

Chapter 4 Web Resources

Module 9: The Unequal Heating of Earth

Teaching Tip: Video (p. 105)

Layers of the Atmosphere, Joshua Kemp

Run time: 13 minutes 26 seconds

<https://www.youtube.com/watch?v=BIQqJUjh38Q>

This video tutorial explains the layers of the atmosphere.

Teaching Tip: Video (p.107)

Earth's Tilt 1: The Reason for the Seasons, MIT+K12

Run time: 5 minutes 38 seconds

<https://www.youtube.com/watch?v=Pgg0LThW7QA>

This video demonstrates Earth's rotation and the Sun's effect at different angles.

Module 10: Air Currents

Teaching Tip: Video (p. 111)

Latent Heat Captured on Video!, Rod Benson

Run time: 3 minutes 31 seconds

<https://www.youtube.com/watch?v=1PcnCWZP7I0>

This video demonstration by Montana science teacher Rod Benson shows temperature increasing as super-cooled water freezes instantly.

Teaching Tip: Engage (p. 112)

Global Maps: Vegetation, NASA Earth Observatory

http://earthobservatory.nasa.gov/GlobalMaps/view.php?d1=MOD13A2_M_NDVI

An animated global map of Earth's vegetation patterns.

Module 11: Ocean Currents

Teaching Tip: Video (p. 119)

Run time: 1 minute 23 seconds

The Thermohaline Circulation (The Great Ocean Conveyor Belt), NASA/Goddard Flight Center Scientific Visualization Studio

<http://svs.gsfc.nasa.gov/cgi-bin/details.cgi?aid=3658>

A silent video animating thermohaline circulation.

Working Toward Sustainability: Is Your Coffee Made in the Shade?

Teaching Tip: Beyond the Classroom (p. 140)

Site Selection: A Land Use Simulation, Foundation for Teaching Economics

www.fte.org/teacher-resources/lesson-plans/eelessons/site-selection-a-land-use-simulation/

Students role-play common environmental dilemmas as community members who must decide where to locate a new school.
