

At Home Learning – Year 6

In support of students and their Earth and Space Science learning, the following is a sequence of tasks and activities that could be carried out at home.

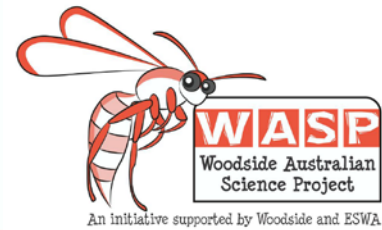
Objectives:

At the completion of this unit of work students will understand the impacts on the Earth’s surface of:

- volcanic eruptions
- earthquakes
- tsunamis
- droughts

Focus	Activity/ies	WASP Support Resources
The Earth	<ul style="list-style-type: none"> ● Research the main layers of the Earth and produce your own model ● Find out why the Earth is layered in the way it is ● The crust of the Earth is broken up into tectonic plates. Find out more about these plates and model how they move 	Layers of the Earth - https://www.wasp.edu.au/mod/resource/view.php?id=402 Denser down - https://www.wasp.edu.au/mod/resource/view.php?id=398 Earth egg model - https://www.wasp.edu.au/mod/resource/view.php?id=400
Volcanoes	<ul style="list-style-type: none"> ● Research the parts of a volcano to draw your own diagram ● The two major types of volcanoes are stratovolcanoes and shield volcanoes. Find out more about these types. What makes them different? Conduct an experiment to explore this ● Research how the materials erupted from a volcano can change the Earth’s surface 	Draw a volcano - https://www.wasp.edu.au/mod/resource/view.php?id=406 Volcano variations 1 - https://www.wasp.edu.au/mod/resource/view.php?id=408 Volcano variations 2 - https://www.wasp.edu.au/mod/resource/view.php?id=410

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Focus	Activity/ies	WASP Support Resources
Volcanoes continued	<ul style="list-style-type: none"> Explore how we monitor volcanoes, to provide early warning of eruptions. Create your own device – a tiltmeter or clinometer 	Making a tilt-o-meter & clinometer - https://www.wasp.edu.au/mod/resource/view.php?id=414
Earthquakes	<ul style="list-style-type: none"> Research the most common causes of earthquakes and how they affect the Earth's surface Where do they occur in the world? How are they measured? How can earthquakes change the Earth's surface? Find out what to do in an earthquake and create a poster to help communicate key messages to people 	Earthquakes animation - https://www.youtube.com/watch?v=FjXb97qR5C8 Earthquake data - https://www.wasp.edu.au/mod/resource/view.php?id=419 Shaky Science - https://www.wasp.edu.au/mod/resource/view.php?id=421 Seismic driven landslides - https://www.wasp.edu.au/mod/resource/view.php?id=423 Earthquake liquefaction - https://www.wasp.edu.au/mod/resource/view.php?id=625 Earthquake safety - https://www.wasp.edu.au/mod/resource/view.php?id=627
Tsunamis	<ul style="list-style-type: none"> Research tsunamis. How do they form? Where do they occur? How do that change the Earth's surface? 	Tsunami project - https://www.wasp.edu.au/mod/resource/view.php?id=432
Droughts	<ul style="list-style-type: none"> Research drought Conduct an investigation to find out how it impacts Earth's surface 	The Effect of Drought on Landscapes - https://www.wasp.edu.au/mod/resource/view.php?id=439
Prepare, Act, Survive	<ul style="list-style-type: none"> How could you prepare for a natural disaster? 	Prepare, Act, Survive - https://www.wasp.edu.au/mod/resource/view.php?id=444 Managing a Disaster - https://www.wasp.edu.au/mod/resource/view.php?id=446
Quizzes	<ul style="list-style-type: none"> Test how much you have learnt in this unit by taking our online quizzes 	Quizzes - https://www.wasp.edu.au/mod/page/view.php?id=108