

CNC – computer numerical control

CAM Machines in school Laser cutter

Vinyl cutter





Design development key words

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Key words to	
know and use	Meaning
	when someone's work makes you enthusiastic to design using
Inspired	similar themes.
Influence	other peoples ideas help you with your ideas
Aesthetics	how Objects are attractive – colour –shape - proportion
Pattern	where you can see repeating themes and images
Tessellate	Making parts fit into a space so that no material is wasted
Symmetry	where parts of a design are equal and opposite on both sides
Mirror /	where parts of a design are equal and opposite on both sides –
reflection	there is usually an un seen line that separates the sides
Modifications	changes that can be made
Mechanism	A group of parts that work together to do a job (eg. Clock)

Sustainability

Sustainability means using natural resources in a way that we could keep doing for a long time. We can be more **sustainable** by reducing our use of natural resources. ... We can also help restore natural resources.



The 6 R's

- Recycle Take an existing product that has become waste and re-process the material for use in a new product.
- Reuse Take an existing product that's become waste and use the material or parts for another purpose, without processing it.
- Reduce Minimise the amount of material and energy used during the whole of a products life cycle.
- Refuse Don't accept a product at all if you don't need it or if its environmentally or socially unsustainable.
- Rethink Our current lifestyles and the way we design and make.
- Repair When a product breaks down or doesn't function properly, fix it.

Pacific Ocean, great plastic garbage patch.

