

<b>Rock cycle products A4 sheets</b>	<b>Specimens, etc</b>	<b>Rock cycle processes A4 sheets</b>	<b>Rock cycle timings A4 sheets</b>
Rocks at the Earth's surface	Photo of mountain with exposed rocks		
		<i>Weathering</i>	Tens to hundreds of years
Rotten rocks and soil	Container of soil		
		<i>Erosion and transport</i>	Seconds to tens of years
Mobile sediments	Container of sand		
		<i>Deposition</i>	Seconds to thousands of years
Sedimentary sequences	Photo of layers of sediments or layered sedimentary rock		
		<i>Compaction and cementation</i>	Tens to millions of years
Sedimentary rocks	Specimens of conglomerate, mudstone, limestone		
		<i>Metamorphism</i>	Millions of years during mountain-building episodes
Metamorphic rocks	Specimens of slate, schist, marble and quartzite		
		<i>Melting</i>	Tens to

			millions of years
Magma	Photo of lava from volcano		
		<i>Rising</i>	Days (extrusion) to millions of years (intrusion)
		<i>Crystallization under the Earth's surface</i>	Hundreds of thousands to millions of years
Igneous rocks	Specimen of marble		
		<i>Extrusion</i>	Seconds to weeks
Extrusive igneous rocks	Specimens of pumice and basalt		
		<i>Deformation (folding, faulting, metamorphism)</i>	Seconds (faulting at active Earth zones) Seconds to millions of years (faulting, folding metamorphism during mountain-building episodes)

**Table1 Resources required for the activity**