

Science Sleuths - A SCI-FI Science Adventure

Star Quest

Episode 5

As the light fades, you look around to see where the time machine has taken you. Ancient Greece, cool! Look, another note from Professor Evan!

"The time machine has brought you to ancient Greece in the year 150 BC to visit the famous astronomer, Ptolemy! Ptolemy is responsible for much of our modern astronomy and how we see the constellations. I have told Ptolemy that you can help him find the constellations for him to properly map them for his book he wants to publish!"

-Professor Evan

Use the tools provided to you by Professor Evan to help Ptolemy find the constellations in the sky! If you are going outside at night, remember to go with a trusted adult or older sibling!

Grades K-4: **Star-gazing Scavenger Hunt.** Can you find the constellations in this scavenger hunt? If you're having trouble try using the map on page 2!

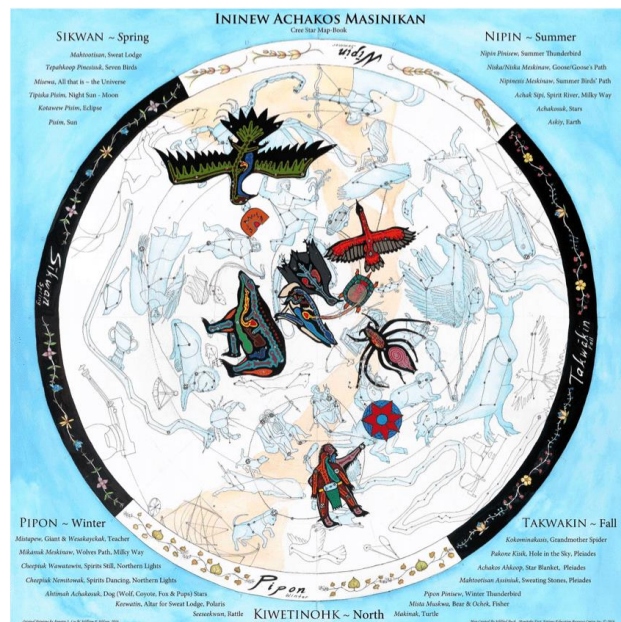
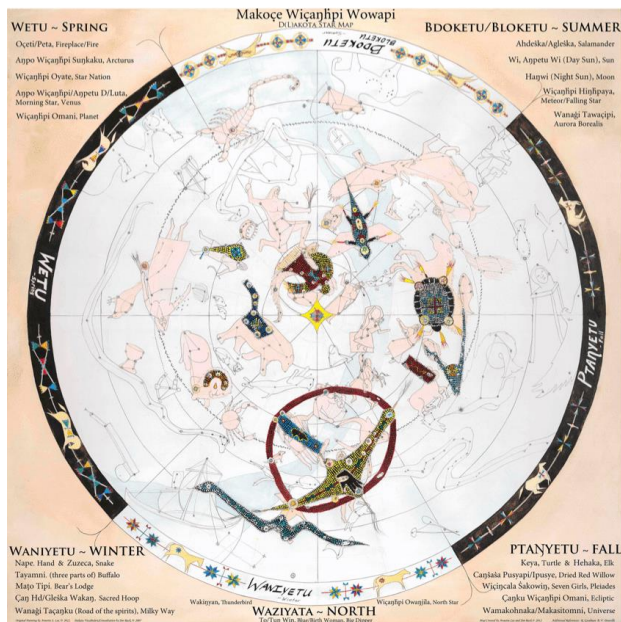
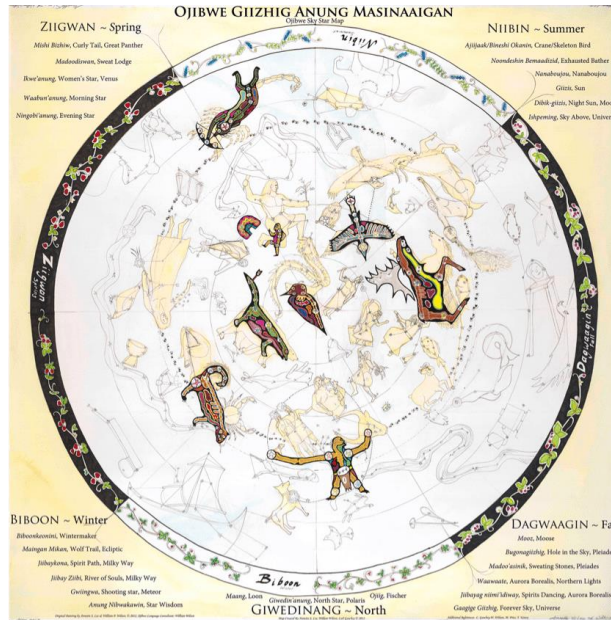
Grades 5-8: **Nasa Star Finder.** Using the attached instructions build a star finder for the month of May!

If you'd like even more constellations to find, check out the Cree and Dakota/Lakota star maps at the end of this document.

Now that you've helped Ptolemy find the constellations for his book the time machine is ready to take you on your next adventure! It's time to return to Marshdale!

To be continued...

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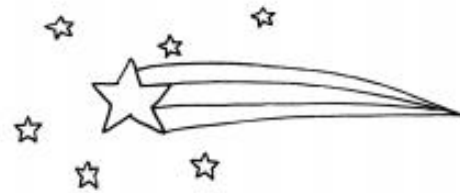


(From top to bottom, left to right) star maps from Ojibwe, Dakota/Lakota, and Ininew/Cree First Nations. Credit: Wilfred Buck © 2016, Annette S. Lee, William P. Wilson, Carl Gawboy, © 2012, Annette S. Lee & Jim Rock © 2012, and Annette Lee, William Wilson

To view these online go to: <https://www.sciencefriday.com/articles/indigenous-peoples-astronomy/>

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Star Gazing Scavenger Hunt



Can you find the moon?

What shape is it right now?



New moon



Waxing Crescent



First Quarter



Waxing Gibbous



Full Moon



Waning Gibbous



Last Quarter



Waning Crescent

Ursa Major

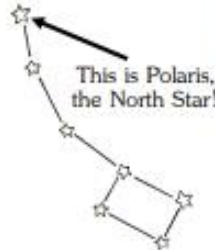
Big Dipper
Great Bear



Found it!

Ursa Minor

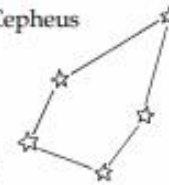
Little Dipper
Little Bear



Found it!

Cepheus

Named for the Greek King Cepheus



Found it!

Cassiopeia

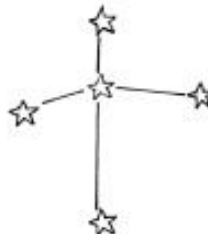
Named for the Greek Queen Cassiopeia



Found it!

Cygnus

Swan



Found it!

Lyra

Harp



Found it!

Corona Borealis

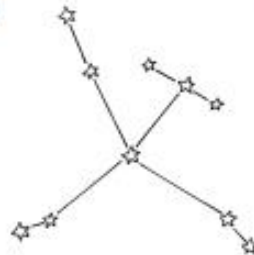
Northern Crown



Found it!

Aquila

Eagle



Found it!

Virgo



Found it!

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Northern Hemisphere Summer Sky

