



DRAYTON MANOR HIGH SCHOOL

YEAR 10 & 11 COURSES

Subject Design and Technology/Product Design

Course Level GCSE

Examining Body AQA

What will I be studying?

Year 10

- Classification and working properties of materials
- Processes
- Manipulating materials
- Design in human context
- Social, cultural, moral and environmental Issues
- Health and Safety
- Computing
- CAD and CAM
- Designing and making skills and principles
- 'Design and make' activity using NEA criteria and marks

Year 11

- NEA task
- Exam preparation
- Written examination

What skills will I develop?

- Computing skills
- Application of number
- Literacy
- Working with others
- Communication skills
- Problem solving
- Practical and technical skills
- Designing and making skills
- Investigation of primary and secondary data
- Working within environmental, social and economic challenges
- Developing prototypes
- Working with a regard to tolerances and managing materials
- Understanding of new and emerging technologies and energy storage and generation
- Using modern and smart materials
- Using a systems approach when designing
- Working with mechanical devices

How will the course be structured?

The course is comprised of 50% NEA (Non Exam Assessment) and 50% written examination

Year 10

- Knowledge, skills and processes that cover 3 main principle areas: Core design principles, specialist technical principles and designing and making principles
- Design and make activities

Year 11

- Completion of NEA Task
- Exam preparation
- Written examination

How will I be assessed?

Unit 1

Written exam worth 50% (100 marks)
2 hours

Unit 2

1 non-exam assessments (NEA – 100 marks) worth 50%

Practical application of core technical principles, specialist technical principles and designing and making principles demonstrated within a portfolio of evidence (takes approximately 30-35 hours)

If you have any further questions about taking this course, who should you speak to?

1. Your DT Teacher
2. Head of Design and Technology – Ms Walshe