

Design Technology AQA GCSE

Year 10

Please use this route through to find out what students are learning in the classroom and beyond.

Please contact us or visit our website for more information.

Subject	What are students learning in lessons?	What are students learning in home learning?
Autumn Term 1	Sources and Processing of Materials: timbers, metals and polymers and their environmental impact. Cutting, Joining and Finishing: tools and methods for working with timbers, polymers and metals accurately.	1 hour per week: Seneca learning and quizzes reviewing knowledge from lessons or preparing for future learning.
Autumn Term 2	CAD/CAM: using technology to create products with complexity. Mock NEA: using a context as stimulus for research and design. Industry & Enterprise: why new designs are generated and how they are funded.	1 hour per week: Seneca learning and quizzes to review knowledge or prepare for future learning, reviewing and improving mock NEA written evidence.
Spring Term 1	Mock NEA: research and analysis to help develop and present design ideas. Design Strategies: iterative and user led design in an exam and NEA context.	1 hour a fortnight: exam practice. 1 hour a fortnight: reviewing and improving mock NEA written and design evidence.
Spring Term 2	3D Drawing Techniques: isometric, perspective and orthographic. Design Development: evaluation and iteration of design ideas through drawn and physical modelling.	1 hour a fortnight: Exam practise. 1 hour a fortnight: Reviewing and improving mock NEA written and design evidence.
Summer Term 1	New Materials: properties and developments in composite, smart and modern materials. Energy Generation: consideration of finite & non-finite energy. Making: producing a unique prototype.	1 hour a fortnight: revision and exam preparation for end of year exams. 1 hour a fortnight: finalising design folder.
Summer Term 2	NEA (50% of final GCSE grade): responding to an AQA set context as stimulus for a research, design, develop, manufacture and evaluation process. Revision, rehearsal & exam preparation for end of year exams.	1 hour a fortnight: revision and exam preparation for end of year exams. 1 hour a fortnight: reviewing and improving NEA research.
Every mark matters	Assessment	Key contacts
	Students think hard, answer lots of questions and get feedback on their work every lesson. Exam: Spring 1 and Summer 2. Mock NEA Autumn 2 - Summer 1. Real NEA Summer 2 ongoing.	Head of Department: Nicola.Smith@ theregisschool.co.uk