

ADT Department

Year: 9

Topic: CAD CAM Mirror

Learning Journey

Prior learning: Have previous experience of CAD CAM using 2d design in Year 8

Learning sequence							Endpoint
Main learning steps	Use targeted research to work towards writing a design specification. Mood board/product analysis homework	Use research to build resources to inform design ideas. Include commercial products and useful shapes.	Develop design ideas using hand drawing skills using annotated sketches.	Further develop design ideas using different techniques in CAD. (Iterations)	Create a card model(s) to test ideas to enable to produce a functioning product.	Be able to explain the different tools and features used in 2d design. Develop use of specialist software and refine ideas against the specification .	Produce fully functioning product, test and evaluate . Testing, evaluation and further product development.
Assessment	Peer feedback	Peer and teacher feedback (Verbal)	Teacher verbal feedback	Teacher feedback via teams	Verbal feedback	Teacher feedback via teams	Using pro forma on back of booklet – teacher feedback.

Resources needed at home – internet access, basic drawing equipment including colouring pencils.

Parental support – Product testing and product feedback.

Where will we use these ideas again:

Research, specification, design and evaluation are all part of the design process and will be used in another design and make task throughout the year.