**Unit 3 Notebook: Weather Watch**

 **Activity 7: Hey Sun, What's Your Angle?**

*What effect does the angle of the Sun have on weather?*

# Resources

* **What Causes Earth's Seasons?**

https[://www.youtube.com/watch?v=3eFqZWX8n](http://www.youtube.com/watch?v=3eFqZWX8nTo)To

# Why Earth Has Seasons

[https://www.youtube.com/watch?v=EPJ\_HUcg8LO](http://www.youtube.com/watch?v=EPJ_HUcg8LO)

# Mechanism of the Seasons

[https://www.youtube.com/watch?v=WLRA87TKXLM](http://www.youtube.com/watch?v=WLRA87TKXLM)

# Instructions

1. Watch the YouTube Video: What Causes Earth's Seasons?
2. Watch the YouTube Video: Why Earth Has Seasons.
3. Watch the YouTube Video: Mechanism of the Seasons.
4. Choose one of the following three options:
* Option 1: Make your own YouTube video to explain why we have winter and summer seasons in Alberta. Use a large ball to represent Earth and a flashlight to represent the Sun. Be sure you explain why winter and summer occur in Alberta.
* Option 2: Use Google Drawing Doc, graphics software or paper and pencil to make a diagram that models the summer and winter seasons in Alberta. Be sure your diagram includes images of Earth, the Sun, and arrows that represent the rays of the Sun.
* Option 3: Use materials you have around the home to build that model that explains the summer and winter seasons in Alberta. Be sure your model includes a representation of Earth, the Sun, and rays of sunlight. When you have completed your model, take a digital photo of it and upload it to [https://www.flickr.com/.](http://www.flickr.com/)

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