







Subject: Design Technology

Year: 7 Teaching block: 2

Topic: The Work of Others and Commercial Manufacturing 1

Assessment week: 18th March

During this topic you will develop and demonstrate the following PLTS:

Creative thinker ✓		Team player	
Reflective learner ✓		Effective participator	
Independent enquirer ✓		Self-manager	

What I will learn?

About the Memphis design group

How to use existing designers as inspiration for your own work

How to sketch in isometric

What CAD/CAM is and its benefits

How to use 2D design

About levers, pulleys, gears and cams

About standard components

Key vocabulary for this topic:

Memphis (design group)	Standard components
Computer Aided Design	Lever
Computer Aided Manufacture	Pulleys
	Gears

Independent learning

Use website to create information sheet about advantages and disadvantages of CAD/CAM.

Practise isometric drawing skills

Identify mechanisms around the home

Create revision material on all of the topics covered in this teaching block

Revision

What will the best students be able to do/understand by the end of the topic:

Discuss the Memphis design group

Be able to use existing designers as inspiration for your own work

Sketch in isometric with confidence

Explain what CAD/CAM and its benefits are

Confidently use 2D design

Be able to explain the functions of levers, pulleys, gears and cams

Be able to explain the benefits of and uses standard components