

Curriculum Information for Parents

Key Stage 5 Product Design

Learning Leader Contact Information		Phone: 01908 563468	Email: michael.pearce@ewsacademy.org.uk
Examination Board	AQA	Specification Code	Design and Technology: Product Design 7552

Subject Content

2 year course 50% of grade final exams and 50% coursework project.

Intro to course is designer influence mini chair project. Pupil's produce 5 pages from an A level project along with a 10th scale model chair 4 weeks.

Next decide on coursework project (open choice) needs to have real life need and client to work with.

This project runs from November of yr12 to February of yr13 and is worked on about 6 out of the 8 lessons every 2 weeks during this time, and includes the following parts in total is about 50 hours work.

- Background information leading to a Design Situation and Brief
- Time plan gantt chart
- Wide range of Research
- Research analysis
- Design Specification
- Initial designs
- Developed ideas
- Modelling
- Cad modelling / 2d design drawings
- Final design
- Orthographic drawing and isometric drawing
- Cad drawings
- Cutting list
- Production plans
- Practical work
- Diary of make
- Testing/evaluation
- Evaluation/comparing your product to specification
- Further development including mass production

The exam is prepared for alongside the student projects at about a lesson a week. (Topics on AQA product design Spec). The final 2 terms of yr13 are focusing on revising and exam technics ahead of the exams.

Additional Equipment Required:

Computer is advantage if has MS publisher and Fusion 360 CAD (free to download).

Fine lines and color pencils and calculator for exam and NEA work

Assessment Details

2 exams together worth 50% of final grade sat in yr13 and Coursework running over both years of the course worth the other 50% of grade out of 100 marks as below.

Identifying and investigating design possibilities 20

Producing a design brief and specification 10

Development of design proposal(s) 25

Development of design prototype(s) 25

Analysing and evaluating 20

What can I do to support my child at home?

Please support helping them complete homework. Coursework projects also require access to a real life client to design for, so supporting them visit clients is also very useful.

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Recommended resources for the course:

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Full exam spec

<https://www.aqa.org.uk/subjects/design-and-technology/as-and-a-level/design-and-technology-product-design-7552>

Text book (recommend students buy their own copies for home use.

https://www.amazon.co.uk/AQA-AS-Level-Design-Technology/dp/1510414088/ref=sr_1_1?s=books&ie=UTF8&qid=1537538295&sr=1-1&keywords=A+level+aqa+product+design

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Additional Information:

After school DT work on Mondays and Wednesday for support with practical or folder/CAD work, option all to all and mandatory for any falling behind with work.

Course trip to Product Design in action. (Lectures and talks from real designers at London university) in November (yr12/13).

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