

<b>Subject</b>	<b>Design Technology</b>
<b>Unit/Topic</b>	Year 9 – Marketed Momentos (Plastics & the 6R's)

Key Vocabulary	Definition
<b>6 R's</b>	Six keywords that describe actions that can be taken by consumers, designers, manufacturers and retailers to reduce the environmental impact of products.
<b>Crude oil</b>	The basic ingredient of most plastics.
<b>Fossil fuels</b>	A non-renewable (finite) resource such as gas, coal, and oil which were formed underground from the remains of dead plants and animals millions of years ago.
<b>Monomers</b>	A chemical substance whose basic molecules can join together to form polymers.
<b>Plastic</b>	A generic term for a synthetic material made from a wide range of polymers. Can be shaped when soft into many different forms.
<b>Polymers</b>	A chemical substance consisting of many smaller molecules.
<b>Thermoplastic</b>	A category of plastic that can be heated and reheated multiple times without deterioration. Can be recycled.
<b>Thermosetting plastics</b>	A category of plastic that can only be heated and shaped once. Cannot be recycled.
<b>Biodegrade</b>	To decay and become absorbed by the environment.
<b>Decompose</b>	When things break down, decay or rot into smaller parts.
<b>Rethink</b>	Design in a way that considers people and the environment.
<b>Reuse</b>	Use a product to make something else.
<b>Recycle</b>	Reprocess a material or product to make something else.
<b>Repair</b>	When a product breaks down or doesn't function properly, fix it!

<b>Reduce</b>	Cut down the amount of material and energy you use as much as you can.
<b>Refuse</b>	Don't use a material or buy a product if you don't need it or if it's bad for people or the environment.

