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Holiday homework

Student Name: _____

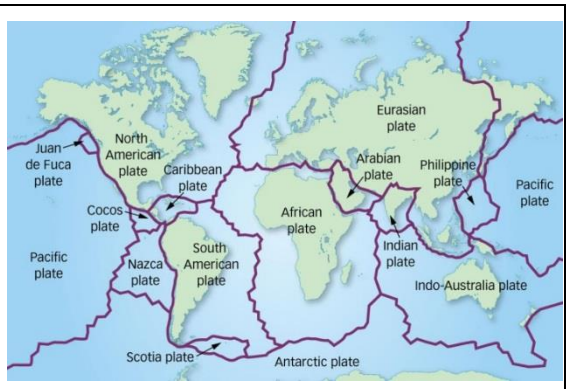
Topic: Measuring Tectonic Plates

Teacher: _____

Due date: Week 1 Term 4, 2017

Task

We are in motion no matter where we stand on the planet. The tectonic plates that compose the crust of the Earth are in motion at a measurable rate. Everything on the crust of the Earth changes its location in relation to the planet.
Your task is to investigate the technology (GPS and SLR), which geologists use to measure the motion of tectonic plates. You must present you finding in the form of a **PowerPoint presentation.** Your presentation should be visually appealing, and limited to 10 Slides. You must use original language and provide references.



Learning outcome/s

- Earth Sciences — Human endeavour – Measuring Tectonic Plates

1. Introduction –Brief outline the theory of plate tectonics and the evolution of the theory.
2. How is GPS used to measure tectonic plates. Include the specifics of how the technology is used to measure motion and the direction of motion it measures.
3. How is SLR used to measure tectonic plates. Include the specifics of how the technology is used to measure motion and the direction of motion it measures.
4. Provide an example of a specific tectonic plate, how fast it is moving and what technology was used to obtain this measurement

Marking key	**Total: ____/20**	**%**
Item	Max marks	Marks obtained
Q1 – Introduction	3	
Q2 – How is GPS used	4	
Q3 – How is SLR used	4	
Q4 – Example	3	
Use of pictures/diagrams to aid explanation	2	
Overall presentation (Slide effects/appearance)	2	
Use of original language/ References	2	

Teacher comments: