

Junior Inventors Name: _____

A Plate Full of Tectonics

Geologists study the structure of the Earth and the materials of which it is made. To be a geologist, you need to know many terms related to the Earth, and some of these terms are rather hard to spell and pronounce!

Create a Geologist's glossary. By reading the article, A Plateful of Tectonics, you will be able to complete the top section of the table below. Then, through your own research, add in some extra words and definitions that relate to the study of geology.

Geologist's Glossary

Lithosphere	
Asthenosphere	
	tectonic plates that are moving apart
Converging plates	
	melted rock under the Earth's surface
Trench	

YOU ROCK!
What are the names of some of the different rocks and minerals found in our Earth?

Junior Inventors activity sheet © Skoolbo 2015

Lesson Sequence:

Provocation: What can maps tell us about our world? Give your students exploring time using online and hard copy world maps and list down what different maps show. (Physical, Political etc). Focus in on topographical maps and land formations. Discuss how depth and height are shown and how satellites are used in mapping. Pose the question - What is happening under our Earth's surface?

Tuning In: Read the article, A Plateful of Tectonics. Provide students with equipment such as play dough, lego and cardboard to create models to demonstrate tectonic plate movement. Share their creations.

Activity Sheet: Students create a Geologist Glossary by writing definitions for specific terms found in the article.

TIPS TO SUPERCHARGE YOUR LESSON

Tectonic Plate Jigsaw

Provide students a map of the world. Ask them to draw in the plates' lines. Students then cut their map up on the plate lines, shuffle the pieces and remake before gluing together as a finished map.

