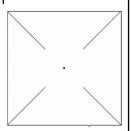
The Spring Partnership Trust - Knowledge Organiser

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Science Focus		Environment	Year 2			
What? (Key Knowledge)			Statutory requirements			
Environment	ment Our planet provides everything that we and all living things need. We call it our environment.		Although it is not a statutory requirement to teach as a separate topic, this does link to requirements in all Year 2 areas of the science curriculum - Plants, Animals and Living things in their habitats and Everyday materials.			
Climate	Climate Climate is the weather. The earth's climate is just right, meaning that things can live on the planet.		See individual Yr2 Science Knowledge Organisers for details.			
Climate	Climate change is a change in the overall weather and temperature on Earth. (Not the day-to-day weather). The Earth is getting warmer due to some of the things humans are doing. This means it will be more difficult for livings things to survive.		What? (Key vocab)			
change			Spelling		Definition	
			Energy	Energ	gy makes everything work.	
			Power	Electricity, gas and oil are all sources of power. They give us energy to make things work.		
Atmosphere	The layer of air surrounding the Earth.		Non- renewable	as coal,	Non-renewable power sources such as coal, oil and gas can't be replaced once they have been used. Scientists	
Greenhouse gas	e Greenhouse gases are special types of gas in the atmosphere. They let sunlight through but stop heat from escaping, like a greenhouse, so the Earth warms up.			think these are running out.		
			Renewable	Renewable power sources can be replaced. This means they will never run out. Solar power, wind power, geothermal power, biomass and		
Pictures and Diagrams				wave power are all renewable power sources.		
Renewable power sources Wind turbines turn the			Endangered		g endangered means that ts think that a type of animal or plant is at risk.	
energy from the wind into electricity.		Extinct		neans that there are none of e of animal or plant left alive.		
Solar panels turn the energy from sunshine into electricity. The energy from heat deep underground can be turned into electricity. This is geothermal energy.			Possible experiences			
			 Visit a recycling plant (or watch a video) to see how our waste is recycled. Look at creative ways to reduce and reuse waste to cut down on the energy it takes to recycle it. Make a turbine (pin wheel) from 			

 Wake a turbine (pin wheel) from a square of paper. Use it to measure the force and direction of the wind on a daily basis. If we blow or waft the turbine, where is the energy coming from to turn it?



Biomass means 'natural material'. It is burned to create energy.