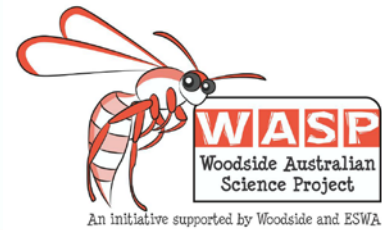


At Home Learning – Year 4



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.

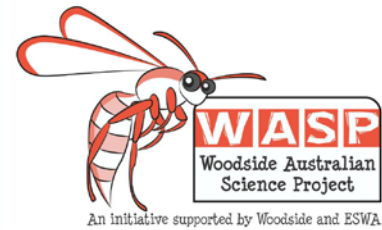
Objectives:

At the completion of this unit of work students will:

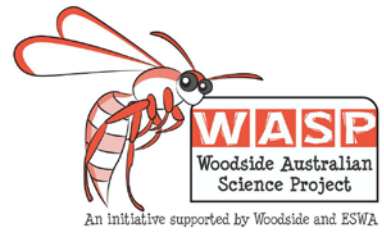
- Understand that weathering and erosion change the Earth’s surface
- Be able to describe soils and how they develop over time
- Understand that fossils can provide us with evidence of change
- Be able to explain how floods and drought change the Earth’s surface
- Be able to explain how human activity changes the Earth’s surface

Focus	Activity/ies	WASP Support Resources
Weathering	<ul style="list-style-type: none"> • Research weathering. What are the different types? • Create a poster or video to explain weathering • Research how paints and pigments can be made from weathered rock. Make your own paints • What are stalactites? How do they form? Can you create your own? 	Biological weathering - https://www.wasp.edu.au/mod/resource/view.php?id=499 Temperature weathering - https://www.wasp.edu.au/mod/resource/view.php?id=501 Paint made of rocks - https://www.wasp.edu.au/mod/resource/view.php?id=613 Stalactites - https://www.wasp.edu.au/mod/resource/view.php?id=497
Erosion	<ul style="list-style-type: none"> • Research erosion • Find out what happens to broken rock as it is moved by wind or water • What is biological erosion? 	Smaller & rounder - https://www.wasp.edu.au/mod/resource/view.php?id=506 (instead of plasticine you could use sugar cubes or bits of chalk) Biological erosion - https://www.wasp.edu.au/mod/resource/view.php?id=508
Soils	<ul style="list-style-type: none"> • Research soils. What are they made up of? How do they form? • Conduct a series of experiments to learn more about soils 	Soil brainstorm - https://www.wasp.edu.au/mod/resource/view.php?id=514 Soil colours - https://www.wasp.edu.au/mod/resource/view.php?id=516 Humus in soil - https://www.wasp.edu.au/mod/resource/view.php?id=518

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Focus	Activity/ies	WASP Support Resources
Soils continued	<ul style="list-style-type: none"> Using all the knowledge you have gained about soils, design a raised garden bed 	Design a garden bed - https://www.wasp.edu.au/mod/resource/view.php?id=607
Fossils	<ul style="list-style-type: none"> Fossils help us to understand how an area has changed over time. Consider the scenarios provided to work out the changes. Create your own fossil leaves. 	Fossil evidence of change - https://www.wasp.edu.au/mod/resource/view.php?id=523 Fossils and climate - https://www.wasp.edu.au/mod/resource/view.php?id=609
Floods and Drought	<ul style="list-style-type: none"> Research how the Earth's surface is changed by floods Explore what happens to topsoil during floods with a simple experiment What happens to plants during a flood? Investigate with a simple experiment Research how the Earth's surface is changed by drought Conduct a simple experiment to demonstrate this change 	Loss of topsoil - https://www.wasp.edu.au/mod/resource/view.php?id=526 The effect of floodwater on plants - https://www.wasp.edu.au/mod/resource/view.php?id=528 Changes due to drought - https://www.wasp.edu.au/mod/resource/view.php?id=530
Human Activity	<ul style="list-style-type: none"> Think about how human activity changes the Earth's surface Illustrate a cartoon about surface changes in an area of Australia and before/after pictures for areas that have experienced change 	Man-made changes - https://www.wasp.edu.au/mod/resource/view.php?id=534 Human landscapes - https://www.wasp.edu.au/mod/resource/view.php?id=611



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Landscape Change	<ul style="list-style-type: none">Investigate changes in your local area and make a poster demonstrating these changes	Evidence of local landscape change - https://www.wasp.edu.au/mod/resource/view.php?id=531
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