CATHEDRAL SCHOOLS TRUST | BRISTOL CATHEDRAL CHOIR SCHOOL

Gathered together, that all may thrive

KS3 Y7 Design Technology	**Name plaque - weekly lessons powerpoints on the google classroom.** Investigating existing products and designers, what makes good design? How to plan your project, materials (WOOD) where it comes from, where it can be used, Students will learn how to design and develop ideas based on analysis. Students will learn how to use 2D design (CAD/CAM) to make pieces using the laser cutter. Blended learning will also include modelling using google sketchup CAD.	**TEXTILES -** Please see the POS for Textiles
KS3 Y8 Design Technology	**Clock Project - weekly lessons powerpoints on the google classroom.** Students design and make a clock based on a culture. This will then be used to inspire their own work. They will find out about plastics, where they come from, how they can be manipulated. Students will learn how to work to a specification and analyse against a specification. Students will use hand techniques and CAD/CAM to produce a clock. Blended learning will also include modelling using google sketchup CAD.	**TEXTILES -** Please see the POS for Textiles
KS3 Y9 Design Technology	**Passive speaker project - weekly lessons powerpoints on the google classroom.** Students will design and make a passive speaker. Students are introduced to a variety of design movements where they then choose their favorite. They will find out about manufacturing scales and how to design for a client's needs. This is then used to inspire their own work. Students will practice their CAD and hand making skills taught in year 7 and 8. Blended learning will also include modelling using google sketchup CAD to scale.	**TEXTILES -** Please see the POS for Textiles
KS4 Year 10 3D Design	**UNIT 1 - landscape lesson powerpoints will be accessed through the google classroom.** Internally set unit of work designed to push students' understanding of 'what is design?' and encourage high quality drawing, models, recording and thinking skills. Students work to internal deadlines set and agreed by staff. Students will be taught 3d drawing, technical drawing, CAD, How to experiment and develop ideas, Modelling and material finishes.	**COMPONENT 1 - Portfolio (60%)** Unit 2: Students are given the choice of 4 starting points for a project. Students are guided through their work with tutorials and encouraged to maintain their pace with interim deadlines.

KS4 Y11 Design Technology	**Lesson powerpoints and tracker are in the google drive, the folder is named DT student resources.**
	Students will be working through a set brief given to them by AQA. They will also be given theory lessons to re-cap year 10 theory.
	Students will have 5 theory booklets, which they will fill in for the 5 units of Work. An element of design and make will be incorporated into each section. For example a manufacturing task where they work as a production line, a 3d drawing unit, smart material investigation.