



Year 11 Design Technology

Curriculum Leader: Mr Steve Finch

Exam Board: Pearson EDEXCEL

Through the study of Design Technology, we believe that the development of the best solutions to problems result from a mix of applied knowledge, experimentation and the use of practical skills. It is within these principles that students can immerse themselves into the world of product design where outcomes take into account the needs of individuals, material limitations and social and environmental considerations. The study of the problem solving provides a template that can be applied to numerous situations in life and is the backbone of careers in engineering and design.

Topics to be covered in Year 11

| | Term 1 | Term 2 | Term 3 |
|--|---|--|-------------------------------|
| Topics to be covered | NEA <ul style="list-style-type: none"> Generating design ideas Developing design ideas Revision for Mock exam | NEA <ul style="list-style-type: none"> Realising design ideas Analysing and evaluating | Revision and Exam Preparation |
| Skills to be developed | <ul style="list-style-type: none"> Using the design process to research and develop a solution to problems. | <ul style="list-style-type: none"> The impact of new and emerging technologies How energy is generated and stored Developments in modern and smart and composite materials Revision Techniques | |
| Opportunities for revisiting previous learning | Y9 & 10 – revisiting the learning but adding more depth the knowledge. | | |
| When will formal assessment of progress take place? | December: Y11 Mock Exam May/June: GCSE Written Exam | | |

Year 11 Useful Resources

Websites

www.bitesize.co.uk

Marking, Assessment and Feedback

Over the course of an academic year students will complete a number of formal assessments, these will be used to assess where students are in their learning journey.

Information from these assessments could be used when making decisions regarding setting of students, reporting progress home and predicting outcome. Regular verbal feedback is used in lessons to inform students of their progress and areas they can improve. Teachers will continue to provide planned written feedback on selected pieces of work.

Homework

Homework will be set using the online platform Go4Schools.

Homework tasks are designed to prepare students for future learning or consolidate work completed in the classroom. It will be clear what should be handed in, when it should be handed in and how it should be handed in.

Contact Information

If you would like to contact the Design and Technology Department please email: design@gilberd.com.

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