


Our Lady and St Edward's Knowledge Organiser	Year 1 - Design and technology	Spring	Materials: Predicting the Weather
Outcome: To explore materials and their suitability for different weathers. To understand sustainability and the multiple uses of materials. The pupils will make a small-scale rain catcher that could be used to collect water for small classroom tasks. Design and make a weather chart.			
Key Information		Key Vocabulary	
<p>Weather: Weather is a description of what the conditions are like in a particular place. Weather could be described as hot or cold, wet or dry, windy or calm, stormy, with thunder and lightning. When the weather follows a similar pattern over a long amount of time, it is described as a climate.</p> <p>Sustainability: small things that we can do to help to look after the planet. Sometimes, we can use the climate (and the weather pattern in an area) to help the planet. In the area surrounding our school, we can collect rain to use less water. This water can be used to help plants grow and to perform other tasks, helping our planet by using less water.</p>		<p>-Weather: Weather is a description of what the conditions are like in a particular place.</p> <p>-Climate: The weather follows a similar pattern over a long amount of time</p> <p>-Rain Catcher: A vessel used to collect and store rainwater.</p> <p>-Natural: Created by nature, not people.</p> <p>-Eco-friendly: Not harmful to the environment.</p> <p>-Rainfall: The amount of rain falling within a given area in a given time.</p> <p>-Materials: The matter from which a thing is or can be made.</p> <p>-Local: Near to a specific area e.g. Birkenhead.</p> <p>-Plastic: Lightweight, waterproof material that is very popular.</p> <p>-Wood: Strong, natural and recyclable material that comes from trees.</p> <p>-Cardboard: A material made from wood and paper.</p> <p>-Measure: The action of measuring something.</p> <p>-Predict: Using what you already know to guess what may happen.</p> <p>-Design: To draw an example of something you will make later.</p> <p>-Create: To make something from your imagination.</p>	
Key Knowledge		Rain Catcher	
<ul style="list-style-type: none"> ● To identify different types of weather. ● To explore materials and how they are affected by different types of weather. ● To predict rainfall in our local area. ● To identify the uses of rainwater to help our planet. ● To choose appropriate materials. ● To contribute to group work. ● To design a rain catcher/rain gauge. ● To use the finished product to measure rainfall in our local area and help year 1 be more sustainable. 		<p>Health and Safety All children should be supervised when using equipment. Equipment: Scissors, plastics, marker pens. Adults must ensure that the children are not in contact with any cut plastics with sharp edges.</p> 	
What I should already know:		By the end of this unit, I will know:	
<ul style="list-style-type: none"> - What clothes and equipment are needed for different types of weather. - Items that are recyclable and sustainable to the environment. - To recognize that different materials and equipment can be used to create different outcomes. 		<ul style="list-style-type: none"> - Why is it important to be sustainable for the environment? - To select materials that are fit for purpose. - To record and discuss weather patterns. - To evaluate and discuss which materials have worked best to create rain gauges and windmills and why this is. 	

- To understand some weather and seasonal changes.