Tuesday, March 24

1:00pm   **Wild Archaeology #102 "Land of the Giants"
(Indigenous programming) - 4th – 8th grade**

Jen and Jacob fly to Whitehorse to learn from an esteemed Paleontologist about the woolly mammoths, giant beavers and other megafauna that co-existed with the Ancient Peoples of the Yukon. Then they venture further north with Dr. Rudy to join their first dig at Little John, one of the most exciting archaeological hotspots of the western sub-Arctic.

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

- What do Jen and Jacob learn about woolly mammoths and giant beavers?
- What is megafauna? Give three examples.
- How did megafauna coexist with the Ancient peoples of the Yukon?
- Describe the dig at Little John. Why is this one of the most exciting archeological hotspots of the western sub-Arctic?

- Do you think that it was difficult for the ancient peoples of the Yukon to coexist with the megafauna that shared their environment? Why or why not?
- What about the megafauna? Do you think life was easy or difficult for them? What makes you think that?

- Compare the size of a woolly mammoth to an African Elephant, use four measurements (i.e. trunk, ear, total weight, etc.).
- Using the information in question above, create a table of your findings. Is there a correlation or relationship between the two animals? How do you know?

- What do you think happened to the megafauna in the Yukon, causing its extinction? Read https://www.washingtonpost.com/news/energy-environment/wp/2015/07/23/humans-may-be-off-the-hook-for-mammoth-extinctions-say-scientists/ to learn about one theory.
- Design an animal. Use Switch Zoo https://switchzoo.com/. Choose a habitat and diet; identify its structural and behavioral adaptations and how they assist in its survival.
- Discuss how this same process can be used backwards when we look at fossils to make guesses about what kind of environment an animal lived in. Use convincing reasons: First of all, Second, In addition, Furthermore, In conclusion) (ELD)

- 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 that 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.