Design & Technology Progression Grid Class 3-4 cycle 1

Autumn – Battery operated lights Objectives- To explain how technology has helped shape the world we live in. To explore and make a series of parallel circuits and follow instructions to make a switch. To make a product which contains a working circuit to light a bulb	**Spring – The great bread bake off** Objectives To investigate and analyse a range of existing products. To understand and find out about important people and events in the past that have shaped the way bread is made and sold today. To evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.	**Summer- Let's go fly a kite** Objectives- To explain how a key events and individual in design technology have helped shape the world. To use research into the shape and parts of kites to develop a design criteria To develop and communicate a design for my kite.
Minimum learning is highlighted. Minimum vocabulary is in bold.		
To name some key events and individuals that have helped shape the world of lighting. To know that a switch is used to make or break a complete circuit. To know which **materials** are suitable to make my light. To draw a simple annotated design. To make and represent different types of **circuits.** To develop and communicate a design for light. To wire up a circuit to the **battery** and the switch to make the **bulb** work effectively. To use my design criteria to inform my **evaluation**	To name some of Warburtons existing products. To know how to select ingredients and kitchen equipment to help me follow a bread making recipe. To taste different breads and analyse the texture, smell, **appearance** and **flavour.** To shape **dough.** To **knead** and **bake** To generate ideas for a design criteria based on research.	To name and explain the function of the different parts of a kite. To explain how Homan Walsh used a **kite** to help build the Niagra Falls Bridge. To know the benefit of a **structure test** To build and join strong frame structures and stiffen materials and to know where the **spars**, **delta** and **frame** are. To use my design criteria to say if my kite was successful. To comment on the overall process of the kite making process. To test my kite.