



Helmshore Primary School

Design and Technology

Autumn 2

DT Year 4 Knowledge Organiser

Main Learning: Structures

Key knowledge	Vocabulary	
Design and make a kaleidoscope	kaleidoscope	A torch-like structure that has a rotating end with colours so that the colours are seen to change as one part is rotated.
Know what a kaleidoscope is and how it works	electrical	Something that depends on the power of electricity (including batteries).
Create a tube that has a rotating part at one end	acrylic	A plastic sheet often of many different colours.
Work with a partner or a small group to achieve the desired outcome	Perspex	It is the name of a manufacturing group that produces acrylic plastic sheets.
Know how you will make the structure	rotate	Something that moves in a circular way around a given object.
Know how to evaluate your structure by reflecting on what went well and what could be improved	unanimous	When everyone agrees



kaleidoscope



acrylic sheets