



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=3eFqZWX8nTo>

- **Why Earth Has Seasons**

https://www.youtube.com/watch?v=EPJ_HUcg8L0

- **Mechanism of the Seasons**

<https://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/>.

Seasons