Activity 13: Tree Cookies

What is the age of a tree?

Materials

• **Science Nation - Lord of the Tree Rings**
https://www.youtube.com/watch?v=FAOYkx8E-Gc

• **Life of a Tree** (Note: You need flash to view this website,)
https://www.arborday.org/kids/carly/lifeofatree/

• **Wonderville Tree Cookie** (Note: You will need your Wonderville username and password to view this page.)
http://www.learnalberta.ca/content/wontg/html/index.html

• **Tree Cookies!**
http://www.idahoforests.org/cookie1.htm

Instructions

1. Watch the YouTubeVideo: *Science Nation - Lord of the Rings*.

2. Read the information on this single page - *Tree Cookies!*

3. To practise tree ring analysis, visit the *Life of a Tree* website. Follow the links at the bottom of each page. Read all pages carefully. Then, complete the *Tree Ring Study* on the last page. You must get everything correct before you submit the report, so keep trying!

4. Visit the *Wonderville Tree Cookie* website. Click the "Take the Tour" button. You will be taught about various tree growth conditions that can affect how tree cookies look. Give close attention during the tour. Play the tree cookie game at the end of the tour. Use all the tree cookies in the game.

Challenge!
Go outside to investigate trees in your community. Look for trees that have been cut for some reason, are dead, or have been cut into firewood. You will need to find a cut piece so that you can count the tree rings.

Safety Warning: If you need to cut a sample from a fallen tree, do not cut any tree yourself.

Ask an adult to help you.

When you have a sample with clear tree rings, take a digital photo of the rings. Then, use explain how old the tree was, and what you think its growing conditions were.