

Earth Science



Yr 7/8 JSO Earth Science resource suggestions

<p>Australian Curriculum Content Descriptor (V9)</p> <p>model cyclic changes in the relative positions of the Earth, sun and moon and explain how these cycles cause eclipses and influence predictable phenomena on Earth, including seasons and tides (AC9S7U03)</p>	<p>Resources:</p> <ul style="list-style-type: none">• TESEP online teaching resources Start here: https://tesep.org.au/student-online-resources/let-s-begin.html Some nice online 3D images to explore plus good basic facts<ul style="list-style-type: none">○ Extra links from TESEP page here: https://tesep.org.au/curriculumlinks.html (incomplete but a good start)• Geoscience Australia Education group: https://www.ga.gov.au/education Links to a lot of good fact sheets.• UK Geological Society Education: https://www.geolsoc.org.uk/heresources• Australian Earth Science Education: https://ausearthed.com.au/earth-space-science/<ul style="list-style-type: none">○ https://ausearthed.com.au/stem/
<p>investigate tectonic activity including the formation of geological features at divergent, convergent and transform plate boundaries and describe the scientific evidence for the theory of plate tectonics (AC9S8U03)</p>	
<p>describe the key processes of the rock cycle, including the timescales over which they occur, and examine how the properties of sedimentary, igneous and metamorphic rocks reflect their formation and influence their use (AC9S8U04)</p>	

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Yr 9/10 JSO Earth Science resource suggestions

The yr 7 & 8 syllabus is assumed knowledge.

<p>represent the carbon cycle and examine how key processes including combustion, photosynthesis and respiration rely on interactions between Earth's spheres (the geosphere, biosphere, hydrosphere and atmosphere) (AC9S9U03)</p>	<ul style="list-style-type: none">• TESEP online teaching resources Start here: https://tesep.org.au/student-online-resources/let-s-begin.html Some nice online 3D images to explore plus good basic facts<ul style="list-style-type: none">○ Extra links from TESEP page here: https://tesep.org.au/curriculumlinks.html (incomplete but a good start)• Geoscience Australia Education group: https://www.ga.gov.au/education Links to a good fact sheet.• UK Geological Society Education: https://www.geolsoc.org.uk/heresources• Australian Earth Science Education: https://ausearthed.com.au/earth-space-science/<ul style="list-style-type: none">○ https://ausearthed.com.au/stem/• ANU Meristem: meriSTEM Education - YouTube
<p>describe how the big bang theory models the origin and evolution of the universe and analyse the supporting evidence for the theory (AC9S10U03)</p>	
<p>use models of energy flow between the geosphere, biosphere, hydrosphere and atmosphere to explain patterns of global climate change (AC9S10U04)</p>	