



Year 2: Climate Change Knowledge Mat

Subject Specific Vocabulary		Curriculum Links	Sticky Knowledge about Climate Change
climate	The weather conditions in an area over a long period of time.	Vertical Links: FS2: Plastic in the Ocean Year 1: Recycle, Recycle, Recycle Horizontal Links: Geography: Hot and Cold Places Science: Everyday Materials Science: Living Things Diagonal Links: Year 1 Science: Everyday Materials Year 1 Science: Animals inc Humans Year 3 Geography: Antarctica 	☐ You have the power to make a positive change.
oxygen	An invisible gas we breathe in and plants give out.		☐ Around 200 years ago, machines powered by burning things came into use.
carbon dioxide	An invisible gas we breathe out and plants take in. A type of greenhouse gas.		☐ When we burn fossil fuels, carbon dioxide is released into the air.
methane	An invisible gas. A type of greenhouse gas.		☐ Methane is released when we farm cows and put rubbish in landfills.
greenhouse effect	Greenhouse gases surround the earth and keep it warm like an invisible blanket (or a greenhouse!).		☐ Just one cow can burp and fart out up to 100kg of methane every year!
pollution	Anything that makes air, water or land dirty and unhealthy.		☐ Huge areas of trees are being chopped down so there are fewer plants to take carbon dioxide out of the air.
global warming	The increase in the earth's temperature over a long period of time.		☐ Global warming is causing the weather to change and the Arctic and Antarctic ice to melt.
resources	Things that are useful to humans such as materials with which we can build our homes.		☐ Animals all over the world are facing difficulties due to climate change.
fossil fuels	Fuels made from animals or plants that died millions of years ago, e.g. coal.		☐ Ways we can help include; using public transport, growing plants, eating less meat, recycling, being careful not to waste resources.
landfill	A huge hole in the earth filled with rubbish that has not been recycled.		
drought	A long period of time when a place gets less than its normal amount of rain.		

