

KEY STAGE 4 CURRICULUM INFORMATION

KEY STAGE 4 DESIGN TECHNOLOGY

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Examination Board	AQA	Specification Code	Design and Technology (8552)
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Year 10

- Is a complete practice NEA project with feedback ahead of NEA starting June of yr10. Theory is taught lesson every week the other 3 lessons over 2 weeks are the NEA practice project.
- Design and make lamp project
- Work to include Design movements, manufacturing methods, (wood joints, vacuum forming laser cutting). Product analysis materials research, client interviews and profiles, design specification,
- Initial designs (isometric drawing), 3d Computer aided design modelling, 2d design work, and laser cutting and vacuum forming depending on student's designs. Practical making lamps and evaluation
- The themes are released for Non Exam assessment 1st June,
- Term 6 Research and design section, (using work from lamp project as template).

Year 11

- Terms 1 to 3 are working on Non exam Assessment task for a Feb half term deadline worth 50% of total GCSE grade. Complete Design work and Practical work for Controlled assessment all work on own choice of projects
- Production plan and photo diary on going homework during this time. Some exam preparation for trial exams.
- Testing and evaluation of their finished Non exam assessment practical work (test to spec, 3rd party testing and suggested improvements.
- Complete all non-exam assessment work for marking February half term
- Terms 4 and 5 are GCSE revision of all content covered and practice exam papers.

ASSESSMENT DETAILS

Mock exams sat end of yr10 and in terms 2 and 4 of year 11.

Practice projects and real Non Exam Assessment work is assessed in line with the Non exam assessment criteria from AQA GCSE. 100 marks.

- Identifying & investigating design possibilities - 10
- Producing a design brief & specification - 10
- Generating design ideas - 20
- Developing design ideas - 20
- Realising design ideas - 20
- Analysing & evaluating -20

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ADDITIONAL EQUIPMENT REQUIRED

- Access to a computer for homework is useful but can use computers in school at breaks and lunch and after school (Wednesdays)
- Google slides (free) and 2D design software (trial version can be downloaded) Tinker CAD, Sketch up for schools (both free and cloud based) Fusion 360 CAD/onshape software free for student license.
- North site, Additional lamp mechanisms.

TEACHING STAFF CONTACT DETAILS

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