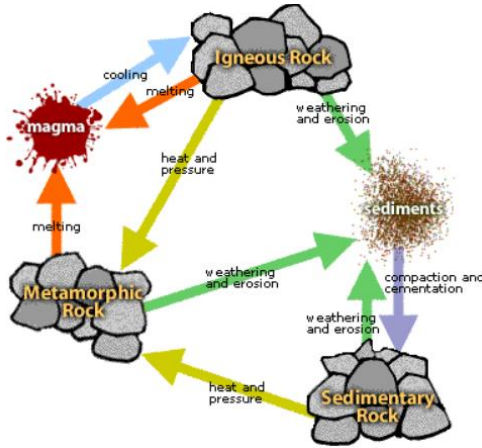
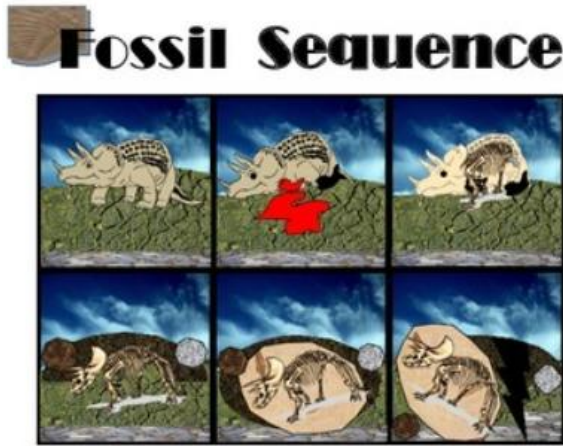


Year 3: Science Rocks & Stones Knowledge Mat

Subject Specific Vocabulary		The Rock Cycle	Important knowledge
rock	A naturally occurring material made of minerals.		<ul style="list-style-type: none"> I know that rocks are made in different ways and this changes their appearance. I know I know that I can group rocks based on their physical properties. I know that there is a reaction between vinegar and sedimentary rock. I know that sedimentary rock is porous. I know that metamorphic rock is hard. I know how fossils are formed in sedimentary rock. I know that soils are made from rocks, leaves, fungus and water. I know that the quantity of organic matter and the type of rocks that soils are made of will affect their drainage.
sedimentary rock	A rock which is formed on or near the Earth's surface from the compression of ocean sediments or other processes.		
igneous rock	Igneous rocks form when magma cools and crystallises.		
metamorphic rock	Metamorphic rocks start as one type of rock and, with pressure, heat, and time, gradually change into a new type of rock.		
geology	The scientific study of the Earth's structures.		
magma	Molten, or hot liquefied, rock located deep below the Earth's surface is called magma.		<p>Working Scientifically</p> <ul style="list-style-type: none"> I can sort rocks into groups based on their appearance: shiny, dull, crystals, grainy e.t.c. I can classify, group and sort rocks based on their physical properties. I can conduct a test to explore the characteristics of rocks. I can use websites and text to find out how fossils are formed. I can use websites to discover the importance of Mary Anning. I can measure the time it takes for a given volume of water to drain through different soils, in seconds. I can plan an investigation to find out which sandy soil drains best.
solidify	To solidify is to make or become solid.		
fossil	The bones or other remains of living things are sometimes preserved in rocks as fossils		
sediment	Sediment is the small particles of stone or rock that sinks to the bottom of a river or lake and forms sedimentary rock.		
soil	Ground up rock mixed with plant and animal remains.		