

YOUTH ART PROJECT FOR:

EARTH LAYERS

OBJECTIVE

Students will gain an understanding of the earth's layers.

Set up/prep time:

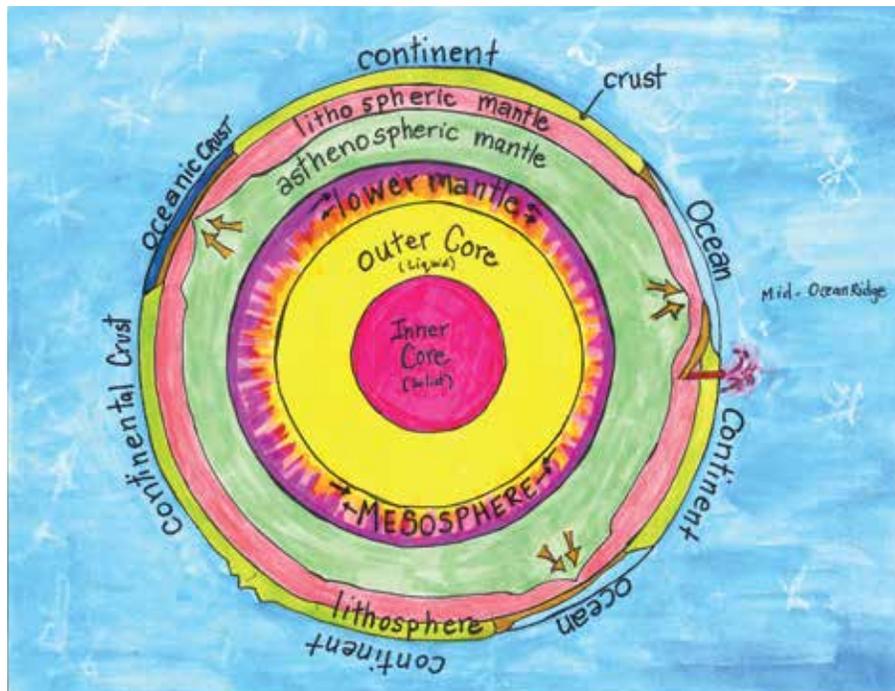
30 minutes

Activity time:

2-3 hours

Materials Needed:

**Black fine point marker, colored markers,
water colors, eraser, paper**





COMMON CORE STATE STANDARD

CCSS.ELA-Literacy.RST.6-8.7 Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).

PRE LESSON ASSESSMENT

Do a pre-lesson assessment to determine what knowledge the students already have about the layers of the earth.

VOCABULARY

Crust, Mantle, Core, Asthenosphere Mantle, Lithosphere Mantle

RELEVANT RESOURCES

Content

https://en.wikipedia.org/wiki/Structure_of_the_Earth
http://www.ducksters.com/science/composition_of_the_earth.php
<http://www.enchantedlearning.com/subjects/astronomy/planets/earth/Inside.shtml>

Art

http://www.windows2universe.org/earth/interior/earths_crust.html
https://upload.wikimedia.org/wikipedia/commons/thumb/b/5/58/Slice_earth.svg/300px-Slice_earth.svg.png
<http://pubs.usgs.gov/gip/dynamic/inside.html>

*“Here is the test to find whether your mission on Earth is finished: if you're alive, it isn't.”
-Richard Bach*

Students will engage in:

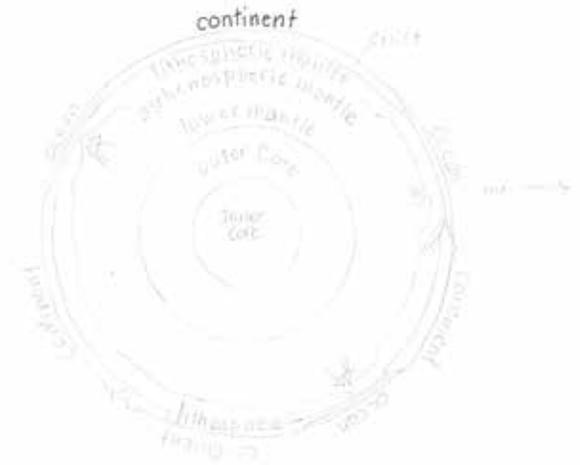
- Listening
- Speaking
- Reading
- Writing
- Partner Work
- Cooperative Learning
- Whole Group Instruction
- Visuals
- Hands on
- Technology Integration
- A Project
- Centers
- Simulations
- Activities





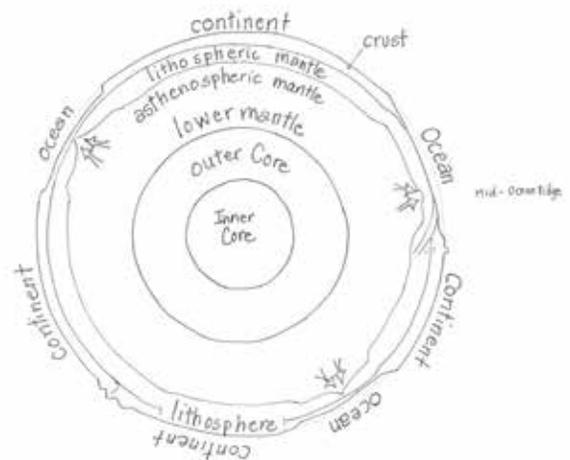
STEP 1

Using a compass have the students draw a large circle in the center of the paper lightly in pencil, this will represent the earth. Have the students then divide their circle so there are five circles within the original large circle. Be sure to have the students try drawing these circles to scale, so the center circle is much larger than the very furthest outer circle. Have the students then label these circles starting from the center and moving outward. They should be labeled as follows: INNER CORE, OUTER CORE, LOWER MANTLE, ASTHENOSPHERIC MANTLE, LITHOSPHERIC MANTLE, and, CRUST. On the outer most layer (the crust) have the students make their circle uneven to represent continents where it is higher up and the ocean where it is lower. The students should label these areas (see example).



STEP 2

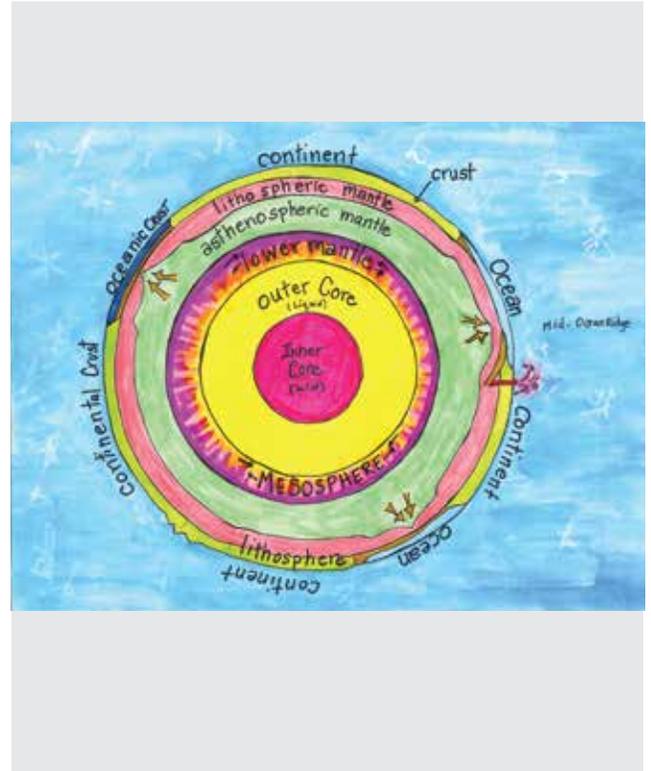
Have the students go over their markings with a black fine point marker or pen.





STEP 3

Have the students color their artwork as they wish. Encourage students to color each layer a different color, so it is easier to distinguish the layers apart. Once their artwork is completed have the students take a few sticky notes and write some details about what they have learned concerning the earth's layers. Have the students then stick or glue their notes to their artwork and share with the class.



POST LESSON ASSESMENT

Do a post assessment to determine what new knowledge the students have gained.

