



## Geography Year 9:

# Preparing resources for teaching Year 7 about volcanoes

This project should take 4 weeks to complete:      Dates:    Set 08/09/14    Interim check 22/09/14    Hand in date    Mon 6/10/14

You should all aim to achieve between 2 and 4 stars in each section. Extension tasks counts as additional Vivos.

Key Question	Task(s) and starting resources	Specific things you will need to do ... and stars
<p><b>What is the background information needed about volcanoes</b></p>	<p><b>Prepare a PowerPoint or notebook to give a variety of information about volcanoes and their effects on people's lives</b></p> <p><a href="http://volcanoes.usgs.gov/hazards/">http://volcanoes.usgs.gov/hazards/</a>  <a href="http://resources.woodlands-junior.kent.sch.uk/homework/mountains/volcanoes.htm">http://resources.woodlands-junior.kent.sch.uk/homework/mountains/volcanoes.htm</a>  <a href="http://www.bbc.co.uk/newsround/13880746">http://www.bbc.co.uk/newsround/13880746</a></p>	<ul style="list-style-type: none"> <li>• Research images of 2 different volcanoes to produce two ppt slides or pictures for your notes (1/2*)</li> <li>• Research images of volcanoes from around the world (max. 5) (*)</li> <li>• Produce a map of the world showing the location of your chosen volcanoes (*)</li> <li>• Produce two labelled diagrams showing the differences between shield and cone volcanoes (*) Mark locations of each type on your map (**)</li> <li>• Identify which volcanoes come from LEDC's/MEDC's (*)</li> <li>• Describe 5 hazards produced by a volcano (*)</li> <li>• Pick 2 volcanoes, one from LEDC and one from MEDCs and describe the effects these volcanoes have on the lives of people nearby and the local environment. (**)</li> <li>• Describe how people can prepare for the possibility of a volcanic eruption in their local area. Draw up a list of essential things you would put in a survival pack (*). Think about what you would put in your survival kit, where you would go and what you would do. (**)</li> </ul>
<p><b>How do volcanoes work?</b></p>	<p><b>Produce a model to illustrate a volcano.</b>  <a href="http://www.enchantedlearning.com/subjects/volcano/quizprintout.shtml">http://www.enchantedlearning.com/subjects/volcano/quizprintout.shtml</a>  <a href="http://www.sciencebob.com/experiments/volcano.php">http://www.sciencebob.com/experiments/volcano.php</a></p>	<ul style="list-style-type: none"> <li>• Draw a labelled 2 D diagram of a volcano (1/2) with full annotations (*)</li> <li>• Produce a 3 D model of a volcano (**) to show an eruption (***)</li> <li>• Produce movie maker presentation to show volcanoes in action (**/***)</li> <li>• Describe what a volcano would look like from the inside. (cross-section) (**)</li> </ul>
<p><b>How can you check how much you have learned?</b></p>	<p><b>Produce a worksheet for a Year 7 student and a corresponding mark scheme.</b></p>	<ul style="list-style-type: none"> <li>• Produce a list of key words and a word search (*), a paragraph of information and fill-in-the gaps activity (*)</li> <li>• Produce a worksheet on two sides of A4 to include information about volcanoes, using key words and two activities to show understanding. Activities could include word searches, labelling diagrams, fill in gaps etc. (**)</li> <li>• Create a more detailed worksheet with a variety of information and activities, including grades of difficulty (***)</li> <li>• Produce a mark scheme which allows you to show the Year 7 student what you expect them to have learned from the worksheet (**) with levels (***)</li> </ul>
<p><b>Extension tasks: Explore the risks faced by people living near active volcanoes</b></p>	<ul style="list-style-type: none"> <li>• Show how local authorities can plan to reduce the effects of volcanic eruptions on residents and the environment (***)</li> <li>• Draw up a table to compare how LEDC's and MEDC's prepare for volcanic eruptions (***)</li> <li>• Read an article about Krakatoa.(*) (evidenced by a parental signature in planner)</li> <li>• Prepare an advert to attract tourists to visit a volcano such as Mr Etna on Sicily (*)</li> </ul>	

