



DRAYTON MANOR HIGH SCHOOL

Success at Sixth Form – Subject Specific Tips

Subject	Product Design		
Class and homework expectations			
Students should bring the following items to each lesson		AQA Textbook Sketch Book	
Folder including		Equipment/stationary	
<ul style="list-style-type: none"> • Assessment record sheet • Past papers pack • Revision pack • Specification checklist • Completed work/Evidence 		<ul style="list-style-type: none"> • Pens • Ruler • Pencil • Paper • Rubber/Sharpener • Memory Stick • Scientific Calculator 	
Scheme of Work			
Year 12		Year 13	
Students will work through theory and practical projects throughout the year to cover all assessment objectives. They will work in various mediums to allow students to gain a better understanding of materials finishes and limitations.		<ul style="list-style-type: none"> • Students will continue to work on the theoretical elements of the course as well as beginning their NEA. Students begin their NEA task based on a design brief and situation of their choice. They complete a design portfolio as well as an end outcome. 	
Assessment Objectives			
AO1: Identify, investigate and outline design possibilities to address needs and wants.	AO2: Design and make prototypes that are fit for purpose	AO3: Analyse and evaluate: <ul style="list-style-type: none"> • Design decisions and outcomes, including for prototypes made by themselves and others. • Wider issues in design and technology. 	AO4: Demonstrate and apply knowledge and understanding of: <ul style="list-style-type: none"> • Technical principles • Designing and making principles.
Assessment			
Paper 1 - Exam - Technical principles			
2 hour 30 minutes written paper worth 80 marks (20% of A Level)			
Mixture of short answer and extended response			
Paper 2 - Exam - Designing and making principles			
1 hour 30 minutes written paper worth 120 marks (30% of A Level)			
Mixture of short answer and extended response questions.			
Section A: Product Analysis: 30 marks			
Up to 6 short answer questions based on visual stimulus of product(s).			
Section B: Commercial manufacture: 50 marks			
Mixture of short and extended response questions			

NEA (Year 13) Practical application of technical principles, designing and making principles.

60 hours of work worth 100 marks. (50% of A Level)

Should be a written (or electronic) design folder with a manufactured outcome. Candidates submit evidence of a simple, substantial designing and making activity.

How to do well in Year 12 and 13

- Attend all lessons and catch up with any work missed on SMHW and by seeing your teacher
- Keep your assessment record up to date and work on the feedback given by your teacher.
- Practicing past paper questions and the exam skills
- Students should know all key terms
- Use case studies and examples at all times – answers should always be in context
- Use connectives to develop points in full
- Ensure they are up to date with changes in design and industry.
- Practice with a range of different material types ensuring they know how to complete product to a high standard in a range of mediums.

Support available

- Revision classes will be scheduled in the run up to the exams.
- Can work independently with technician support in free periods.

How parents can help support

- Please help your son or daughter to organise their folder and keep it up to date
- Check that they are doing homework
- Talk to them about technology in the news
- Discuss with them any letter you receive about opportunities or issues

Helpful websites or resources

Websites:

www.aqa.co.uk

Revision books:

My Revision Notes: AQA A Level Design and Technology: Product Design

ISBN-10: 1510432299

Essential Maths Skills for AS/A Level Design and Technology

ISBN-10: 1510417060