

Curriculum Information for Parents

Key Stage 3 Design Technology

Learning Leader Contact Information		Phone: 01908 563468	Email: Michael.pearce@ewsacademy.org.uk
Examination Board	NA	Specification Code	NA

Subject Content

The KS3 Design Technology course is split into 4 projects each lasting one term (approx. 6 weeks), students complete project 1 and 2 in year 7 and then 3 and 4 in yr8 (studying food and Art on rotation around these).

Project 1.

Design and make a personalized photo frame; work includes Survey, Design specification, 2d hand drawing, 2D computer aided design work, laser cutting, practical in workshop (making in MDF), evaluation

Project 2.

Design and make a desk tidy; work includes product analysis, Design specification, isometric 3d drawing, 3D CAD software modelling, practical on workshop tools (making in MDF, pine, Plywood) evaluation.

Project 3.

Design and make Pewter cast Jewellery or keyring with packaging: work includes, metal research, design criteria, Scamper Design, 2d hand design, 2D Computer aided design, metal casting in workshop, packaging design, 3d nets for packaging and requirements of packaging, evaluation.

Project4.

Design and Make MP3 player amplifiers; work includes soldering the electronics from kit, Detailed product analysis, Design Specification, 3D hand drawing, 2d Computer aided design work, Laser cutting Vacuum forming of plastic, strip heating plastic, assembly and evaluation

Additional Equipment Required:

Assessment Details

The assessment Criteria is linked to KS3 national curriculum skills. Each project is awarded a grade which is 50% of practical outcome and 50% on supporting folder work. The assessment criteria are detailed in the student work books.

There is an end of year DT exam in yr7 and yr8, which tests the topics covered and provides opportunity for a design also.

What can I do to support my child at home?

Support them completing homework set on go 4 schools. These are strongly linked to completing the projects and are often research relating to their designs.

Curriculum Information for Parents

Recommended resources for the course:

Useful website for DT revision
www.technologystudent.com

Teaching Staff Contact Details

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Additional Information:

Thanks for your support in advance for the parent contributions that allow the students to make such high quality practical outcomes that support their learning