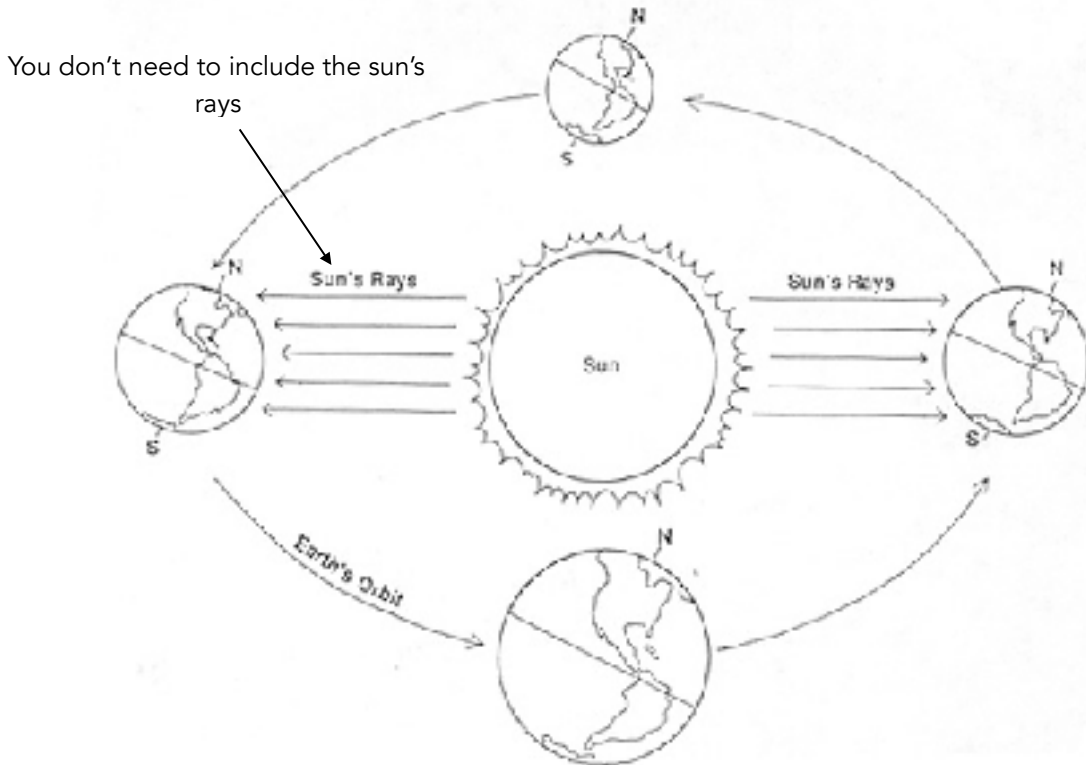


The Earth, Sun and Seasons

Poster Assessment - Use the diagram (or one of your own) to model the Earth's revolution around the sun. Use a large piece of construction paper. Make sure to leave enough space on your paper for the writing.



Use these dates on your diagram
3/20
6/21
9/22
12/21

Label the following on each Earth:

Northern Hemisphere

- Summer Solstice
- Winter Solstice
- Spring Equinox
- Fall Equinox

Southern Hemisphere

- Summer Solstice
- Winter Solstice
- Spring Equinox
- Fall Equinox

Explain the following in text boxes:

❖ = 1 text box or area of the poster

❖ Why we have seasons (1)

- 🕒 the tilt of the earth's axis
- 🕒 hours of sunlight
- 🕒 angle of sunlight
- 🕒 energy from the sun

❖ Compare and Contrast the solstices and equinoxes

❖ Earth Day (rotation or revolution)

❖ Earth Year (rotation or revolution)

Standards and Rubrics

Earth in Space: show understanding of the cyclic patterns of the Earth - Sun - Moon system

Highly Proficient	Proficient	Close to Proficient	Developing
<input type="checkbox"/> Daylight hours and sun angle are used as evidence. <input type="checkbox"/> Data is used as evidence.	<input type="checkbox"/> Clear, correct explanations for the seasons <input type="checkbox"/> Supporting information is complete and correct. <input type="checkbox"/> A clear connection is made between the seasons and the Earth's orbit around the Sun.	<input type="checkbox"/> Axial tilt is mentioned. The effect of at least attempted. <input type="checkbox"/> Some knowledge of the seasons is explained. <input type="checkbox"/> includes some misinformation <input type="checkbox"/> explanations need more evidence and detail.	<input type="checkbox"/> Axial tilt may be mentioned. <input type="checkbox"/> Little to no knowledge of seasons and the Earth's revolution. <input type="checkbox"/> not attempted

Science and Engineering Practices: Developing and Using Models

Highly Proficient	Proficient	Close to Proficient	Developing
<input type="checkbox"/> Diagrams and labels enhance the understanding of the information. <input type="checkbox"/> Use of text boxes adds to the quality of the model.	<input type="checkbox"/> Poster is of final draft quality : organized, neat and complete and includes color and/or advanced shading <input type="checkbox"/> Diagrams and labels are correctly marked and formatted. <input type="checkbox"/> Model accurately represents Earth's orbit around the sun	<input type="checkbox"/> The poster has missing or incorrect parts <input type="checkbox"/> Diagram has missing or incorrect parts <input type="checkbox"/> Some labels are missing.	<input type="checkbox"/> diagram is missing, mostly incomplete and/or does not represent the Earth revolution.