



Ted Alejandre, County Superintendent

San Bernardino County  
Superintendent of Schools  
*Transforming lives through education*



**Thursday, June 4**  
**1:00pm**

**Andes, “Kingdoms of the Sky”**  
**4<sup>th</sup> – 8<sup>th</sup> grades.**

Experience the astonishing natural life found in the world's longest mountain range, where pumas hunt guanaco, shape-shifting frogs hide in remote cloud forests and descendants of the Inca build bridges of grass.

**After watching this episode, choose from the following questions and/or tasks to extend your learning**

### **Question Box 1**

- Which details support the key idea? Look for the who? What? When? Where? Why? How much? How many?
- What is the central message in this program? Explain?
- What are the program's supporting claims that support the central message?
- What is the world's longest mountain range and where is it located?
- What is a guanaco and where is it in the food chain?
- Describe the cloud forest.
- How are grass bridges built?
- Describe the shape-shifting frogs. Why are they given this name?
- What skills must the mama puma use to hunt her prey, the guanaco?
- Describe the engineering masterpiece of Machu Picchu.
- The Atacama Desert is home to the salt flat lizard, how is this creature so perfectly adapted to this arid world?
- How can spectacled bears go for months without drinking water?
- What makes the glacier bird so unique?

### **Question Box 2**

- What did you find most interesting and why?
- How much did you know about the subject before we started?
- How do you feel about this program? Why?
- What did you enjoy about this program?
- Do you think creating bridges from grass help the descendants of the Incas keep their culture and traditions alive? Why or why not?
- Would you like to travel to the Andes? Why or why not?
- Think about some of the animals that live in the Andes, what makes them extraordinary?
- Think about the people that make the Andes their home, what makes them remarkable?

***Continued on the next page...***

### **Box 3 (Tasks)**

- Write a brief summary for your favorite segment in this episode. Include a main idea and at least three supporting details from the show. Close with a conclusion.
- Draw a food chain or food web that includes the puma, the guanaco and other predators or prey.
- From the driest desert in the world to cloud forests, plot the elevation of each and everything in between. Note the animals that live at each elevation. Describe each animals' adaptation that helps them to survive in that elevation.

### **Box 4 (Enrichment)**

- Plan a trip to the Andes. Determine what time of year you will travel, what type of clothing and materials you will pack and what you will do while there.
- Create a travel brochure for the Andes mountains. Investigate the types of flora and fauna that a traveler may see and include them in your brochure.

### **Box 5 (Extend/Real-Life)**

- There are many careers that help protect endangered animals from becoming extinct. Consider which one of these you would be most interested in and talk about why it would be the best match for you. You may use these phrases: "I think.. I would... and others of your choice) (ELD)
  - Wildlife Veterinarian - Not all veterinarians work with household pets. Some specialize in treating wild animals. For example, imagine helping ducks who have been harmed in an oil spill or caring for an injured raccoon at a rehabilitation facility.
  - Wildlife Forensic Scientist - Wild animals can be the victims of crimes, and someone has to investigate those crimes to ensure they don't happen again. Since animals can't speak for themselves, forensic evidence can make or break a criminal investigation. Forensic scientists gather evidence and analyze it in order to help with animal crime investigations.
  - Conservation Officer - Conservation officers act as law enforcement for the protection of fish and wildlife. The work involves making sure that wild animals and people can safely share parks and other outdoor spaces.
  - Wildlife Rehabilitator - Wildlife rehabilitators treat wild animals who have been injured or orphaned. The end goal of their work is to release those animals back into the wild.
  - Wildlife Photographer - Wildlife photography is increasingly being recognized for its potential role in animal conservation. That's because sharing striking photos can help raise public awareness of species that are hovering on the edge of extinction.
- Nature is a great place to practice mindfulness activities. One great mindfulness activity is cloud watching. The next time you are outside find a quiet place and watch the clouds. See if they move. What kind of images can you see in the clouds? When you are done, draw pictures of some of the cloud images you see.



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