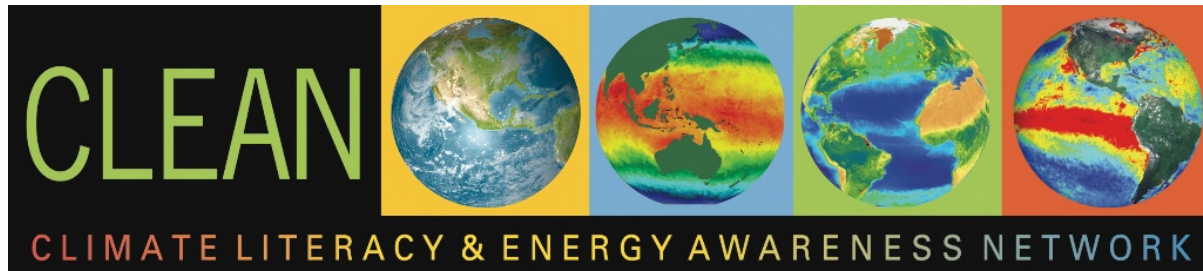


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Register for the "NGSS Climate Education with the CLEAN Collection" webinar on April 13

## **CLEAN STEM Flash**

Climate—Energy—Education

### **Topic: Reason for Seasons**

A Timely Climate and Energy E-Learning Series to Use and Share

CLEAN supports teaching and learning about climate and energy with 600+ free peer-reviewed, scientifically accurate, and classroom-ready resources.

[Browse](#) the CLEAN Collection for NGSS-aligned resources.

### **CLEAN Resource Spotlight:**

#### **Activity: [The Four Seasons](#)**

This activity engages students to investigate what causes the seasons by making a series of kinesthetic 3-D models and reading supporting information.

*Audience: Middle School and above*

*Lesson time: One to two 45-minute periods*

Find more topics related to the [seasons](#) in the CLEAN Collection.

This AAAS Science NetLinks

to length of day during the seasons because the tilt impacts how much of the Sun's energy is received during different seasons at different latitudes.

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### **CLEAN Resource Spotlight:**

#### **Simulation: [Seasons Interactive](#)**

This hands-on visualization explores the relationships between the Earth's axial tilt, latitude, and temperature to build students' understanding of the reason for the seasons.

*Audience: Middle and High School students*

See more resources on the [cause of seasons](#) in the CLEAN Collection.

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This resource from SEPUP displays the distance between the Earth and the Sun, which allows students to see that the Earth is closest to the Sun in winter in the Northern Hemisphere and thus understand that proximity to the Sun does not cause the seasons.

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### **Climate & Energy in the News**

Read LiveScience's article [Here Comes the Sun](#) to learn more about the connection between the first day of spring and the vernal equinox, which occurred on March 20, 2017.

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