

Angileri 6th Science 1-16-17	Monday	Tuesday	Wednesday	Thursday Substitute	Friday ½ day
GLCE PBIS GOAL: Personal Best	E.SE.06.53 Describe layers of the Earth as a lithosphere (crust and upper mantle), convecting mantle, and dense metallic core.	E.SE.06.53 Describe layers of the Earth as a lithosphere (crust and upper mantle), convecting mantle, and dense metallic core.	E.SE.06.53 Describe layers of the Earth as a lithosphere (crust and upper mantle), convecting mantle, and dense metallic core.	E.SE.06.53 Describe layers of the Earth as a lithosphere (crust and upper mantle), convecting mantle, and dense metallic core.	E.SE.06.53 Describe layers of the Earth as a lithosphere (crust and upper mantle), convecting mantle, and dense metallic core.
CONTENT OBJECTIVE:	SW demonstrate comprehension of convection in the mantle by paraphrasing information in the guided reading exercise.	SW demonstrate application to describe layers of the Earth by constructing the Earth's Layers Foldable	SW demonstrate application of seismic activity and convection currents in the mantle by solving questions using an illustration. A/B Partners	SW demonstrate comprehension of gravity and its forces on/in Earth by explaining vocabulary and content.	SW demonstrate knowledge of gravity and its forces on/in Earth by listing Point/Reason/Evidence from the article.
LANGUAGE OBJECTIVE:	SW write to answer questions about convection in the mantle using sentence stems.	SW write to describe layers of the Earth using content specific information.	SW write to describe seismic activity and convection currents in the mantle using sentence stems.	SW write to describe gravity and its forces on/in Earth using content specific vocabulary.	SW write to retell how gravity and its forces react on/in Earth using content specific vocabulary.
CONTENT VOCABULARY	Seismic Waves, Pressure, Crust,	Basalt, Granite, Mantle, Lithosphere	Asthenosphere, outer Core, Inner Core	Magnetic Field, Radiation, Conduction,	Convection, Density, Convection Current
IN CLASS TODAY:	Complete notes: Earth's Layers Read and discuss Convection in the Mantle p.14-17 Guided Reading	Earth's Layers foldable	Complete Earth's Layer Foldable Seismic Waves Enrichment/Convection Enrichment	Nat Geo Article: Down to Earth Read and discuss Worksheets: Vocabulary Assessment and Assessment Summary	Review Nat Geo Article: Down to Earth Key Point/Reason/Evidence Comprehension Quiz

Target Learning	I can describe the heat transfer related to convection currents in the mantle	I can follow step by step direction to create an Earth's Layers foldable that contains correct details.	I can how seismic waves and convection currents move through the mantle.	I can gather information about vocabulary and content related to the force of gravity.	I can identify key points, reasons and evidence about the force of gravity.
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No Academic Vocabulary this week

Content vocabulary

Mantle,-- The layer of hot, solid material between Earth's crust and core.

Crust,--The layer of rock that forms Earth's outer surface.

Lithosphere,-- A rigid layer made up of the upper most part of the mantle and the crust.

Pressure,-- The force exerted on a surface divided by the area over which the force is exerted.

Asthenosphere, -- The soft layer of the mantle on which the lithosphere floats.

Outer Core,-- A layer of molten iron and nickel that surrounds the inner core of Earth.

Inner Core,-- A dense sphere of solid iron and nickel at the center of Earth.

Magnetic Field,-- areas where an object exhibits a magnetic influence.

Radiation,-- The transfer of energy through space.

Conduction,--The transfer of heat within a material or between materials that are touching.

Convection—The transfer of heat by movement of fluid.

Density,-- The amount of mass in a given space.

Convection Current-- The movement of a fluid, caused by differences in temperature, that transfers heat from one part of the fluid to another.

Earth as a magnet:

I can describe the Earth as a magnet and compare it to an every day magnet.

5 I learned

4 I learned

3 I learned

2 I wonder

1 I know

Convection Currents Questions

What is a convection Current?

In general, what happens to the density of a fluid as it becomes hotter?

Describe how convection currents form?

Name two layers of Earth in which convection currents take place?

What causes convection currents in the mantle?

What will happen to the convection currents in the mantle if the Earth's interior eventually cools down? Explain.