

6TH GRADE SCIENCE - MODEL OF EARTH'S LAYERS PROJECT

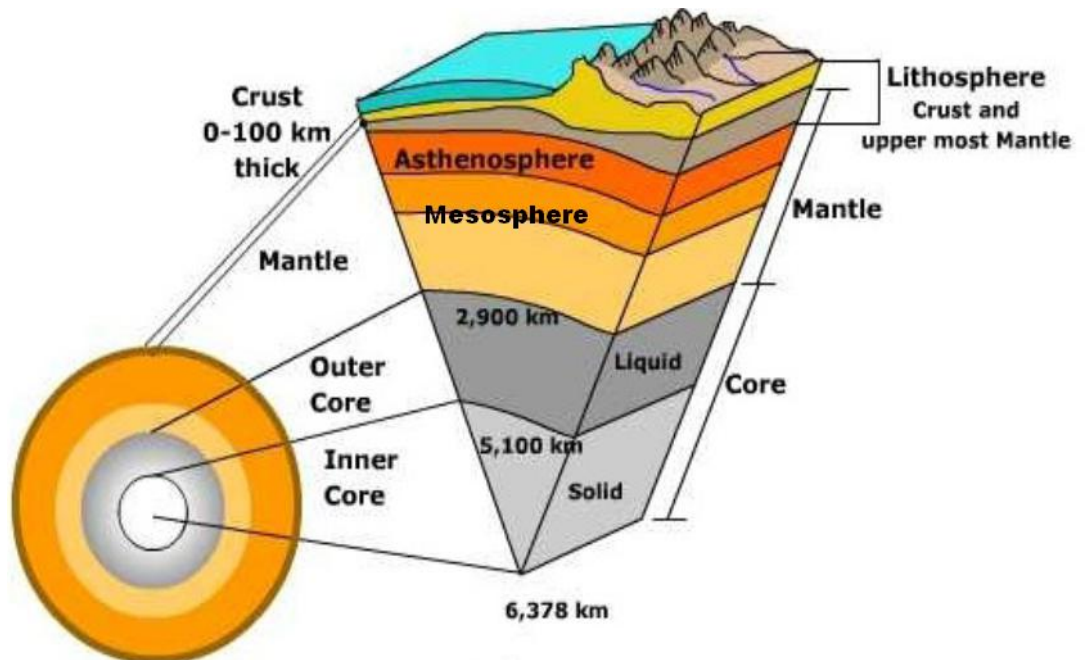
Students will create a model to show the structural and compositional layers of the Earth. We encourage students to use everyday household materials to create their model. This model should be 3 dimensional, **not** a flat 2 dimensional drawing or layered construction paper composition. Students will be graded on neatness and following directions (i.e. having a 3 dimensional model, including all of the labeled layers that are easily distinguishable - either by being different in color or material.)

Students will be graded according to the following rubric.

15 points	Your model is 3-dimensional .	It should not be a flat 2-dimensional drawing or layered construction paper.
15 points	Your model is neat and pleasing to the eye. The layers are labeled neatly .	It should look like you put some thought into the design of your project and didn't just throw it together at the last minute.
10 points	The Inner Core is labeled and in the correct place.	Inner core - inner most solid core
10 points	The Outer Core is labeled and in the correct place.	Outer core - the dense liquid layer surrounding the inner core
10 points	The Mantle is labeled and in the correct place.	Mantle – includes everything between the outer core and the crust (further divided into structural layers)
10 points	The Crust is labeled and in the correct place.	Crust - outermost surface layer- solid and rocky
10 points	The Asthenosphere is labeled and in the correct place.	Asthenosphere - plastic-like part of mantle just below the lithosphere
10 points	The Lithosphere is labeled and in the correct place.	Lithosphere - made up of the crust and the solid upper-most part of mantle
10 points	The Mesosphere is labeled and in the correct place.	Mesosphere - made up of the inner mantle- from the outer core to the asthenosphere

This diagram is included to help guide students when creating their model.

This project will be due during class on Monday, April 1st.



I am aware that my child, _____, has a "Layers of Earth" project for science that is due Monday, April 1st, 2013. Parent/Guardian: _____