Y8 Science	Term 5	Energy (Cost), Interdependence, Material Science				
Week 1: Energy Sources		Week 2: Energy Use		Week 3: Interdependence		
				Biomass	the total mass of the organic matter of an organism	
energy source	a source from which useful energy can be extracted or converted	fuel	a substance that is burned to release energy	Producers		
renewable	an energy source that will not run out	joules (j)	the units for all types of energy			
non–renewable	an energy source that is used faster than it is replenished and will run out	kilowatt hour (kwh)	the unit used to state the amount of energy used by a 1kW appliance for 1 hour	Consumers organisms that consume other organisms for		
power	the amount of energy transferred in a set amount of time	compare	to find similarities and differences between to objects	Herbivore	Carnivore Omnivore	
watts standard form	the units of power a method of writing small or large	estimate	a rough calculation	Consumes producers	ConsumesFeeds ononlyotherproducers AND	
standard form	numbers e.g. $192 = 1.92 \times 10^2$	conversion	the process of changing units by multiplying or dividing	1117A	consumers consumers	
Renewable and Non-Renewable Energy Sources				Predator	an organism that hunts.	
Renewable energy Solar Hydropower Geothermal Non-renewable energy Dil Dil Dil Dil Dil Dil Dil Dil				Prey Ecosystem	an organism that is hunted. all the living organisms and non-living factors in an environment.	
	Extension QR Codes - F	Read the BBC bite	size new knowledge page, watch the vide	eo, and comple	te the self quiz	

Y8 Science Term 5		Photosynthesis, Separating mixtures, chemical/physical changes							
Week 4: Natural Selection and Biodiversity		Week 5: The Reactivity Series		Week 6: Materials					
evolution	the gradual change of a species over time		K Potassium Most reactive	extraction	removing a metal from its ore.				
			Ca Calcium Mg Magnesium Al Aluminium Za Zinc	ore	a rock containing metal compounds.				
natural	the process by which individuals who		Zn Zinc Increasingly Fe Ferum reactive Sn Tin reactive Pb Lead Cu Copper	metal oxide	a compound containing metal and oxygen.				
selection	 are better adapted to their environment can survive longer and increase their chances of reproducing. 	reactivity	Mercury Silver	carbon	a non-metal used to extract less reactive metals from ores.				
MAM		series	with the most reactive at the top.	ceramic	a hard, brittle, waterproof material.				
adaptation	a characteristic which increases an organism's chance of survival and reproduction (e.g. Longer neck giraffes	reactivity	the tendency for a substance to undergo a chemical change.						
	can reach food, so survive to reproduce).	inert	very unreactive.	polymer	materials made from lots of smaller units (monomers) used for plastics.				
gene	a short section of DNA that is responsible for a characteristic such as blood group	displacement	-	goog					
A		reaction	reactive metal from a compound. $+ \bigcirc \rightarrow \bigcirc + \bigcirc \rightarrow$	recycle	convert waste into reusable material				
extinction	when there are no more individuals left of a particular species	observation	AB C A BC what can be seen happening (in a chemical reaction).						
biodiversity	the variety of species living in an area	fizzing/ effervescence	the production of a gas from within a solution.		11				
Extension QR Codes - Read the BBC bitesize new knowledge page, watch the video, and complete the self-quiz.									