Mini-Map for SCI.EE.HS.ESS1-4

Subject: Science
Earth and Space
Grade: 9–12

Learning Outcome

DLM Essential Element	Grade-Level Standard
SCI.EE.HS.ESS1-4 Use a model of Earth and the Sun to show how Earth's tilt and orbit around the Sun cause changes in seasons.	**HS-ESS1-4** Use mathematical or computational representations to predict the motion of orbiting objects in the solar system.

Linkage Level Descriptions

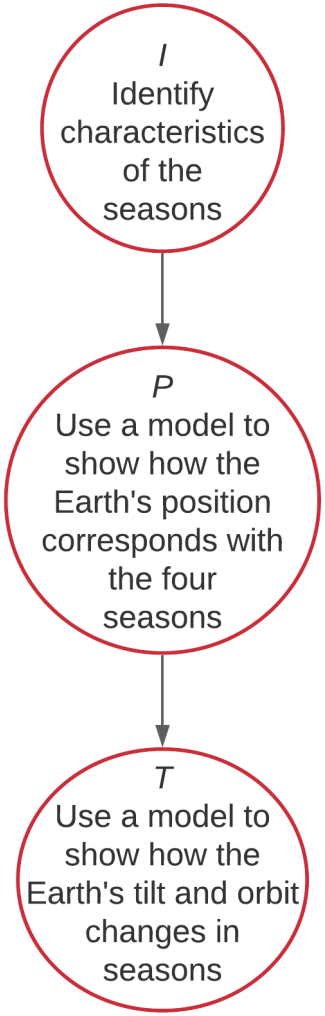
Initial	Precursor	Target
Identify characteristics of the seasons (e.g., warmest or coldest weather, shortest or longest length of day, seasonal appearance of deciduous trees, seasonal activities).	Use a model of the Earth and Sun to show how the Earth's positions in its orbit around the Sun correspond with the four seasons.	Use a model of the Earth and the Sun to show how the Earth's tilt and orbit around the Sun cause changes in seasons.

Instructional Resources

Linkage Level	Instructional Activities
Initial/Precursor/Target	N/A
Connections	
Science and Engineering Practices	Using Mathematical and Computational Thinking
Crosscutting Concepts	Scale, Proportion, and Quantity
ELA Essential Elements	N/A
Mathematics Essential Elements	**M.EE.N.Q.1.3**: Express quantities to the appropriate precision of measurement. **M.EE.A.SSE.1**: Identify an algebraic expression involving one arithmeticoperation to represent a real-world problem. **M.EE.A.CED.2-4**: Solve one-step inequalities.
Released Testlets	
See the Guide to Practice Activities and Released Testlets.	

Link to Text-Only Map

SCI.EE.HS.ESS1-4 Use a model of Earth and the Sun to show how Earth's tilt and orbit around the Sun cause changes in seasons.



Map Key	
I	Initial
P	Precursor
T	Target