	Topic: Rocks	Year: 3		Strand: Chemistry
What should I already know?				Vocabulary
Identify and name a variety of everyday materials including, including wood, metal, plastic, glass water and rock—YI		everyday materials	absorb	soak up or take in
		decay	gradually being destroyed by a natu- ral process	
Compare and group together a variety of everyday materials on the basis of their simple proper- ties—YI Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses—Y2			grain	a tiny hard piece of something such as sand or salt
			igneous	rocks that are formed by volcanic action or intense heat and then cooled
			magma	molten rock that is formed in very hot conditions inside the earth
What will I know by the end of the unit?		metamor phic	rocks that have had their original structure changed by pressure and heat	
What are the differ- ent types of rocks?	There are 3 types of na. 1) Igneous: strong, hard When molten magna co	ere are 3 types of naturally formed rocks gneous: strong, hard and non-porous en molten magma cools, igneous rocks tormed. This either cools and forms ks under the earth's surface , or flows	molten	molten rock, metal, or glass has been heated to a very high tempera- ture and has become a hot, thick liquid
	are formed. This either rocks under the earth's		palaeon tology	 the study of fossils as a guide to the history of life on Earth
	out of erupting volcan Examples: granite and	oes as lava basalt	porous	has many small holes in it, which water and air can pass through
	2) Sedimentary: porous	and easily worn	preserve	to protect from decay
	Sometimes, little pieces of rocks that have been weathered can be found at the bottor of lakes, seas and rivers This is called	rock	a solid mass made up of minerals . Rock forms much of the earth's outer layer, including cliffs and moun- tains	
	this sediment builds i	s of years, layers of ip forming sedimen-	sedimen	t solid material that settles at the bottom of a water (sea/river).
	Examples: limestore a	nd chalk.	soil	the substance on the surface of the earth in which plants grow
	3) Metamorphic: strong When some igneous and are heated and squeez form metamorphic rock .	t sedimentary rocks ed (pressured), they s .	volcano	a mountain from which hot melted rock, gas , steam, and ash from in- side the Earth sometimes burst.
	Examples include slat	e and marble.		
	Bricks and concrete are no are man-made.	t rocks because they		
What is a fos- sil?	Fossils are usually for thing (plant or animal is covered up or buries tens of thousands of u	med when a living) dies and the body L by sediment over ears.		
	Some fossils are former bones and teeth in an woody part of plants a	l when the tough imals, and the re preserved.		
	Other fossils are man surrounding sediment shells)	le from imprints in ary rock (footprints		
	Fossils tell us about . life that existed hun and millions of years	the Earth and about dreds of thousands ago.		
What is soil?	Soil is made from piec. organic matter and wa broken down into smal. formed. Above the soil decaying plants (organ soil becomes deeper, the larger until bedrock is	es of rock, minerals , ter. When rock is I grains, soil is is leaf litter and ic matter). As the re rock grains are reached.		