#### GCSE

Design and Technology

Thinking of studying at GCSE?



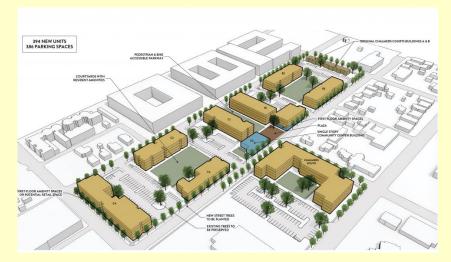




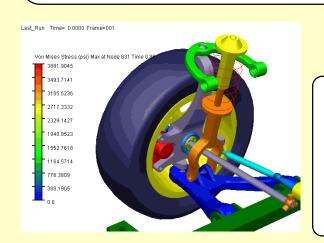
#### What will you learn?

You will learn a range of transferable practical and theoretical skills:

- Communicate and develop ideas through sketches and models
- Manipulate materials and use tools to create your ideas
- Generate creative solutions to benefit people and the planet
- Learn how products are manufactured in industry
- Learn about the built world







Work with traditional and modern technology such as:

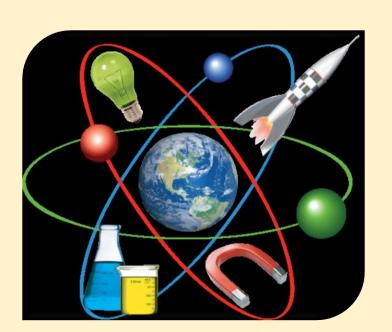
- Computer Aided Design (CAD)
- Computer Aided Manufacturing (CAM)
- 3D printing

The course combines theoretical content with practical application

15%

Of overall grade

Mathematical skills is a key requirement and is tested in the exam





An understanding of scientific principles is expected

#### Exam



Of overall grade

5

Figure 2 shows a street lamp designed to automatically provide light for people walking at night.



		Figure 2		80	
Suggest a suitable	in put and outp	out compone	nt for the stree	t lamp.	[2 marks]
n put					
Output	<u> </u>	**	**		
itate <b>two</b> propert	ies of plγwood.				[2 marks
Lo <u> </u>				.06	90, 3
2		500			

14.1

You will sit a 2 hour exam, which tests knowledge of:

- Design principles
- Materials
- Processes
- Maths (15%)



## Non - Examination Assessment (NEA)

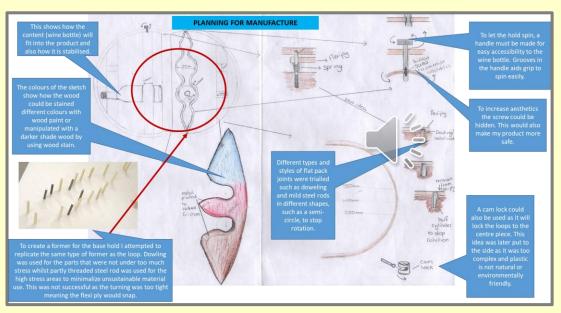






You will **design** and **produce** a prototype/product

You will produce a portfolio of evidence (maximum **20** x Slides)



### Throughout the DT GCSE course

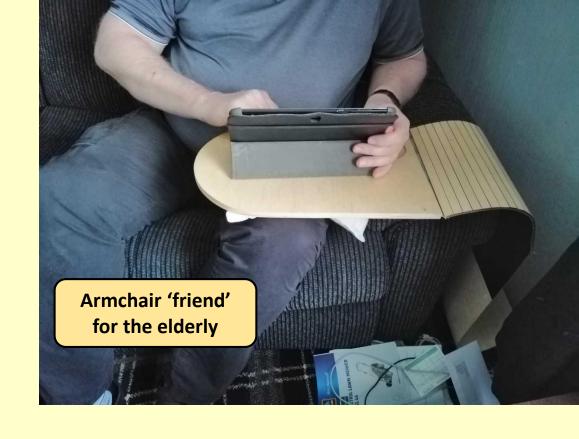
You will be supported by your DT specialist, but, you will need to be...

- Resilient
- Independent learner

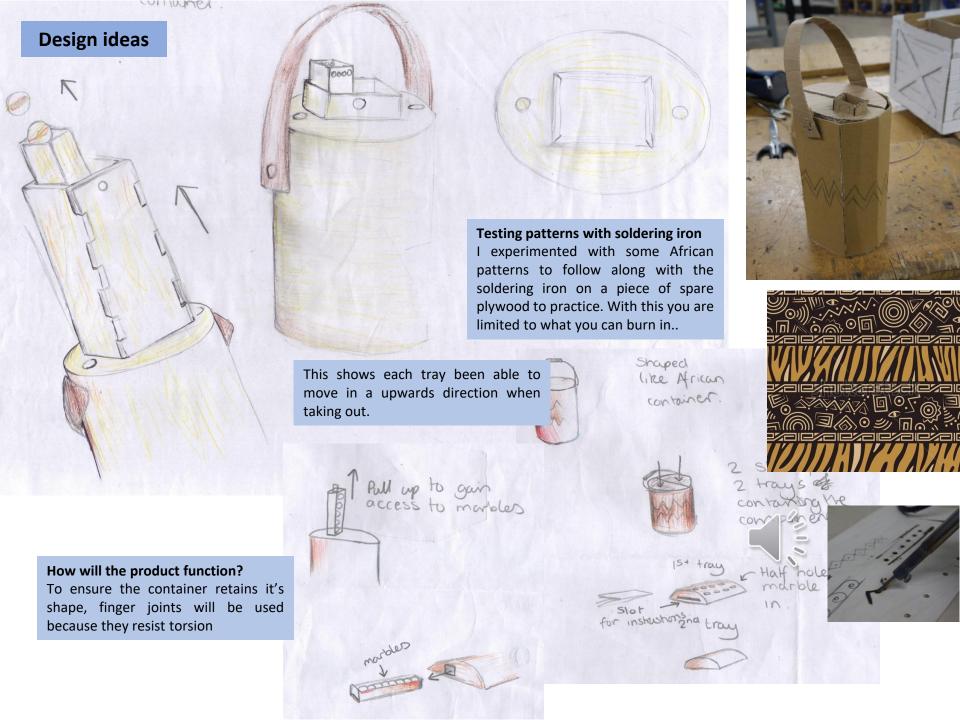
Target Grade Year 11	CHAPTER 27: Sources, orgins and properties (20	CHAPTER 28: Working with timber based materials (20)	CHAPTER 29: Commercial manufacturing, surface treatments and finishes (20)	MS Forms	TIMBER ASSESSMENT	Progress	CHAPTER 16: Metals and alloys (20)	CHAPTER 30: Sources, orgins and properties (20)	CHAPTER 31: Working with metal based materials (20)	CHAPTER 32: Commercial manufacturing, surface treatments and finishes (20)	AVERGAE BOOKLET MARK	MS Forms	Progress	CHAPTER 17: Polymers (20)	CHAPTER 33: Sources, orgins and properties (20)	CHAPTER 34: Working with polymer based materials (20)	CHAPTER 35: Commercial manufacturing and quality control (20)	AVERGAE BOOKLET MARK	MS Forms	Progress
5				86%	68% 14%		73% 45%	80% 40%	64% 36%	86% 52%	76% 43%	73%		95% 30%	91% 41%	90%				
6					35%		73%	37%	12%	66%	47%			65%	55%					
5					18%		7.576	3776	12/6	00%	1770			50%	55%					
3					11%		45%	31%	4%	26%	27%			55%	41%	55%	32%	46%		
4				38%	23%		64%	46%	32%	68%	53%			55%	41%	35%	48%	45%		
7				76%	52%		73%	74%	52%	76%	69%			95%	91%	70%				
4				22%	18%		45%	37%	16%	30%	32%			60%	59%					
4				34%	9%		45%	46%	28%	0%	30%			65%	45%					
4					54%		64%	40%	28%	72%	51%			35%	45%	50%	36%	42%		
3							45%	40%	28%	22%	34%			25%	36%	55%				
4					29%		18%	51%	44%	52%	41%			50%	50%					
6				70%	54%		64%	69%	48%	64%	61%	55%		70%	73%	65%	70%	70%		
1 (4)				44%	23%		55%	57%	52%	56%	55%			70%	77%	50%				
8				64%	45%		64%	63%	56%	72%	64%	65%		55%	64%				60%	
6				36%	26%		55%	40%	24%	6%	31%			65%	68%					
3				6%	32%		64%	37%	20%	48%	42%	8%		40%	18%	35%	28%	30%	13%	
6					11%		45%	34%	16%	36%	33%			45%	36%					
6?							55%	60%	32%	70%	54%			35%	36%					
6					32%		55%	37%	24%	34%	38%			60%	50%	35%				
6					5%		36%	0%	0%	0%	36%			45%	26%	200/	4504	400/		
4							73%	0%	20%	28%	30%			25%	59%	30%	46%	40%		

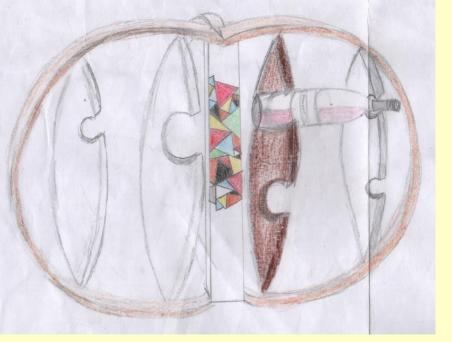
- You will cover 50 topic areas, which will be assessed by a range of small examinations and MS forms quizzes
- Your progress will be tracked over the duration of the course to help you meet or exceed your target grade



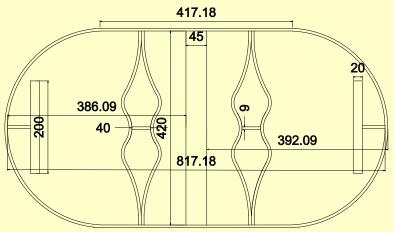


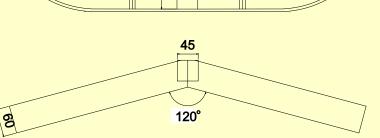
GCSE DI (s) examples









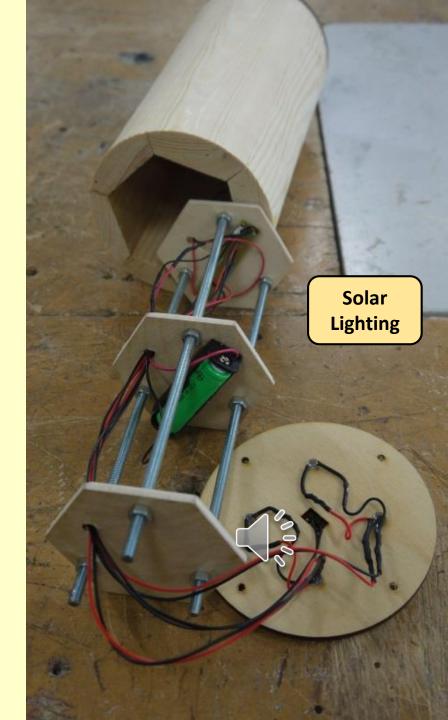


Flatpack 'rotating' Wine Rack



# GCSE DT examples 2019

Candelabra made from recycled timber



Perfect preparation for A Level DT or apprenticeships

**Future careers** Architec ECO DESIGN Industrial Design For further information contact:

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