

TBAT	Outcomes	Skills	Assessment
<p>1. Structure of the Earth</p> <p>Describe the structure of the Earth</p>	<p>Recall that the Earth consists of a core, mantle and crust.</p> <p>Describe key properties of the layers of the Earth</p>		
<p>2. Igneous rocks</p> <p>Explain how igneous rocks are formed</p>	<p>Recall the names of some igneous rocks.</p> <p>Describe how igneous rocks are formed.</p> <p>Explain how the size of crystals in igneous rocks is evidence for the speed of cooling and classify igneous rocks as intrusive and extrusive.</p>	<p>Students model the cooling rates of intrusive and extrusive magmas by measuring the cooling rate of two beakers of hot water, one surrounded by sand (representing rock) and one surrounded by air. Or salol practical.</p>	<p>Self assess</p>
<p>3. Weathering and Erosion</p> <p>Describe the processes of weathering and erosion</p>	<p>Recall how weathered rocks are eroded and explain how fragments get worn down during transport.</p> <p>Describe how weathering can break up rocks.</p>	<p>Students observe what happens when they drop hydrochloric acid on a range of rocks (limestone, marble and chalk, sandstone and some igneous and metamorphic rocks).</p>	<p>Self assess</p>

	Describe the effect of physical, chemical and biological weathering on rocks.		
4. Sedimentary Rocks Explain how sedimentary rocks are formed	Recall the names of some sedimentary and metamorphic rocks. Describe the textures and properties of sedimentary rocks. Describe how sedimentary rocks are formed.	Students observe a range of different sedimentary rocks in detail.	Self assess
5. Metamorphic rocks Explain how igneous rocks are formed	Recall the names of some metamorphic rocks Describe properties of metamorphic rocks Explain how metamorphic rocks are formed.		Self assess
6. Rock cycle Describe the rock cycle	Use the rock cycle model to link the formation of igneous, sedimentary and metamorphic rocks.	Model rock cycle using crayons or chocolate	Teacher assessed extended writing task
7. Therapy	Model answer to 6 mark question		Teacher assessed 6 mark question

<p>8. Pangea and Fossil Evidence</p> <p>Explain what we can learn from fossils</p>	<p>Describe how fossils are formed.</p> <p>Explain evidence for Pangea and continental drift</p>		
<p>9. Living in Danger</p> <p>Research and explain natural disasters</p>	<p>Describe the effects of volcanoes and earthquakes</p> <p>Explain how a volcano and earthquake occurs</p>	<p>Independent research</p>	
<p>10. Revision</p>	<p>Complete the revision mat to consolidate their learning.</p> <p>Complete the quick quiz to assess their understanding and focus their revision</p>		
<p>11. Assessment</p>	<p>End of unit test</p>	<p>Exam technique</p>	<p>Peer assessed</p>
<p>12. Reflection</p>	<p>Students to reflect on their assessment using the knowledge organiser</p>		