

# Key Words for Project:

- **The 6 R's** – Six easy to remember steps to consider when designing and making sustainably.
- **Rethink** – A designing strategy whereby we take new approaches to making in order to be more sustainable.
- **Reduce** – Looking at ways to lessen the number of unsustainable materials or waste produced by a product or its packaging.
- **Repair** – When we fix a previously broken product to prevent throwing it into landfill.
- **Recycle** – When we process materials using machines to produce new materials of the same type.
- **Refuse** – An approach where we refuse to buy unsustainable products.
- **Reuse** – When we take a disused product and take it apart to use materials again.



RETHINK



REDUCE



REPAIR



RECYCLE



REFUSE



REUSE

# Knowledge Organiser

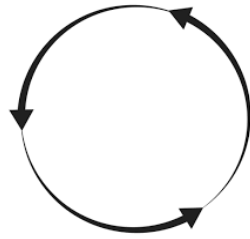
1 PET	2 HDPE	3 PVC	4 LDPE	5 PP	6 PS	7 OTHER
POLYETHYLENE TEREPHTHALATE	HIGH-DENSITY POLYETHYLENE	POLYVINYL CHLORIDE	LOW-DENSITY POLYETHYLENE	POLYPROPYLENE	POLYSTYRENE	OTHER
WATER BOTTLES; JARS; CAPS	SHAMPOO BOTTLES; GROCEY BAGS	CLEANING PRODUCTS; SHEETINGS	BREAD BAGS; PLASTIC FILMS	YOGURT CUPS; STRAWES; HANGERS	TAKE-AWAY AND HARD PACKAGING; TOYS	BABY BOTTLES; NYLON; CDS



# Knowledge Organiser

## Key Words for Project:

- **Thermo-plastics** – A plastic that you are able to heat and mould and form as it cools and then can repeat the process.
- **Thermosetting plastics** – A plastic that once has cooled and harden is irreversible. Cannot be changed.
- **Sustainability** – “Avoidance of the depletion of natural resources in order to maintain an ecological balance.” How humans consider the impact on the environment of the product they buy, consume and dispose of.



Rotary Motion



Reciprocating Motion



Linear Motion

Oscillating Motion



Coping Saw



Tenon Saw



Analogue Clocks – Clocks that have hands that rotate and tell the time.



Digital Clocks – Clocks that have screens and display the time using digital displays.