing experience for blind or visually impaired children. Under the FCC's video description rules that became effective on July 1, 2015, full-power affiliates of the ABC, CBS, Fox and NBC networks that are located in the top 60 television markets must provide 50 hours per calendar quarter of video-described programming during prime time or in children's programming. A video described program may be counted toward the 50 hours when it is originally aired and on one re-airing. Although much of the programming aired with video description is likely to be newly produced, stations may count any program they are airing for the first or second time with video description after the effective date, even if the program aired on that station without video description prior to the effective date. Similarly, a station may count programming toward its 50-hour obligation even if that programming has aired elsewhere with video description, as long as it is airing with description for the first or second time on that station.

3rd QUARTER 2017
EDUCATIONAL OBJECTIVES and SHOW SUMMARIES
[AGE TARGET 13-16]
July 1, 2017 – September 30, 2017

In the 3rd Quarter of 2017, NBC continued airing The More You Know Educational/Informational programming block, designed for older adolescent children, ages 13-16. Each of the six shows has a hosted format, featuring non-fiction, informative programming that extends NBC's iconic The More You Know brand to Saturday mornings. The audience views inspiring stories about the environment, social change, health and wellness, and community engagement.

THE VOYAGER WITH JOSH GARCIA

The Voyager with Josh Garcia is a live action, half-hour television program designed to meet the educational and informational needs of children aged 13-16. *The Voyager with Josh Garcia* takes viewers on an exciting and immersive journey around the globe with world traveler and host, Josh Garcia. Each episode gives audiences access to the world's most incredible destinations as Josh seeks out the truly authentic experiences one can only find when shown by a knowledgeable and passionate guide. In each episode, Josh learns how to prepare an authentic, regional meal, visits a local artisan to learn about their trade and craft, and samples the culture while learning about the heritage of the region's population, showing viewers what is so unique about each city he visits. *The Voyager with Josh Garcia* brings viewers on an enthralling adventure to explore the people and cultures that make our world so breathtaking.

WILDERNESS VET

Wilderness Vet is a live action, half-hour television program designed to meet the educational and informational needs of children aged 13-16. *Wilderness Vet* follows veterinarian Dr. Michelle Oakley, and features compelling stories from one of the most rugged areas on the planet, the Yukon. Dr. Oakley travels to homes, farms, and wildlife preserves across the Yukon to help animals in need, while balancing life at her home clinic. Providing a glimpse into a fascinating career choice, *Wilderness Vet* will show viewers the hard work and dedication involved in the rescue and rehabilitation of animals, while imparting tips to help keep all furry friends healthy.

JOURNEY WITH DYLAN DREYER

Journey with Dylan Dreyer is a live action, half-hour television program designed to meet the educational and informational needs of children aged 13-16. *Journey with Dylan Dreyer* is a wondrous celebration of nature. Hosted by meteorologist Dylan Dreyer, this series features breathtaking cinematography that will bring viewers up-close and personal with creatures big and small, from the black bears of Montana to polar bears in the Arctic. Audiences will have a unique platform to see animals living in their natural habitat, and

will learn about the circle of life along the way. *Journey with Dylan Dreyer* also explores natural wonders of the world, including the migration of 1.5 million animals traveling over 500 miles across the Serengeti in Tanzania and Kenya. Viewers will uncover these amazing facts of nature, and learn why it's so important to protect Earth's natural resources and all its inhabitants.

NATURALLY, DANNY SEO

Naturally, Danny Seo is a live action, half-hour television program designed to meet the educational and informational needs of children aged 13-16. *Naturally, Danny Seo* is a series about seeking a healthier lifestyle by learning the science behind eating well, exercising your mind and body, and caring for our planet. Host Danny Seo is a leading authority on eco-friendly living, and has devoted his career to the idea that caring for the environment can go hand-in-hand with enjoying time with family and friends, sharing delicious and healthy meals, while creating an environmentally friendly home. In each episode of *Naturally, Danny Seo*, viewers will be introduced to inspiring ideas from fun and healthy recipes, to easy and sustainable crafts. Viewers will learn how to embrace a natural lifestyle, easily and beautifully, along with quick tips on green living.

“CORE PROGRAMMING”

**PROGRAMMING FURNISHED BY THE NBC NETWORK THAT IS SPECIFICALLY
DESIGNED TO SERVE THE EDUCATIONAL AND INFORMATIONAL NEEDS OF CHILDREN
16 AND UNDER**

[AGE TARGET 13-16]

July 1, 2017 – September 30, 2017

Airdate: 7/1/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

MEDITERRANEAN MELTING POT [VJG114]

Host Josh Garcia's ship stops in Marseille, France where a local chef invites Josh and his shipmates to take part in the world-famous culinary tradition of bouillabaisse, a flavorful fish stew. Josh tries his hand at a famous local beach game called *petanque*, and visits a soap factory where he makes his very own personalized "Soap of Marseilles". First, Josh visits a fish market with a local chef to see the real Marseille. He is served bouillabaisse, the most famous dish in Marseille, and experiences the flavors of the region. Then, he heads to the shore where he gets schooled in a famous pastime, the game of *petanque*. *Petanque* is a game that consists of skill and focus to toss steel balls closest to the target, the *cochonnet*, a small wooden ball. Finally, Josh gets a hands-on experience at a local soap factory where he learns the science behind world-famous Marseille soap.

[Educational Message: Learning a new outdoor game can bring great joy and relaxation. Not only does it get you outside in nature, but it can also connect you with new friends.]

Airdate: 7/1/2017

Time:

Duration: 30:00

WILDERNESS VET

WHEN MOM'S AWAY [WDV114]

On this episode of Wilderness Vet, while Dr. Oakley is away traveling she visits a family with a black Labrador Retriever, named BooBoo, who has a mysterious weight gain problem. After examining BooBoo, Dr. Oakley believes the ailing dog is suffering from hypothyroidism. BooBoo will be treated with medication and remain active until the excess weight is lost. Since her treatment, BooBoo has already lost an incredible 35 pounds and is well on her way to a healthier life. Next, with Dr. Oakley on the road, her husband Shane decides to use the opportunity to teach their daughters some outdoors skills. Today's first lesson is chopping wood. Shane teaches the girls how to carefully chop logs into firewood and he explains to them the importance of self-reliance. Next, Shane takes the girls out to the riverbank to have them learn how to build a shelter, knowledge that can be life-saving in the extreme Yukon elements. The Oakley daughters learn to use teamwork in order to complete the natural shelter in a short amount of time. Next up, Dr. Oakley has an appointment with a Shih Tzu, Bitsy, who has a large mass growing from her stomach. Concerned about the possibility of cancer, Dr. Oakley suggests that Bitsy be treated at larger clinic in Juneau to have the mass surgically removed. Back at home, Shane is taking the girls out for one last outdoor skills test – building a fire. Hypothermia is a serious problem and can be life threatening if not treated quickly. Finally, back at the Bald Eagle Foundation, Dr. Oakley is visiting a Eurasian eagle-owl named Hans. Eurasian eagle-owls are one of the largest owl species in the world. Dr. Oakley successfully takes the blood sample that will be tested to ensure Hans is in good health.

[Educational Message: It's important to learn the value of teamwork. Spending time with your siblings can be invaluable.]

Airdate: 7/1/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

ANTARCTIC [JDD114]

Join host Dylan Dreyer at the end of the world as she explores the frozen, forgotten continent of Antarctica. We'll witness the incredible wildlife that survives in the most extreme environment on Earth, meet the scientists working to understand the growing threat of climate change, and learn about the early explorers who made the first brave attempts to reach the South Pole. Antarctica, the frozen and lonely wilderness at the bottom of the world, is the largest uninhabited place on Earth. First, we'll learn about the group of people who were the first to successfully reach the Antarctic and helped to build the foundations of Antarctic scientific exploration. Next, we'll meet with a group of Weddell seals, one of the first animals studied in Antarctica, who live further south than any other mammal on Earth. Next, we'll learn more about Emperor penguins and their ability to survive in the extreme Antarctic conditions. Finally, we'll team up with a group of scientists that are studying the effect of climate change on the South Pole. Here we learn how the sea ice around the continent waxes and wanes over time. In winter, Antarctica nearly doubles in size and the expanse of coldness effects climate over the entire globe. Next, we see how scientists use core drills to remove samples from the ice. Finally, we learn about the history of The Antarctica Treaty, an agreement among foreign nations to protect Antarctica as a place of peace and science.

[Educational Message: Antarctica is a symbol of human curiosity and courage. Learning to appreciate science can make a big impact on our lives.]

Airdate: 7/1/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

BROTH BAR [NDS114]

Host Danny Seo makes homemade bone broth, an old-fashioned health remedy, and learns that you can save time peeling vegetables by leaving on the skin. Bone broth contains glucosamine, which helps protect your joints and relieve joint pain. Next, Danny cooks up gluten-free cookies. Gluten is a mix of proteins responsible for the elastic texture of dough, and can be substituted by using coconut flakes. Then, he turns trash into treasure by upcycling plastic caps and old boxes into jewelry and works of art. Finally, he shares tips on how to be green while travelling in your car.

[Educational Message: Bone broth is an easy way to get a daily dose of micronutrients in one serving-- micronutrients are chemical elements required for growth and development. Eating clean means avoiding processed foods. Use your imagination when looking at something you may consider trash; you have the ability to use it as way to express yourself artistically and create something unique.]

Airdate: 7/8/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

KUNG FU MASTER [VJG115]

Host Josh Garcia visits the port of Hong Kong where a local foodie takes him on an unforgettable tour of the city's nearly extinct foods, and Josh bravely tries some interesting dishes. Josh receives a lucky fortune at an ancient temple, and then gets a Kung Fu lesson from a master. First, Josh visits some of the oldest temples in Hong Kong and meets a cultural expert to learn the history and practices associated with Buddhism and Taoism. Then, Josh heads into town to learn how a craftsman is incorporating local materials into daily life, and he connects with a local foodie to try some unique dishes. Finally, he meets a living legend who trained under the same master as Bruce Lee and tries his hand at Kung Fu. The art of Kung Fu is said to be thousands of years old and dates back to the legend of Wing Chung, a nun who created the art to conquer an evil opponent.

[Educational Message: Visiting ancient landmarks can give you a glimpse into ancient practices and schools of thought. Ancient culture transforms in modernity through monuments, sculptures, and rituals.]

Airdate: 7/8/2017

Time:

Duration: 30:00

WILDERNESS VET

1 HOOF, 2 HOOVES, 3 HOOVES, 4 [WDV115]

On this episode of Wilderness Vet, Dr. Oakley is no stranger to working with large animals. From performing exams on feisty sheep, to helping a donkey with an infestation, or saving a Caribou with a troublesome limp, it's no wonder she's one of the best veterinarians in the Yukon. First up, Dr. Oakley's mission is to sedate and examine a bull Caribou who has been limping. Dr. Oakley and Randy Hallock from the Yukon Wildlife Preserve team up to accomplish the task. After multiple attempts over two days to sedate the animal, Dr. Oakley and team successfully dart the injured Caribou. Dr. Oakley performs a full body exam on the Caribou and takes a closer look at the injured leg. She determines that trimming the

Caribou's toes and providing arthritis medication will relieve pressure on the bull's joints and help increase its mobility. Next, Dr. Oakley is performing a physical on a Dall sheep. To get up close for the examination, Dr. Oakley will have to sedate the sheep with a blow dart. After a successful hit, Dr. Oakley and team examine the sheep, provide vaccines, and trim its hooves. Finally, Dr. Oakley makes a house call to a new patient and finds a sick donkey named Jane. Dr. Oakley discovers that Jane has a puzzling skin problem and hair loss. After careful examination, Dr. Oakley finds that Jane has a lice problem, and she prescribes a dusting powder to treat and rid Jane of her infestation.

[Educational Message: The best preparation for tomorrow is doing your best today. We learn more from our mistakes than our successes.]

Airdate: 7/8/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

ADRENALINE RUSH [JDD115]

Join host Dylan Dreyer as she explores the ultimate rush of Skydiving. Hold your breath - as we jump out of airplanes with professional thrill-seekers and rocket toward the earth with a parachute and a prayer. Finally, we'll recreate a parachute designed by Leonardo da Vinci over 500 years ago. First, we'll meet a team of skydivers and discover more about the daring and risky sport. Over 500,000 people make a total of three million skydives in the United States every year. Discover how skydivers control their bodies during flight and maintain a clear focused mind during an overwhelming sensation of freefall. We'll find out how air rushing underneath the parachute creates low pressure above it, creating a lift that breaks the jumper's fall. Next, we'll learn about the history and science behind wingsuits, parachutes and other flying concepts that trace all the way back to Leonardo da Vinci. We'll discover more about the numerous inventions that Leonardo da Vinci once conceived and how many similar concepts exist today. Next, we'll follow a group as they attempt to recreate one of the da Vinci concepts into a reality. Finally, with the help of Oxford University, we'll discover first-hand how a team of scientists accurately and successfully re-create Leonardo da Vinci's bold parachute design.

[Educational Message: The risks we take every day can sometimes become meaningful moments of our lives. Taking risks and thinking differently can challenge us to be the best versions of ourselves.]

Airdate: 7/8/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

BLAZING NEW PATHS [NDS124]

Host Danny Seo meets our country's green pioneers, groundbreaking artisans creating from nature and entrepreneurs building businesses with and for animals. First, Danny travels to Oregon and participates in the process of making salt. Salt is created by boiling seawater, allowing it to evaporate to form salt crystals, and then dehydrating it for a few days. Although the finished product seems simple, salt comes in different forms, such as table, finishing and grinding salts. Plus, each can be infused with different flavors, like garlic. Next, Danny uses flowers to create botanical art, and he visits the Dog Café and explores a new way to pick a pet. Then, Danny travels to Rhode Island and participates in the process of harvesting honey. To collect the honey, beekeepers use smoke, which confuses bees, making them more docile; however, beekeepers harvest only the surplus honey and leave enough for the bees to survive. Finally, Danny travels to Oregon and meets the Martinez family, who have been creating hand-crafted leather products since 1962. He helps

make a leather tote and learns how to cut, stamp, sew, and shape the bag and straps. The straps are usually made of English bridle leather, which is stronger and won't stretch.

[Educational Message: Nature is one of the best sources to provide food, art and many ingredients to use in diverse ways. Salt can be cultivated from seawater, and flowers can be used in an expressive way to make art. Nature plays an active role in creating honey-- worker bees fly about 500 miles in their lifetime, using the position of the sun to navigate back to their hives. Products can be tanned naturally by using barks, leaves, berries and roots.]

Airdate: 7/15/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

EUROPE TOP TO BOTTOM [VJG116]

Host Josh Garcia revisits some of his favorite journal entries from his tantalizing tour of Europe. First up, in Stockholm, Sweden, Josh learns to blow glass from a master artisan. Glassblowing dates back 2000 years and made its way to Sweden in 1600 A.D. Next, in Bergen, Norway, Josh takes a bite of a local favorite, the reindeer hot dog, and tastes the local flavor palate that combines the sweet and savory. Lingonberries are used to add sweet flavor to some local dishes. Then, in Barcelona, Josh is blown away by the local castellers who build a massive human pyramid, a cultural tradition that's been performed for over three hundred years and was named Masterpieces of the Oral and Intangible Heritage of Humanity by UNESCO. Finally, in Aix-en-Provence, France, Josh meets a figurine maker who's at the top of his game making *santons*, a craft that dates back to the French Revolution.

[Educational Message: When traveling you can seek out local cultural art forms and practices that are native to that region. Many cultural practices date back thousands of years and sometimes it can feel like you are getting a glimpse at how things were made in the past.]

Airdate: 7/15/2017

Time:

Duration: 30:00

WILDERNESS VET

A VET FOR ALL PETS [WDV116]

On this episode of Wilderness Vet, Dr. Oakley is visited at her home clinic by a 15-year-old Golden Retriever named Rose. Two years ago, Dr. Oakley examined Rose for a growth on her side. Today, the growth has rapidly increased in size, which worries Dr. Oakley that it may be cancerous. Removing the tumor surgically is one option, but for an older dog it's risky a procedure. Dr. Oakley decides to take a biopsy and blood sample to determine whether or not the tumor is malignant or benign. Next, Dr. Oakley is visited by Miracle, a seasoned sled dog with several small growths on his body. After examining the growths, Dr. Oakley decides to take a fine needle biopsy and a blood sample to determine the severity of the lumps. The blood results soon come in to reveal that Miracle's masses are benign. Next, Dr. Oakley heads to Haines, Alaska to the HARK Animal Shelter. Here the shelter's manager, Steve Vick, takes in orphaned and feral animal to find them adoptive homes. Today, Dr. Oakley is coming to help with a feral cat. Next, Dr. Oakley heads to the outskirts of town where some farmers noticed their pigs have a severe itch. Constant scratching and dry scaly skin are symptoms of Sarcoptic mange, a highly contagious disease. The team puts the pigs in a pen and carefully corners them with wood panels, so that Dr. Oakley can safely treat each pig with medication. Dr. Oakley and team finally complete their mission and treat the mange before it spreads further. Since Dr. Oakley is already on site, the farmers want her to take a look at their new piglets. Dr.

Oakley provides exams and vaccines on the piglets, while also separating and neutering the male pigs. Doing this is an important safety measure as the males will eventually grow into massive boars, weighing hundreds of pounds and sporting sharp tusks. Dr. Oakley successfully examines and treats all piglets on the farm.

[Educational Message: Caring for pets and animals can be a rewarding career path. It's important to treat animals with compassion and respect.]

Airdate: 7/15/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

OCEAN OASIS [JDD116]

Join host Dylan Dreyer on a journey to the coastline of Baja California to witness the awesome power of nature and the amazing wildlife struggling for survival in a harsh land. We'll explore the breeding grounds of the mighty elephant seal, ride alongside migrating blue whales, discover the brightly colored beauty of coral reefs, and dive deep with majestic manta rays and hungry sharks. Baja California is a hot, dry peninsula over 700 miles long and located below the state of California. On land, the climate varies considerably from snowcapped mountains to scorching deserts. However, the most influential feature of Baja California is the surrounding ocean, where an oasis of wildlife is waiting to be explored. First, we join a group of biologists and naturalists to discover this ancient land like never before. Here, we'll get a first-hand look at the magnificent Baja sea life such as whales, porpoises, sharks, manta rays, and moray eels. Also, we'll travel to the island of Rasa and witness over half a million migrating sea birds that return to the island every year. Next, we'll meet a colony of elephant seals and learn more about the species and the communities that inhabit the Baja beaches. We'll also discover more about the land mammals and reptiles that call Baja California home. Finally, we join a group of whale watchers to experience an up close and very personal interaction with a gentle giant.

[Educational Message: The seas and the deserts will endure without us, but we cannot survive without them. Our oceans support and sustain all life on Earth, and it's important that we play a part in keeping our waters clean.]

Airdate: 7/15/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

ECO-GROOMING [NDS116]

Host Danny Seo cooks up a healthy shrimp dinner and learns how food, such as ginger and basil, can rejuvenate your body. Ginger can help relieve digestive problems such as nausea, and basil contains disease-fighting antioxidants and properties that can help fight viruses and infections. Next, Danny explores eco-friendly ways to keep your dog healthy and clean. Using eco-friendly shampoos that contain natural ingredients, like coconut oil, instead of petroleum-based surfactants provides greater benefits for a dog's skin. A surfactant is a compound that reduces the surface tension between water and oils. Then, Danny finds new uses for old sweaters-- Americans throw away about 13 million tons of textiles every year. Finally, he creates an all-natural citrus cleaner by combining citrus peels and vinegar.

[Educational Message: Being conscious to incorporate everyday, nutritious ingredients, like ginger and basil, into meals is a great way to ensure overall health and increased energy. Just as you should

maintain your own health, it's important to ensure your pet has a healthy lifestyle as well. Baths provide a great chance to assess the dog's overall condition, check teeth, and wipe out ears and eyes. Finding new ways to repurpose old clothes is a great way to use your imagination and help reduce textile waste.]

Airdate: 7/22/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

TUSCAN FUN [VJG117]

Host Josh Garcia visits Florence, Italy, the birthplace of the Renaissance and kicks the day off by searching for the world's most expensive food with a four-legged expert. Josh takes to the hills to forage for truffles. Then, Josh drops in on a local artisan to learn the fine-artform of marbling paper and he give it a shot. At the city's oldest gelato shop, he learns to make the tasty treat from scratch from a third generation gelato-maker. Gelato is a traditional Italian dessert made from milk, sugar, and eggs. For a grand finale, Josh gets a lesson in opera before catching a show at the birthplace of the art form to see (and hear) how the real pros hit all the notes.

[Educational Message: The sheer beauty of a place can be a striking experience. Noticing the architectural details of old, historic buildings can sometimes feel like a journey into the past.]

Airdate: 7/22/2017

Time:

Duration: 30:00

WILDERNESS VET

ANIMAL AMBASSADORS [WDV117]

On this episode of Wilderness Vet, Dr. Oakley is making her rounds examining the many unique creatures that call zoos and wildlife organizations home. First up, Dr. Oakley and her daughters are heading to the Southeast Alaska Fair to perform veterinarian demonstrations with some of the farm animals. State fairs offer an opportunity to help educate people about animals in a fun community setting. Dr. Oakley takes this time to help educate children about animals such as goats and ponies. Next up, Dr. Oakley heads to the Alaska Zoo to visit a porcupine, named Peggy Sue, in need of some serious dental work. Dr. Oakley first administers a sedative to help calm the porcupine and protect the team from its dangerous quills. After successfully sedating the animal, Dr. Oakley carefully trims the porcupine's incisors. Next, Dr. Oakley is heading to a small family farm, home to an alpaca in need of a foot trimming. After a difficult time restraining the alpaca, Dr. Oakley successfully trims the animal's feet and helps the farmers finish shearing the valuable alpaca fiber. Next, Dr. Oakley visits The Learning Farm, a place where kids can come and learn all about farming in Alaska. The farm's owner recently discovered several unexpected litters of bunnies. Rabbits can have multiple litters in a year, so if they don't find the male rabbit soon, this farm will have more bunnies than it can handle. Dr. Oakley examines all rabbits on the farm and discovers two more pregnant female rabbits. Eventually, Dr. Oakley locates the male culprit and recommends the rabbit be neutered to prevent further litters. Finally, Dr. Oakley is heading to the Calgary Zoo in Canada, where she first started out as an intern. Dr. Oakley's patients are eight baby meerkats that are in need of a general health exam. The goal is to exam the meerkats, draw a blood sample, and microchip them for identification. Dr. Oakley and team successfully treat the patients and all meerkats are given a clean bill of health.

[Educational Message: Zoos and wildlife organizations allow people to get up close and learn about different specie. Keeping these animal ambassadors in good health is always a top priority.]

Airdate: 7/22/2017

Time:

Duration: 30:00

**JOURNEY WITH DYLAN DREYER
PEOPLE OF THE WORLD [JDD117]**

Join host Dylan Dreyer on a tour of some of the most unique, fascinating, and remarkable cultures on planet Earth. We'll visit River People living in the rainforests of the Amazon Basin, explore the nomadic life of Nepali people on the Great Plains of Asia, witness the effects of climate change on the Inuit people of the Arctic, and discover the ancient Massai people on the Serengeti Plains of Eastern Africa. We'll first follow Julio Mamani, the brave medicine man from the Andes Mountains, as he travels thousands of miles to reach the Amazon River. Also, we'll join Harvard University Ethnobotanist Dr. Mark Plotkin, as he, too, looks for life saving remedies along the greatest river in the world. Here we'll learn more about the remarkable connection between the plants and the indigenous people of the Amazon forest. Next, we'll travel to the Serengeti Plains, the last refuge for the greatest concentration of migrating mammals remaining on the planet. We'll witness the arduous struggle for survival against predator and prey, for the diverse wildlife of Africa. We'll learn more about the Massai people, once the most formidable warriors in East Africa, and how they defend their cattle and families with spears to this day. Next, we travel to the arctic to learn more about a group of scientists studying the environment to discover more about the impact of climate change. Using special instruments and monitors, the team can measure the density of the ice and determine the rate at which it's melting. Also, we learn more about the native Inuit tribes that have inhabited the arctic region for many years. Finally, we visit the land of Tibet, which is home to Mount Everest and the highest plateau in the world.

[Educational Message: The world we recognize today is billions of years in the making. By helping to preserve and protect the environment we will leave behind a better world for future generations.]

Airdate: 7/22/2017

Time:

Duration: 30:00

**NATURALLY, DANNY SEO
GOING GREEN & SAVING GREEN [NDS125]**

Host Danny Seo's saving the planet and saving money with ingenious ways to solve pesky household problems, keeping plants hydrated, and saving energy while racking up big bucks. First, Danny creates spider repellent by using essential oils, which are distilled from various parts of plants like seeds, bark and stems. Next, Danny explains that by adding red pepper flakes to birdseed, it keeps squirrels away but doesn't bother birds because birds can't taste red pepper flakes. Then, Danny teaches how to water can travel through twine, making it to be a great way to water your plants while you're away; and he plants beans in re-used egg cartons and yogurt containers to create a mini greenhouse. A greenhouse effect happens when the sun warms the air and soil while the sealed container traps heat and moisture inside. Finally, Danny teaches that using reusable water bottles can help prevent waste that's created by plastic water bottles, and that using surge protectors and LED light bulbs will help save energy.

[Educational Message: A great way to save money is by getting creative and using household products in different ways as a solution for common problems. Spiders detect smell with scent sensitive hairs located on their legs, so incorporating scents, such as lavender, is a great way to repel them. Twine can be used to keep plants hydrated; and red pepper flakes in bird feeders can be a good deterrent for squirrels without affecting birds. Giving items new purposes can help create something unique, save money and prevent waste.]

Airdate: 7/29/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

LITTLE ISLAND, BIG FLAVOR [VJG118]

Host Josh Garcia is ashore in Singapore, the world's only island city-state, and is immersed in the exotic melting pot of people and cultures. At a floating restaurant, he takes on a spicy national dish called Chili Crab. Then, a local actress introduces Josh to handmade flower garlands in the city's Little India district, and Josh seeks out specially beaded shoes as a birthday gift for his niece. First up, Josh travels with a local foodie to a floating restaurant where they are serving up the national dish that, according to local legend, was created in the 1950s by the wife of a fisherman who became tired and bored with eating plain steamed crab. Later, back on the island, Josh visits Little India where he heads to a bazaar and learns to make traditional flower garlands, which play a big role in local Indian culture. Then, Josh heads into town to learn another beautiful handicraft, and later meets up with a local chef to experience Singapore's true melting pot, its street food scene.

[Educational Message: Singapore is a melting pot of Indian, Malay, and Chinese cultures. Visiting a melting pot of cultures can be a great opportunity to see how culture transforms and transcends time and space.]

Airdate: 7/29/2017

Time:

Duration: 30:00

WILDERNESS VET

BIG ANIMALS, BIG PROBLEMS [WDV118]

On this episode of Wilderness Vet, Dr. Oakley revisits some of her biggest patients. First, Dr. Oakley heads to the Yukon Wildlife Preserve to check up on a musk-ox with an unknown illness. Dr. Oakley utilizes a clever technique in order to lure the musk-ox and tranquilize the animal for examination. Dr. Oakley carefully examines the musk-ox's kidneys and provides vaccinations while also retrieving a blood sample. Next, Dr. Oakley heads to meet Doug Twiss at Half Breed Creek Corral, where a herd of wild horses are being cared for. These horses are slated to be moved to a pasture in Alaska, but before they can leave, Dr. Oakley needs to run some blood tests to make sure they're disease free. Next, Dr. Oakley and her daughters, Sierra, and Maya head to a reindeer farm in Anchorage, Alaska to check in on a reindeer suffering from "chipmunk cheeks." This condition occurs when food impacts in the reindeer's cheeks and cannot provide nutrition for the animal. Dr. Oakley removes the impacted food and uses a float to file down the reindeer's molars. Finally, Dr. Oakley visits a local alpaca farm to perform physical exams, vaccinations, and deworming. Viewers will learn more about the unique alpaca and why the non-native species is bred and raised in Alaska. Dr. Oakley successfully examines and treats each alpaca and all are given a clean bill of health.

[Educational Message: We must strive to think big when setting our goals. Life's too short to think small.]

Airdate: 7/29/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER
TROPICAL RAINFOREST [JDD118]

Join host Dylan Dreyer on an exploration of the tropical rainforests of the world. We'll discover a collection of amazing creatures that climb, fly, and slither their way through the deep jungle. We'll meet scientists at the front lines of rainforest conservation, and we'll venture to the tops of the world's tallest trees to connect with animals unlike anything you've ever seen before. First, we'll learn more about our rainforests, such as how they are responsible for nearly 30% of all oxygen on our planet, and how as much as 75% of all species on Earth call our rainforests home. Here, we'll observe and learn more about the many insects, reptiles, and other creatures who inhabit this region and how they adapt for survival. Next, we'll learn about the indigenous groups of people that live within the rainforests. Even today, the government of Brazil believes there as many as 60 uncontacted tribes living in the Amazon rainforests. Next, we'll learn more about the countless mammals that inhabit the forests, like sloths, jaguars, and various primates. Next, we witness the incredible survival skills of the leafcutter ants, witnessing how they harvest leaves and feed them to certain types of fungus. As the fungus breaks down the chewed leaves, the leaves are converted back to food for the ants. Next, we'll follow an ecologist who is studying the canopies of the rainforests. Her goal is to determine the importance of certain plant species thriving in the canopy. It's a dangerous job but a rewarding one as well. Finally, we'll learn more about our own impact on the world's rainforests.

[Educational Message: Protecting our world's natural resources is of utmost importance. We must respect nature and do our part for future generations.]

Airdate: 7/29/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO
BEE KEEPING [NDS118]

Host Danny visits a bee farm, teaches how food can help relieve health symptoms, upcycles bottles into gift boxes, and creates do-it-yourself spider repellent. First, Danny travels to Rhode Island and participates in the process of harvesting honey. To collect the honey, beekeepers use smoke, which confuses bees, making them more docile; however, beekeepers harvest only the surplus honey and leave enough for the bees to survive. Next, he joins Amie Valpone in the kitchen to make cabbage and mango salad and learn about the benefits of using organic produce, which is cultivated without using pesticides or synthetic fertilizers. Cabbage is an excellent source of vitamin K, vitamin C and dietary fiber; and mangos are a good source of fiber, vitamin A and folic acid. Then, he finds new ways to re-use plastic water bottles. Americans throw away approximately 2.5 million plastic bottles every hour. Danny turns old bottles into gift boxes through decoupage, the art of decorating something with paper cut-outs. Finally, Danny creates spider repellent by using essential oils, which are distilled from various parts of plants like seeds, bark and stems.

[Educational Message: Although harvesting honey seems like a simple process, much of the labor is done by the bees. However, we should be mindful of using certain pesticides and the impact it can have on bees--one bee with pesticide on its body can cause widespread destruction in a colony. A healthier diet can help relieve some chronic illness symptoms. You can recycle plastic bottles while also learning a new technique to create a reusable gift box. An easy way to repel spiders is by combining the scents of oils, which spiders dislike, such as rosemary, lemongrass and thyme.]

Airdate: 8/5/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

CAMEO APPEARANCE [VJG119]

Host Josh Garcia is in Campaña, Italy. He sails to Naples and samples the culture of the famous region. First, Josh heads straight to the source, in the countryside, to taste a local delicacy - true buffalo mozzarella. The name mozzarella comes from the Italian verb "mozzare," which means to sever with the hands. Then, on the storied Amalfi Coast, Josh learns how cameos, an ancient form of intricate shell carving, are made. The layers of the shell are shaved, shaped, and engraved to create beautiful pieces of art. Finally, he treks the coast to meet a falconer and his falcon. Josh tries his hand at the noble tradition of falconry.

[Educational Message: Taking an opportunity to learn the process of how things are made can be a rewarding experience. Understanding the process, can make you appreciate the end result that much more.]

Airdate: 8/5/2017

Time:

Duration: 30:00

WILDERNESS VET

ALL ROADS LEAD HOME [WDV119]

On this episode of Wilderness Vet, it's an unusual week for Dr. Oakley. First up, the Doc and her daughter Sierra head to a wildlife park to perform surgery on a Reindeer named Agnes. Agnes suffers from a hernia and has a history of previously failed surgeries. A hernia occurs when intestines are protruding from a weakness in the abdominal wall, interfering with digestion and the animal's overall health. The surgery will require Dr. Oakley to insert a surgical mesh sling into Agnes' abdomen. Here we learn more about the importance of sterilization when performing surgical procedures, especially outdoors. Next, Dr. Oakley heads to the Bird Treatment & Learning center in Anchorage, Alaska to see a great horned owl recovering from an injured toe. However, we soon find out that capturing the animal for its examination is easier said than done. Dr. Oakley carefully immobilizes the owl and begins the examination of the injured toe. After a thorough health exam, Dr. Oakley determines that the bird of prey is ready to return to the wild. The team then successfully relocates the owl back to the wild. Finally, Dr. Oakley uses her day off for a "family clinic" where she'll perform health exams on their family pets.

[Educational Message: All life has purpose. We must always care for the creatures of Earth both great and small.]

Airdate: 8/5/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

THE LAST REEF [JDD119]

Join host Dylan Dreyer on an exploration of coral reefs from around the globe and discover the breathtaking marine life that call them home. From the ocean's smallest creatures, to the largest fish in the sea, we'll come face-to-face with animals that depend upon coral reefs to survive. Next, we learn more about the many species of coral and how they are formed over long periods of time. Also, we'll be introduced to the many marine species that depend on coral reefs for their survival. Here we'll discover the importance of symbiosis among the coral reefs and its marine inhabitants. Finally, we'll witness how coral is adapting to

life in modern human society. Relics of war in the Pacific Ocean are now home to newly formed reefs, slowly transforming overtime. Decommissioned ships are now regularly sunk to encourage the development of new coral reefs. Learn more about how all over the world, people are trying to lend the reef builders a helping hand.

[Educational Message: We must better understand the science behind ocean conservation and the important connections we share with coral reefs. We must do our part to cut carbon emissions drastically and find greener sources of energy and transportation.]

Airdate: 8/5/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

CITRUS SURPRISES [NDS119]

Host Danny Seo makes homemade citrus creations, discovers ways to re-use rice, teaches how to give new life to an old tabletop, and shows different ways to use pickle juice around the house. First, Danny travels to Ojai, California to meet with Victoria Pearson who grows her own citrus and creates fresh ideas to use citrus in everyday ways, such as in citrus almond milk and orange blossom honey. Orange blossom honey is made from bees that gather nectar from orange blossoms, and almond milk is high in iron and riboflavin, both important for muscle growth and healing. Also, almonds contain more calcium than any other nut. Next, Danny uses leftover brown rice to create a completely new meal—eggplant fried rice using sesame oil and shichimi togarashi, which is a spicy blend of seven flavors, including chilies, sesame seeds and citrus peel. Brown rice has more fiber and protein than white rice, and eggplant is a good source of dietary fiber, vitamin B1 and copper. Then, Danny takes an old tabletop and shows how to use wood veneer tape to create designs and patterns to give the table a new, refreshed look. Finally, Danny uses pickle brining juice, which typically consists of water, salt and vinegar, for household purposes, such as: killing weeds, revive hydrangeas, and clean grease from pans.

[Educational Message: You can make your own almond milk at home by combining water and raw almonds and then filtering it through cheesecloth. If you have leftover rice or leftover pickle juice, don't throw it away—it can be re-used in more ways you may not realize. With leftover rice, you can create a new dish by turning it into fried rice; and leftover pickle juice can be used to kill weeds or help some plants live longer, as certain plants respond differently to acidic things. Instead of throwing an old table out, you can redecorate it in a way that also allows you to show your creativity and express yourself artistically.]

Airdate: 8/12/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

ALL THE MARBLES [VJG120]

Host Josh Garcia spends the day ashore in Rome, Italy and heads straight to the Roman Forum to soak in the city's immense history. He learns not only about the history, but the important role of marble in this city's ancient architecture. Then, he carves his name in a marble slab after he learns the technique involved in shaping letters and images, and it isn't as easy as it looks. Then, he steps into the kitchen to learn how to make real Italian gnocchi, which is nothing like the gnocchi he's tried before. Gnocchi are small Italian dumplings made from potato and flour, traditionally served with sauce. Later, Josh joins a class at gladiator school and trains to compete like the ancient entertainers.

[Educational Message: Rome, Italy can feel like a living museum. Artwork and architecture abound and serve as a reminder of the remarkable innovations and triumphs of the past.]

Airdate: 8/12/2017

Time:

Duration: 30:00

WILDERNESS VET

FAMILY MATTERS [WDV120]

On this episode of Wilderness Vet, Dr. Oakley's daughter Sierra is leaving for a three week long guide school where she'll undergo survival training while horseback riding throughout the wilderness. First up, Dr. Oakley and her daughter Willow are visiting a farm to check up on a lame horse. The most common causes for lameness are infection, injuries, or complications resulting from old age. Dr. Oakley observes the lame horse's gait and examines its legs and feet. Next, Dr. Oakley and her daughter Maya travel to the Yukon Wildlife Preserve to check up on some lynx kittens. Dr. Oakley, Maya, and team use nets in order to carefully capture the lynx kittens. This task soon proves to be easier said than done, as the lynx kittens are proving very difficult to catch. However, the team works together and eventually captures the kittens successfully. Dr. Oakley and team will perform physicals, vaccines, and also microchip the kittens. Next, Dr. Oakley is back at the Yukon Wildlife Preserve to perform a pregnancy check on a female bison. First, Dr. Oakley will use a blow gun to tranquilize the bison. This will allow the Doc to safely examine the bison to perform the pregnancy check. The team works together using vehicles to carefully corral the herd in a more suitable area. Next, Dr. Oakley uses an ultrasound to examine the female bison. After a careful exam, it is determined that the bison cow is indeed pregnant. Finally, it's an emotional ending to a long three weeks, as Sierra returns from survival camp and reunites with her loving family.

[Educational Message: Nothing can break the bond of a family. Family is of utmost importance. Together we can help each other accomplish any feat.]

Airdate: 8/12/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

BEST OF SCIENCE [JDD120]

Join host Dylan Dreyer on a journey through some of the most unique scientific discoveries of the last half century. From satellite technology of geosynchronous orbit, to deep ocean exploration along the Atlantic Ridge, to the climate science of Antarctica, we'll reveal the ways science has shaped our modern world. Prepare to learn more about Peleodictyon Nodosum, an ancient and mysterious creature that leaves behind strange fossils. The oldest living fossil on the planet, Peleodictyon Nodosum lived hundreds of millions of years before the dinosaurs. Our journey continues in Winslow, Arizona at the site of Meteor Crater. Here we learn more about the devastating meteorite impact that took place over 50,000 years ago. Scientists discovered the cause of the event was due to a space collision of large meteors. Next, we'll learn more about the varying levels of our earth's orbit such as low Earth orbit, near/middle Earth orbit, and Geosynchronous orbit. With so many objects careening through the same altitude, it's not hard to imagine that some objects may eventually collide. The Kessler Syndrome, first suggested in 1978, is the idea that collisions would eventually create smaller debris that would be hazardous to spacecraft. Finally, we'll team up with a group of scientists that are studying the effect of climate change on the South Pole. Here we learn how the sea ice around the continent waxes and wanes over time. In winter, Antarctica nearly doubles in size and the expanse of coldness effects climate over the entire globe. Next, we see how scientists use core drills to

remove samples from the ice. Finally, we learn about the history of The Antarctica Treaty, an agreement among foreign nations to protect Antarctica as place of peace and science.

[Educational Message: By helping to preserve and protect the environment, we will leave a better world for future generations. Our own space junk, even the smallest wayward nut or bolt, could cause collisions in the future as we further explore space travel. Also, we must limit carbon emissions, for when the levels of carbon dioxide in the atmosphere change, so does the climate.]

Airdate: 8/12/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

PROJECT REPAT [NDS120]

Host Danny Seo upcycles your favorite t-shirts, teaches what is compostable, makes protein rich vegetarian dishes, and creates molded soaps. First, Danny travels to Fall River, Massachusetts to visit a plant that converts old t-shirts into something you can use for much longer—a quilt. Quilting, a craft that dates back as early as 3000 BC, is done when swatches of fabric are cut using a clicker press, which makes shapes out of soft materials, and sewn together using thread--plastic bottles can be melted and then reformed into thread that gets woven together to make upcycled fleece. Next, Danny explains that anything plant-based can be added to compost, and he shows some different, unexpected things that are also compostable, such as pasta, paper towels, post-its, old spices, old toast. Nearly 33 million tons of food waste is sent to landfills every year, but the majority of that is actually compostable. Composting allows decomposed materials to be reused as a nutritious supplement for gardens, lawns and plants. Then, Danny meets with Rebecca French to learn how to incorporate protein into vegetarian dishes by making a sweet potato pie smoothie and peanut butter power bites. Sweet potatoes are high in fiber and vitamins A and C; dates are a good source of energy and are rich in antioxidants; and peanuts are legumes and are more closely related to beans and peas than nuts. A plant-based diet consisting of a variety fruits, vegetable, beans, seed and nuts allows you to get enough amino acids, which transport and store nutrients in the body and are essential for the metabolic process, to combine to make protein. Finally, Danny melts down glycerin soap, which is typically translucent and helps moisturize skin, pours it into molds, and shows all-natural ways to give it color.

[Educational Message: More than 13 million tons of used textile waste is generated each year in the U.S. Instead of throwing away old t-shirts, find other ways to use them, like making a blanket. Anything plant-based can be used to create compost, so before you throw it away, research if it is compostable, as some compostable materials may surprise you. Vegetarian meals can also be rich in protein. You can make homemade soap and add color to it without using artificial dyes by using carrots, beets or chlorophyll, which is a green pigment found in plants.]

Airdate: 8/19/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

DIDGERI-DUDE [VJG121]

Host Josh Garcia sails to the beautiful port of Sydney, Australia and falls for the city in a big way. First, he checks out the local wildlife and learns about the endemic species that inhabit the region. Josh meets some adorable joey kangaroos that easily win him over. The Western Gray, Eastern Gray, and Red Kangaroos are the most common breeds. Then, he heads into town to meet a local foodie and try some decadent desserts that blow his tastebuds away. Josh tries Gianduja, a chocolate hazelnut dessert, and Pavlova, a meringue

custard dessert. Finally, for a truly special experience, an aboriginal cultural guide teaches Josh the techniques to throw a returning boomerang and, later, play the didgeridoo.

[Educational Message: Visiting new places can sometimes remind you of places you've already visited. You might be surprised at how cities across the world from each other might have more in common than you thought.]

Airdate: 8/19/2017

Time:

Duration: 30:00

WILDERNESS VET

ANIMALS OF THE YUKON [WDV121]

For an experienced wildlife vet living in the Yukon, animals like caribou, bison, and musk ox are common patients. But whether it's a simple health exam or a serious procedure, Dr. Oakley knows that the bigger the animal is, the bigger the job will be. On this episode of Wilderness Vet, Dr. Oakley's first stop is at the Alaska Wildlife Conservation Center to check in on some bison calves. There are four bison that appear to be developing slowly. Dr. Oakley fears that parasites may be the cause, so she plans to administer a dewormer. Using a blowgun, Dr. Oakley successfully treats two of the four bison calves with the dewormer. After a struggle to locate the remaining two calves, the team decides to try again another day, so as to not disturb the herd any further. Later that week, Dr. Oakley and team re-attempt to treat the remaining calves. With some persistence, Dr. Oakley successfully darts the bison calves with the dewormer. Next, Dr. Oakley is visiting a musk ox farm to check on two new patients. The Doc will be examining an older male musk ox, and will also be microchipping a young musk ox calf. After carefully separating herself from the calf's mother for her own safety, Dr. Oakley successfully microchips the musk ox calf. Next, Dr. Oakley examines the ailing male musk ox to try and determine what's causing the issues. Dr. Oakley suspects that underlying cause may be an infection. Once the bloodwork comes back from the lab, she'll be able to prescribe the correct antibiotics.

[Educational Message: The secret to success is to never give up. We must be determined and passionate about our goals in order to succeed.]

Airdate: 8/19/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

WILD CALIFORNIA [JDD121]

Join host Dylan Dreyer on a tour of the Golden State. From its gorgeous coastline to its towering mountains, from Death Valley to the Golden Gate Bridge, California is not only the most populated state in America, it's also home to breathtaking wildlife and one of the largest economies in the world. California officially became the 31st state in America in 1850, it is the third largest U.S. state by landmass, and has since become the most populated. Today, the economy of California is so vast, if it were its own country, it would be the 6th largest economy in the world. When Spanish explorers first set eyes on this wilderness, they named the land after a mythical warrior queen, who is said to fly into battle on a giant Griffon. We'll discover more about the Spanish missionaries and how they built a 300 mile long chain of churches and missions in order to bring Christianity to a new world. Next, we'll follow a team of sky surfers as they freefall from an airplane high in the sky. Next, we'll learn how snowboarding was first invented in the late 1960s in the Sierra Nevada mountains and how it's since become a vastly popular recreational activity and Olympic sport. Next, we'll learn more about Yosemite Valley and the history of the giant Sequoia trees. Found

nowhere else on Earth, these Sequoia trees have been rooted in the ground for more than three thousand years and shape the iconic landscape of Yosemite. Next, we'll discover how the Golden Gate Bridge was constructed in 1933 and remains standing to this day. We'll follow engineer Joseph Strauss on his quest to construct the mammoth bridge. Also, learn more about Strauss' obsession with worker safety that initiated the world's first use of the construction hard hat, as well as a steel safety net used for the less sure footed. Finally, we'll learn more about how California is the U.S. leader in producing renewable energy and has produced more solar power than all other states combined.

[Educational Message: We face many challenges balancing the needs of the environment and the needs of a growing population. We must educate future generations so we can all contribute to protecting our natural resources.]

Airdate: 8/19/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

CATTYWAMPUS [NDS121]

Host Danny Seo discovers natural fabric dyes, creates green juice frozen treats, and makes a homemade stain remover. First, Danny travels to Ojai, California to learn how nature can be foraged and used to make natural dyes. Cochineal bugs, a microscopic insect that bores into leaves of cactus can be used to create a red dye. The red color is carminic acid, which the female insects store in their bodies to ward off predators; and 14th century Incas and Aztecs valued the cochineal dye as much as gold. You can change the color of the fabric by dipping it in ammonia, which changes the pH level and, therefore, the color. Next, Danny makes green juice popsicles using cucumbers, celery, water, kale, pineapple, green apple, lemon juice and agave nectar. Cucumbers are high in energy boosting B vitamins; one cup of kale has more vitamin C than a medium orange; and agave nectar is 1.5 times sweeter than table sugar. Finally, Danny teaches how to make homemade stain remover by using dish soap, which cuts grease; hydrogen peroxide, which is basically water with an extra oxygen atom; and baking soda, which brightens fabric.

[Educational Message: Dying fabric is a way to express yourself and give old fabrics a new life. Fabric can be dyed by adding it to all-natural dyes in boiling water—the longer the fabric soaks, the darker it gets. You don't need a bunch of sugar to make dessert. Instead, you can combine vegetables, fruits, and honey to make popsicles--the fruit juices and honey will act as natural sweeteners. Instead of using laundry detergent as stain remover, as it can deteriorate the fibers and also leave residue on clothes, you can create your own at home.]

Airdate: 8/26/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

VOYAGE AROUND THE WORLD [VJG122]

Host Josh Garcia rereads some of his favorite journal entries from his whirlwind voyage around the world. In Valladolid, Mexico Josh is taught the traditional Mayan craft of weaving hammocks while he observes a local craftswoman weaving a hammock. Then, in Marseille, France he learns about the 600-year-old traditional soap that put Marseilles on the map. Josh gets a hands-on experience at a local soap factory where he learns the science behind world-famous Marseille soap. Then, in Genoa, Italy Josh arrives at a basil farm where he learns the secret to the most famous herb grown in the region. Under the guidance of a world champion, he helps make a truly authentic version of pesto that won the Pesto World Championship.

Finally, he meets a living legend who trained under the same master as Bruce Lee and tries his hand at Kung Fu. The art of Kung Fu is said to be thousands of years old and dates back to the legend of Wing Chung, a nun who created the art to conquer an evil opponent.

[Educational Message: Writing down what you experience while traveling can be a great way to remember and reflect on past experiences.]

Airdate: 8/26/2017

Time:

Duration: 30:00

WILDERNESS VET

EARNING THEIR WINGS [WDV122]

When it comes to animals, Dr. Oakley loves each and every one, but some of her favorite memories involve her feathered patients. From majestic eagles and owls with wing injuries, to beautiful ducks and ravens with broken bones, Dr. Oakley finds great joy in helping all these birds recover so they can fly home once again. On this episode of Wilderness Vet, Dr. Oakley first helps a blue and gold macaw with a routine beak and nail trim. Next, Dr. Oakley travels to the Yukon Wildlife Preserve to perform a check up on two eaglets with injured legs. After discovering that both birds had previously suffered fractured legs, Dr. Oakley performs x-rays on the eaglets to determine how well the fractures have healed. When x-rays reveal that the injuries are healed, Dr. Oakley and the Yukon Wildlife Preserve team successfully return both eaglets back into the Alaskan wild. Next, Dr. Oakley's patient is a duck with an infection in her foot. Dr. Oakley examines the duck's foot and determines the animal is suffering from bumblefoot. She will need to perform an x-ray to figure out if the infection has spread to the bird's joint and bone. Dr. Oakley takes this time to teach Sierra more about the x-ray process and how the instrument is used. Finally, at the Bald Eagle Foundation, Dr. Oakley is visiting a Eurasian eagle-owl named Hans. Eurasian eagle-owls are one of the largest owl species in the world. Dr. Oakley needs to take a blood sample from Hans that proves to be easier said than done for the powerful raptor. Eventually, Dr. Oakley successfully takes the blood sample that will be tested to ensure Hans is in good health.

[Educational Message: Persistence is crucial to success. We must have the energy and patience to work hard for our dreams.]

Airdate: 8/26/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

WILD OCEAN [JDD122]

Join host Dylan Dreyer on a tour of South Africa's Wild Coast to discover one of the last great ocean wildernesses and witness the amazing animals drawn here from around the globe. We'll reveal the many threats humans cause to ocean life, meet the proud people who depend on the Wild Coast for food, and learn the ways they're fighting to protect it. Oceans cover more than 72% of our planet but scientists believe less than 5% of oceans have actually been explored. The oceans are home to 230,000 known species but biologists believe the actual number to be closer to 2 million. First, we'll travel to the waters of the Eastern coast of South Africa. Here we'll learn more about The Wild Coast and its diverse ocean ecosystem. Discover more about how humans have overfished oceans and, in turn, devastated marine populations. Next, we'll learn more about the marine life that inhabits The Wild Coast. We'll follow pods of dolphins and whales as they seek their next meals. Also, discover how sardines play a vital role in sustaining marine life and how their populations are greatly decreasing each year. Finally, we'll meet the native people and learn

more about their connection to the ocean and dependence on the marine life. We'll join in on the annual "sardine run" and witness first hand the incredible teamwork needed to catch and harvest the millions of fish.

[Educational Message: Human activity has caused severe damage to ocean habitats and threatens entire ocean ecosystems with collapse. One by one, fisheries have been depleted throughout the world. Discover how the global fishing industry is estimated to be 2-3 times larger than what oceans can sustain. The most powerful and positive environmental changes will come from our individual choices. When we all do our part, big things can happen.]

Airdate: 8/26/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

REAL FOOD [NDS122]

Host Danny Seo makes vegan chocolate silk pie, uses kitchen ingredients to get healthy skin, and discovers how laminate is made. First, Danny visits chef Ann Gentry to learn how to make vegan chocolate pie using ingredients such as silken tofu, also called soft tofu, has a softer consistency than regular tofu. Next, Danny makes a face scrub using rice, banana and coconut milk—the rice acts as an exfoliant; bananas are high in skin hydrating potassium; and coconut milk is high in vitamin C, which helps maintain elasticity of skin. Finally, Danny visits a factory to see how a decorative paper is turned into laminate, which is made of 70% paper. Once the decorative paper is cut, a top layer is added by combining melamine resin and tissue paper, then phenolic resin is added to give laminate its flexibility and bending properties.

[Educational Message: You can create a vegan dessert without adding any artificial sweetener. Using coconut oil and maple syrup is an alternative, healthy way to sweeten a dessert. Instead of buying face scrub, you can save money by making your own at home. Many items you can find in your pantry contain ingredients that can benefit skin health. Laminate can be used in more ways than just on countertops, as it has a flexibility to it. It also has environmental benefits, as 41% of the kraft paper is made from recycled materials.]

Airdate: 9/2/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

PIZZA PERFECTION [VJG123]

Host Josh Garcia embraces Neapolitan culture on a cruise to the port city of Naples, Italy. First, he takes to the streets to learn a traditional dance that for centuries was used as a remedy for sickness. During the Renaissance, the Tarantella was performed together by workers and was said to be a remedy against the ills of everyday life. Then, Josh dives head first into the local cuisine. He heads into town and tries sfogliatella, a delicious pastry he can't pronounce, and learns how it is made. Flaky pastry dough is stuffed with a mixture of ricotta cheese and candied fruit. Finally, Josh takes a lesson in making authentic Neapolitan pizza in the city where it was born. He learns his way around a peel and cooks his pizza in a traditional oven.

[Educational Message: Trying a dish in its original form can be different from the way you might have had it elsewhere in the world. Getting to the root of how something is made can give you a new perspective on the dish across the board.]

Airdate: 9/2/2017

Time:

Duration: 30:00

WILDERNESS VET

MAINTENANCE DAY [WDV123]

For Dr. Oakley, some days are spent performing life-saving surgeries, others involve helping with conservation projects, but most of her days consist of routine exams. As any good veterinarian knows, On this episode of Wilderness Vet, Dr. Oakley's first call will bring her face to face with one of the Yukon's fiercest predators, the wolverine. At the Kroeschel Wildlife Center, Dr. Oakley meets the wolverine that will soon be shipped elsewhere to join a breeding program to further the species. Dr. Oakley will need to sedate the wolverine so that it can be carefully captured and contained for travel. Next, Dr. Oakley heads to the Yukon Wildlife Preserve to help a musk ox suffering from overgrown toe nails. The team must first secure the musk ox in a pen so that they can carefully sedate the animal. Next, Dr. Oakley visits a dairy farm to perform a pregnancy check on a cow named Raspberry. Dr. Oakley completes the internal exam and determines that Raspberry is indeed pregnant. Next, Dr. Oakley heads to another dairy farm to perform an additional pregnancy check. Due to a previously failed pregnancy, the farmer is a bit worried there may be an issue with her cow. Dr. Oakley performs the pregnancy check and determines that all is well and the calf is positioned correctly in the mother's uterus. Finally, Dr. Oakley heads to a ranch to perform tail docking on a herd of sheep. Docking is a common procedure, performed by farmers when the sheep are born, in which they trim the sheep's tails. Without this procedure, the sheep can be susceptible to infection and other health problems. Dr. Oakley carefully and successfully performs the tail dockings on all sheep.

[Educational Message: In life, it isn't always about fixing problems, sometimes it's about preventing them. We rise up by lifting others.]

Airdate: 9/2/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

ZION CANYON [JDD123]

Join host Dylan Dreyer on a journey through one of the wild jewels of the American West: Zion National Park. We'll reveal the history of the proud people who first settled this ancient land and explore the natural wonders of southern Utah. We'll also come face to face with the birds, mammals, and reptiles that inhabit the four unique life zones of Zion: desert, riverbed, woodland, and forest. Zion Canyon is over 150 million years old and was carved by the North Fork of the Virgin River. The first humans began settling in Zion eight thousand years ago and the region became the center of a mystic land. Next, we'll witness recreations of the cliff people ceremonies and learn more about the gods and spirits they worshipped, and feared. We'll learn about how they believed the gods placed guardians to protect the sacred land. Next, we'll follow the first group of European settlers to arrive in Zion Canyon in the mid 1800's. These Mormon missionaries gave Zion Canyon its name, meaning a place of peace, harmony, and devotion to God. Discover more about the first missionaries and their quest explore the unknown realms of the canyon. Next, we'll learn about the rainy season and how flash floods can rip through the canyons without warning. Native populations grew accustomed to these dangers over generations, but many European settlers discovered the hard way. Finally, we'll join some modern day Zion Canyon rock climbing enthusiasts, who soon realize that some cliffs require a bit more skill than others.

[Educational Message: Our National Parks preserve the most beautiful corners of the American landscape for future generations. We must appreciate and respect their natural beauty and fragility.]

Airdate: 9/2/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

RAIDING YOUR FRIDGE AND PANTRY [NDS123]

Host Danny Seo explore unusual ways to use ordinary ingredients, transforms veggies into decadent desserts, makes a do-it-yourself natural cleaner, and creates a hand scrub using products from your kitchen cupboards. First, Danny visits Catherine McCord and learns how to create healthy one-of-a-kind school lunches. Then, he uses tea bags in an unconventional way to make soup. Boiling a tea bag with garlic creates a broth that serves as a good base for soup, plus garlic has high levels of antioxidants, which help clear acne and boost the immune system. Next, Danny makes ice cream using cauliflower, which is rich in vitamins and minerals— one serving contains 77% of the daily recommended intake of vitamin C. Then, Danny teaches how to make a homemade all-purpose household cleaner by using baking soda, castile soap, and hydrogen peroxide. Baking soda is not fully water soluble, making it a good scouring agent; castile soap is traditionally an olive oil based vegan cleaner, which does not contain animal fats; and hydrogen peroxide kills bacteria by destroying their cell walls. Finally, Danny makes homemade, natural hand scrub using lemon and sugar. The lemon helps disinfect and remove germs, while the sugar works as an exfoliant because it's coarse and contains alpha-hydroxy acids, which remove dead cells.

[Educational Message: A great way to ensure you eat a balanced lunch is to include a fruit, vegetable, carbohydrate and protein. You can make more with a tea bag besides a beverage, and ice cream can be healthy--don't be afraid to explore opportunities to use something in new ways. You can save money on cleaning products by creating your own at home using household items. It's important to protect our skin from germs, and by combining lemon and sugar, it creates a homemade, disinfecting hand scrub.]

Airdate: 9/9/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

ELEPHANT-SIZED FUN [VJG124]

Host Josh Garcia cruises to Phuket, Thailand to explore this premier destination. First, he visits an oyster farm to learn how cultured seawater pearls are made. Then, he catches up with a local chef to try a mouthwatering lineup of authentic Thai cuisine. Josh learns the flavor is in the herbs and coconut. Thailand is the world's 6th largest producer of coconuts. Then, Josh visits an elephant sanctuary where he meets two Asian elephants that show off their playful side. These asian elephants are smaller than their African counterparts and are herbivores. Finally, he meets an artisan who introduces him to the ancient art of dyeing fabric, known as batik.

[Educational Message: Taking time to visit a culture that you aren't familiar with can provide you with a global perspective.]

Airdate: 9/9/2017

Time:

Duration: 30:00

WILDERNESS VET

WHEN DOCTOR BECOMES PATIENT [WDV124]

Dr. Oakley loves her job and part of what makes it so rewarding is working with animals and their owners. But after a full week of treating other people's pets, the tables turn when Dr. Oakley's dog, Daisy, needs an operation, reminding this doctor what it's like to be the patient. On this episode of Wilderness Vet, Dr. Oakley first heads to her bi-weekly satellite clinic in Haines, Alaska. Dr. Oakley performs routine physicals, vaccines, and spays and neuters for the local pets. Dr. Oakley's first patient is a Dachshund named Scrappy who is in the clinic to be neutered. The procedure is quick and successful for Scrappy. Next, the doctor visits with a couple of Labradors who had a run in with a porcupine. They will need multiple quills removed from their mouths and faces. After some tense moments, Dr. Oakley carefully and successfully removes the quills on both dogs. Next, an emergency patient is brought into Dr. Oakley's clinic. A dog has severely lacerated its leg on a sharp piece of tin. Dr. Oakley is worried that the injury might have become infected over the past few days. Dr. Oakley performs a surgery to clean the wound and suture the laceration. The dog is also given antibiotics and is currently on the road to recovery. Next, Dr. Oakley and her daughter Willow make a house call to one of their regular patients. The patient is a Labrador named Serku, who has been dealing with a chronic cough for the past couple of months. After reviewing Serku's x-rays, Dr. Oakley notices what may be tumors or abscesses in the dog's lungs. Due to the dog's old age, treatment may not be a viable option. Serku's owner decides to go forward with further diagnostics to potentially help determine the underlying issue. Finally, Dr. Oakley finds herself in an unusual position. Instead of being the doctor today, she'll be taking her pug, Daisy, to another veterinarian for a spaying procedure. After some tense moments, Daisy's procedure is successfully completed. Now, it's back home for Daisy to fully recover with her family.

[Educational Message: Always be open minded and never quick to judge. Patience and understanding are valuable qualities.]

Airdate: 9/9/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

ROCKY MOUNTAIN EXPRESS [JDD124]

Join host Dylan Dreyer through the breathtaking Canadian Rockies and relive the creation of the Canadian Pacific Railway. We'll meet young American railway superintendent William Cornelius Van Horne and retrace the original railroad construction route aboard the majestic steam engine 2816. Witness one of the greatest engineering feats in modern history through a region of stunning natural beauty. In the 1800's, steam engines were powering the Industrial Revolution, connecting people and economies across continents. Steam engines traveled on vast networks of railroads that crossed mountains, deserts, rivers, and canyons. Today, we're on a journey through history to learn how one of the most difficult railroads on Earth snakes its way through the vast wilderness of North America. In the mid-1800's, the government of Canada began an ambitious railway project across the vast mountain wilderness of western North America. In the spring of 1881, the federal government finally began construction and would soon discover just how monumental the task would be. As mile after mile of track was eventually laid, the Canadian wilderness would challenge the brave crews time and time again. Next, we'll learn more about the man in charge of the project, William Cornelius Van Horne. But all of his years of experience couldn't prepare him for the nearly impossible task that lay ahead. We'll also learn more about the many innovations discovered in their time that modern trains and other locomotives still use to this day.

[Educational Message: Hard work and determination can lead to great accomplishments. We must always overcome, no matter how difficult the task.]

Airdate: 9/9/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

LOCAL 360 [NDS125]

Host Danny Seo's saving the planet and saving money with ingenious ways to solve pesky household problems, keeping plants hydrated, and saving energy while racking up big bucks. First, Danny creates spider repellent by using essential oils, which are distilled from various parts of plants like seeds, bark and stems. Next, Danny explains that by adding red pepper flakes to birdseed, it keeps squirrels away but doesn't bother birds because birds can't taste red pepper flakes. Then, Danny teaches how water can travel through twine, making it to be a great way to water your plants while you're away; and he plants beans in re-used egg cartons and yogurt containers to create a mini greenhouse. A greenhouse effect happens when the sun warms the air and soil while the sealed container traps heat and moisture inside. Finally, Danny teaches that using reusable water bottles can help prevent waste that's created by plastic water bottles, and that using surge protectors and LED light bulbs will help save energy.

[Educational Message: A great way to save money is by getting creative and using household products in different ways as a solution for common problems. Spiders detect smell with scent sensitive hairs located on their legs, so incorporating scents, such as lavender, is a great way to repel them. Twine can be used to keep plants hydrated; and red pepper flakes in bird feeders can be a good deterrent for squirrels without affecting birds. Giving items new purposes can help create something unique, save money and prevent waste.]

Airdate: 9/16/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

LIFE'S A BEACH [VJG125]

Host Josh Garcia spends the day ashore discovering Sydney's amazing beach culture. First, Josh surveys the coastal landscape from a seaplane and witnesses some iconic landmarks. Then, he heads to the coast to connect with some chefs and learns that "shrimp on the barbie" is actually a real thing...and it's delicious. Josh digs into his first Australian barbecue on the picturesque coast. Then, Josh tries out the indigenous tradition of natural basket weaving with a local artisan. Finally, he finishes his day on a surfboard. Josh learns the techniques to catch a wave like a pro and stay on the board, for at least a few seconds.

[Educational Message: Taking the opportunity to jump in and try new experiences first hand can build confidence when trying new things in the future. Plus, you might even catch yourself having fun!]

Airdate: 9/16/2017

Time:

Duration: 30:00

WILDERNESS VET

DR. DO-A-LOT [WDV125]

Dr. Oakley's work never slows down and that's just the way she likes it. But this week offers an extra load of patients as she heads out into the field to work with some of the many iconic animals of the Yukon. Dr. Oakley knows that a busy doctor is a happy doctor. On this episode of Wilderness Vet, Dr. Oakley first heads to the Yukon Wildlife Preserve to check in on a caribou bull suffering from numerous growths on its

body. The first step is to sedate the caribou before examining the growths. After a successful sedation, Dr. Oakley examines the lumps and removes a small biopsy for further testing. The test results eventually arrive and prove that the caribou's lumps are not cancerous and are a benign form of warts. This means the caribou will not need surgery and is free to roam with the herd. Back at the Yukon Wildlife Preserve, Dr. Oakley is helping the staff with applying ear tags to a herd of sheep. The team will have to be careful with the sheep and avoid their large horns. Dr. Oakley first sedates the sheep before applying the unique ID tag. Dr. Oakley successfully tags the sheep and also takes the time for a quick hoof trimming as well. Next, Dr. Oakley is visiting a reindeer suffering from a broken antler. Dr. Oakley examines the injury and determines it likely took place during a battle with another bull reindeer. Dr. Oakley decides the best course of action is to remove the broken antler. The team first sedates the bull reindeer so they can safely approach. Then, using her medical instruments, Dr. Oakley successfully removes the broken antler and provides the animal with antibiotics. Finally, Dr. Oakley decides to spend some quality time with her family. The Oakley's end the day with a ride on their all-terrain vehicles and have some messy fun playing in the mud.

[Educational Message: Always do what you're passionate about in life. Love what you do, let the passion drive you.]

Airdate: 9/16/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

WILD AUSTRALIA [JDD125]

Join host Dylan Dreyer on an adventure to the Land Down Under. We'll discover why Australia is home to some of the most unique species on the planet. We'll trek deep into Australia's desolate desert outback and explore its ancient rainforests. And we'll find the remains of a species thought to have been extinct for over 100 million years. Towards the end of 1994, explorers in Australia found a small grove of ancient trees that were remnants of a species thought to have been extinct for 65 million years. It's called the Wollemi Pine and finding this tree was about as likely as finding a small dinosaur wandering through the forest. They are the last survivors of the first trees to ever grow on Earth and are considered one of the rarest living things on our planet. Their location is kept a secret and access is strictly controlled. However, in our modern world, nothing is safe for long. We'll follow a team of researchers as they explore the ancient grove and discover more about the prehistoric plants. Next, we'll learn more about the diverse wildlife of Australia, such as platypus, koalas, and kangaroos. Discover how they adapt to survive and reproduce in the harsh and varying climates of the outback. Then, we'll learn more about the earliest settlers to arrive in Australia, including the birth of a new nation that took place in 1901. Discover how the first humans settled in Australia at least 40,000 years ago. We'll also learn more about the incredible continent and how conservationists are discovering more about ways we can help protect the land and wildlife.

[Educational Message: We must work together to create a better future for our planet. Determination and creativity are crucial to our survival.]

Airdate: 9/16/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

FLORA FORAGER [NDS117]

Host Danny Seo uses flowers to create botanical art. Next, he teaches about the benefits of cooking with steam. Steamed food is not immersed in water, so vitamins and minerals do not seep out; also, steam adds

moisture, so extra oil and fat aren't needed to keep food juicy. Then, he redesigns reusable bags using duct tape. The original duct tape was army green because it was invented during WWII for the military, and it has three layers-- the top layer is plastic, the middle is a fabric mesh, and the bottom layer is rubber-based. Finally, he shows how to enhance the life of fresh cut flowers by using filtered tap water, apple cider vinegar and sugar. Filtered tap water doesn't contain heavy metals and pesticides that may be in unfiltered water, apple cider vinegar helps neutralize bacterial growth in water, and sugar added to water acts as a food for flowers to ensure continued development.

[Educational Message: Nature can be beautiful, but it can also be artistic. Art is all around us-- you don't need paint or brushes to create it. Cooking with steam is a healthy option to prepare food. You can transform reusable bags by giving them a touch of your own personality with duct tape while also adding reinforcement. You don't need a green thumb to keep long lasting flowers-- there are household items that can help keep flowers looking fresh.]

Airdate: 9/23/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

ITALY BY SEA [VJG126]

Host Josh Garcia rereads some of his favorite journal entries from Italian ports of call. The fun begins at a Roman gladiator school where Josh learns the basics of the ancient sport. Josh trains to compete like the ancient entertainers. Then, in Campania, Josh heads out to the countryside to get hands-on with authentic mozzarella cheese. Josh witnesses the cheese making process and sees this science in action. The name mozzarella comes from the Italian verb "mozzare," which means to sever with the hands. Then, he heads to Florence where Josh gets a lesson in opera before catching a show at the birthplace of the art form to see (and hear) how the real pros hit all the notes. Finally, in Genoa, he discovers the age-old tradition of candying fruit. Josh heads to a local factory where he learns the traditional process of candying fruit, which dates back thousands of years to Genoa's maritime culture when candying was used to preserve fruit for long journeys.

[Educational Message: Reflecting on past experiences can reveal things that you might not have noticed in the moment at the time you experienced it. Contemplation can reveal bonus features from your lived experiences.]

Airdate: 9/23/2017

Time:

Duration: 30:00

WILDERNESS VET

UNIQUE FAMILY MEMBERS [WDV126]

In the Yukon, there's no such thing as a common household pet. Whether it's a horse, pig, or donkey their owners love them all the same and Dr. Oakley will give it her all to keep their pets healthy and happy. On this episode of Wilderness Vet, Dr. Oakley first heads to Dark Horse farm to check on a horse with an abscess on its navel. Dr. Oakley discovers additional lumps on the horse's belly that are determined to be a result of cellulitis. Dr. Oakley provides antibiotics and takes blood samples to ensure there are no additional problems causing the condition. Next, Dr. Oakley makes a house call to a new patient and finds a sick donkey named Jane. Dr. Oakley discovers that Jane has a puzzling skin problem and hair loss. After careful examination, Dr. Oakley discovers that Jane has a lice problem. This is not a serious problem and Dr. Oakley prescribes a dusting powder to treat and rid Jane of her infestation. Next, Dr. Oakley is visiting The

Learning Farm, a place where kids can come and learn all about farming in Alaska. The farm's owner recently discovered several unexpected litters of bunnies. Dr. Oakley examines all rabbits on the farm and discovers two more pregnant female rabbits. Eventually, Dr. Oakley locates the male culprit and recommends the rabbit be neutered to prevent further litters. Finally, Dr. Oakley heads to the outskirts of town where some farmers noticed their pigs have a severe itch. Constant scratching and dry scaly skin are symptoms of Sarcoptic mange, a highly contagious disease. In order to treat the mange, Dr. Oakley will have to treat every pig. Dr. Oakley and team finally complete their mission and successfully treat the mange before it spreads further. Since Dr. Oakley is already on site, the farmers want her to take a look at their new piglets. Dr. Oakley provides exams and vaccines on the piglets, while also separating and neutering the male pigs. Doing this is an important safety measure as the males will eventually grow into massive boars, weighing hundreds of pounds and sporting sharp tusks. Dr. Oakley successfully examines and treats all piglets on the farm.

[Educational Message: Work harder than you think you did yesterday. All roads to success have to pass through hard work.]

Airdate: 9/23/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

NORTH AMERICAN ANIMALS [JDD126]

Join host Dylan Dreyer on a tour of the west coast of North America. We'll explore the wild landscape of southern Utah, the breathtaking ocean coastline of Mexico, and the stunning beauty of Alaska. First, we'll discover how Alaskan wildlife face the epic struggle for survival in cold winters and life-giving summers. We'll fly high above the clouds with bald eagles, race alongside caribou, join a pack of wolves hunting for food, and meet people whose ancestors have lived in the wild Alaskan wilderness since the dawn of history. Next, we'll journey through one of the wild jewels of the American West: Zion National Park. We'll reveal the history of the proud people who first settled this ancient land and explore the natural wonders of southern Utah. The first humans began settling in Zion eight thousand years ago and the region became the center of a mystic land. We'll witness recreations of the cliff people ceremonies and learn more about the gods and spirits they worshipped, and also feared. We'll learn about how they believed the gods placed guardians to protect the sacred land. Next, we'll journey to the coastline of Baja California to witness the awesome power of nature and the amazing wildlife struggling for survival in a harsh land. We'll meet a colony of elephant seals and learn more about the species and the communities that inhabit the Baja beaches. We'll get a first-hand look at the magnificent Baja sea life such as whales, porpoises, sharks, manta rays, and moray eels. Finally, we join a group of whale watchers to experience an up close and very personal interaction with a gentle beast.

[Educational Message: Earth has endured without us for millions of years. We must respect and protect our environment to ensure its future for years to come.]

Airdate: 9/23/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

UPCYCLING DIYS [NDS126]

Host Danny Seo shows how to upcycle by making awesome keepsakes with things you already have in your home, crafty ideas to brighten up a room, and transforming a boring bag from bland to glam. First, Danny

shows great ways to reuse VHS tapes by using the tape to make gift bows, upcycles favorite t-shirts into fabric bowls, and re-purposes old building blocks to create a new base for an old lamp. Next, Danny creates unique crafts by upcycling old leather belts and sewing them to create coasters. Sewing is one of the oldest forms of textile art, dating back to the Paleolithic Age. Then, Danny finds a new use for plastic bags by tying them together and crafting them into gifts bows. The U.S. uses about 100 billion plastic shopping bags annually. Finally, Danny redesigns reusable bags using duct tape. The original duct tape was army green because it was invented during WWII for the military, and it has three layers--the top layer is plastic, the middle is a fabric mesh, and the bottom layer is rubber-based.

[Educational Message: Common household items can be reused to create something different and help prevent waste. Reusing old t-shirts to make something else is a great way to eliminate textile waste. Instead of throwing away old lamps, building blocks, belts or plastic bags, use your imagination to create something new—upcycling objects saves money and prevents waste. It’s also a great opportunity to express yourself artistically.]

Airdate: 9/30/2017

Time:

Duration: 30:00

THE VOYAGER WITH JOSH GARCIA

TOP OF THE WORLD [VJG201]

Host Josh Garcia voyages north to Alaska and takes a train to the quaint Alaskan town of Talkeetna, in the shadow of Denali, the tallest peak in North America. Curious about Alaska’s passion for sourdough, Josh first visits a local bakery where he discovers why this celebrated bread is the toast of the town. Sourdough has been traditional in Alaska since the pioneer days, when commercial yeast wasn’t available and a sourdough starter was needed for bread to rise. Sourdough is a culture and a naturally occurring yeast. Then Josh takes a flightseeing tour of Denali and explores one of its magnificent glacial peaks. Denali National Park is 6 million acres, and the Denali summit is 20,310 feet. Then, a team of Iditarod sled dogs takes Josh for the ride of his life!

[Educational Message: Across generations, cultural practices and traditions can transform and take on new functions to adapt to modern practices and ways of life. In time, something that once felt outdated could later feel significant again under a new use in modern culture.]

Airdate: 9/30/2017

Time:

Duration: 30:00

WILDERNESS VET

ONE TOUGH DOCTOR [WDV201]

For Dr. Oakley a hectic schedule is a regular part of the job, but this week is sure to push her to her limits. When her daughter applies to an out-of-town school, Dr. Oakley must find a way cope with her changing family while still caring for her many patients. First, Dr. Oakley visits a herd of thornhorn sheep in need of identification ear-tags. Here we learn more about the agile and sure-footed nature of the thornhorn sheep species. Next, Dr. Oakley visits a very large and ailing potbellied pig. After a quick hoof trimming and checkup, Adventure Pig is now on the mend. Next, Dr. Oakley visits Patches, a dog with an extremely aggressive skin infection on his paws. Dr. Oakley suspects Patches is suffering from an autoimmune disorder. Here we learn about how there are many different types of autoimmune disorders, and how they are often difficult to treat. Dr. Oakley prescribes a series of antibiotics and steroids that soon lead to a full recovery for Patches. Finally, Dr. Oakley finds out that her daughter, Maya, is accepted to an out-of-town

music, arts, and drama summer program. Dr. Oakley and Maya share a special moment together as her mother tells her the exciting news.

[Educational Message: When the going gets tough, the tough get going. When we are faced with adversity, we must always stay focused on our goals and push ourselves to overcome any obstacle.]

Airdate: 9/30/2017

Time:

Duration: 30:00

JOURNEY WITH DYLAN DREYER

FLIGHT OF THE BUTTERFLIES [JDD201]

Join host Dylan Dreyer on an epic natural history detective story. We'll follow Dr. Fred Urquhart over his 40-year career as he works to discover the secrets of monarch butterflies-- and reveal the most incredible animal migration on Earth. From the forests of central Mexico to the mountains of Canada, this is an experience like you've never seen before. First, we'll learn how Dr. Urquhart's fascination with monarch butterflies soon lead to an incredible group effort to discover more about the species and its migration patterns. Next, we'll take a closer look at the monarch butterfly species and learn about the stages of metamorphosis that occur throughout its lifespan. Then, we'll learn how Dr. Urquhart and his team came up with a clever solution to use grocery store stickers as identification tags for monarch butterflies. Word quickly spread about this experiment and many others across the United States soon joined the effort to tag monarch butterflies. Finally, Dr. Urquhart travels to central Mexico where he discovers indisputable evidence of the monarch butterflies' incredible journey. Their lifelong experiment revealed a monarch migration that covers over 4,800 miles from start to finish.

[Educational Message: Teamwork is necessary for great achievement. When we work together as one, we can accomplish almost any task.]

Airdate: 9/30/2017

Time:

Duration: 30:00

NATURALLY, DANNY SEO

SUCCULENTS IN THE CITY [NDS201]

Host Danny Seo learns about succulents, discovers ways to make snacks using food that's typically thrown in compost, and upcycles old CDs and DVDs. First, Danny visits a nursery to learn about succulents, which require little care and are easy to grow because their leaves retain water and they have shallow roots. The word "succulent" comes from the Latin word "sucus," which means juice or sap; and there are over 10,000 species of succulents, which can live indoors or outside. Next, Danny uses banana peels, which are rich in magnesium and potassium, and watermelon rinds to create unconventional snacks by making tea and pickling. Pickling is the process of preserving food by either anaerobic fermentation in brine or immersion in vinegar. Then, Danny finds ways to re-use old DVDs and CDs, which are made of hard to recycle #7 plastic, by making a mosaic tray and dumbbells. The earliest known examples of mosaics were found in Ubaid, Mesopotamia, dating back to the 3rd millennium B.C.

[Educational Message: You don't need a green thumb to have plants. Some plants, like succulents, can live indoors or outside and require little watering, which are easy to maintain during a busy school week. Before you throw something in the compost, explore other methods to use it, such as making tea or pickling. Just because something is out of date, doesn't mean it has no purpose— get creative and find a way to upcycle it, like using CDs as dumbbell weights.]

For 3rd Quarter 2017
July 1, 2017 – September 30, 2017

THERE WAS NO OTHER PROGRAMMING FOR THE 3RD QUARTER 2017 THAT CONTRIBUTED, AS PART OF NBC'S OVERALL PROGRAMMING, TO SERVE THE EDUCATION AND INFORMATIONAL NEEDS OF CHILDREN 16 AND UNDER.

NBC NETWORK NON-BROADCAST EFFORTS

July – September, 2017

NBCUniversal's *The More You Know* website:

Since 1989, *The More You Know* has brought the nation's most important social issues to the forefront, and remains a trusted voice for sharing knowledge to improve lives and inspire action. *The More You Know's* comprehensive website (themoreyouknow.com) includes in-depth resource and referral information on the campaign's important focus issues including:

- HEALTH – fighting childhood obesity, encouraging nutrition and physical fitness
- ENVIRONMENT – encouraging everyday actions that reduce environmental impact
- EDUCATION – recruiting new teachers and promoting their long-lasting impact
- DIGITAL LITERACY & INTERNET SAFETY - sharing online safety tips and information
- DIVERSITY – embracing differences and promoting inclusion, tolerance and respect

Also featured on site is The More You Know Learning series' *Growing Up Online*, a free eBook on digital literacy and Internet Safety. *Growing Up Online* is an important tool to initiate conversation with children about online safety. The eBook is a media-rich, two-part learning resource that provides easy-to-use information about navigating the digital world in a unique and engaging way. Part one includes safety tips, discussion questions and key takeaways for parents and teachers. Part two features four entertaining video comic books for children, focused on real situations that come up when kids go online.

Additional content on the site includes public service announcements, behind-the-scenes videos, a general overview, a talent directory, and a list of the campaign's accolades such as the prestigious Emmy and Peabody awards.



JUSTICE NETWORK TELEVISION

Educational/Informational Programming

3rd Quarter 2017

The following memo details Justice Network's Educational and Informational programming compliance in the 3rd quarter of 2017. All programs are designed to meet the educational/informational requirement for children thirteen to sixteen years old. The programs are not subject to commercial limitation.

Justice Network did not pre-empt any childrens programming on a national basis at any time during the quarter.

July 2nd, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

July 9th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

July 16th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

July 23rd, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

July 30th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

August 6th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

August 13th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

August 20th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

August 27th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

September 3rd, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

September 10th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

September 17th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET

September 24th, 2017

Wild Wonders: 10-10:30am ET
Walking Wild: 10:30-11am ET
Wild About Animals: 11am-1pm ET



Dear Station,

Pursuant to the Children's Television Act of 1990, "WILD WONDERS 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 WONDERS 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 profiles rare and exotic animals and the unique aspects of each of these amazing creatures.

"WILD WONDERS 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 WONDERS AT THE SAN DIEGO ZOO" does not display any Internet web site address or host selling during or adjacent to the program, and is otherwise in compliance with Sections 73.670(a) through (d) of the Commission's Rules.

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

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

Sincerely,

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, "WALKING 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. "WALKING WILD 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 explores the world of wild and exotic animals, how they live and are cared for at the San Diego Zoo.

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

Alex Paen
President, Telco Productions, Inc.



STEVE ROTFELD PRODUCTIONS
FCC OBJECTIVE LETTER

TO: PROGRAM DIRECTORS
FROM: FERN ROTFELD / CAROL BROOKS / BRUCE GENTER / MATT JAY
DATE: JUNE, 2017
RE: **“WILD ABOUT ANIMALS” - FCC OBJECTIVE LETTER**

“WILD ABOUT ANIMALS” is a half-hour weekly animal magazine series. The show is hosted by the Emmy-award winning actress Mariette Hartley. Mariette has committed herself to fighting for the rights of animals for over 20 years.

This series is produced for children 16 and under (**specific target audience is 13-16**). As the producers of **“WILD ABOUT ANIMALS,”** it is the objective of Steve Rotfeld Productions, Inc., to educate and inform children, specifically in the target age group, by bringing them entertaining and interesting stories about the world’s most fascinating animals. Each episode will consist of four (4) different stories designed to teach children about both exotic and unique animals, as well as to educate them further about animals they see everyday.

We provide a written synopsis of each episode for your FCC Children’s Television Report. These write-ups will be e-mailed to your station 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