

**GOOD
THINGS
COME
TO THOSE
WHO**

PERSEVERE



GCSE
Information
Evening
Thur 3rd Oct
2024



Engineering Level 1/2

The Exam board is WJEC

Unit 1 Manufacturing Engineering Products = 40%

Unit 2 Designing Engineering Products = 20%

Unit 3 External Exam = 40%

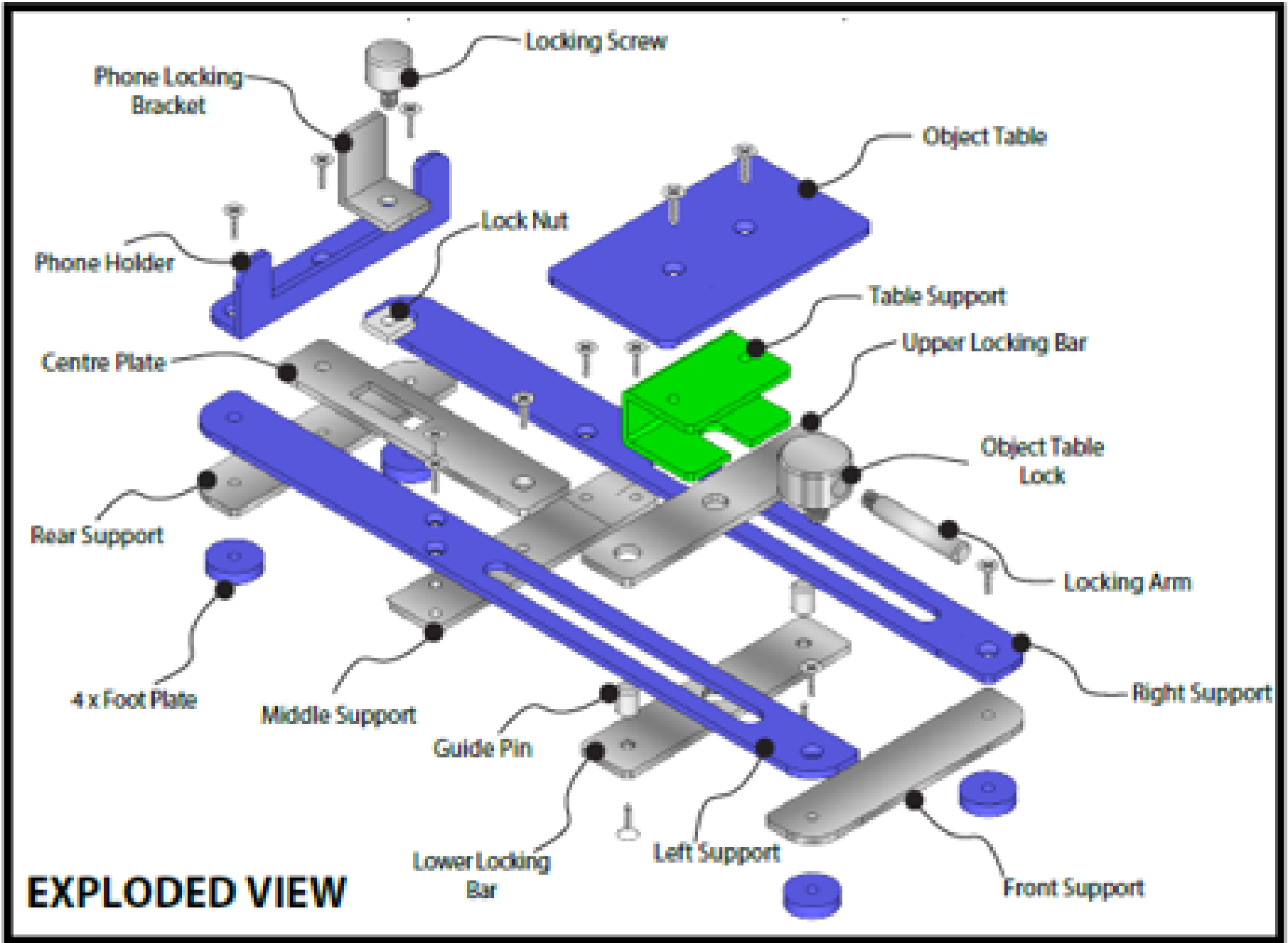
Unit 1 Manufacturing Engineering Products = 40%

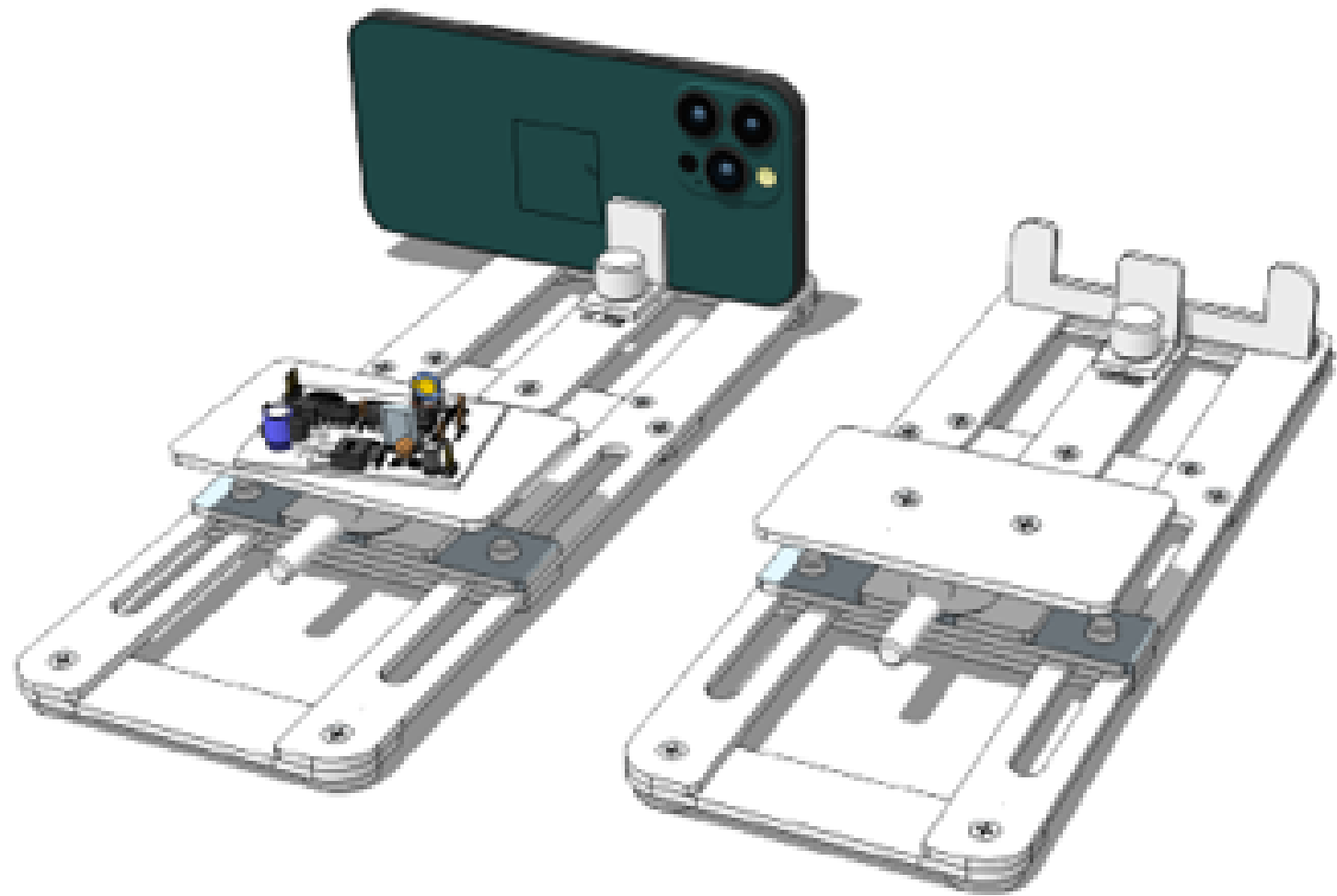
This comprises of:

An engineering diary

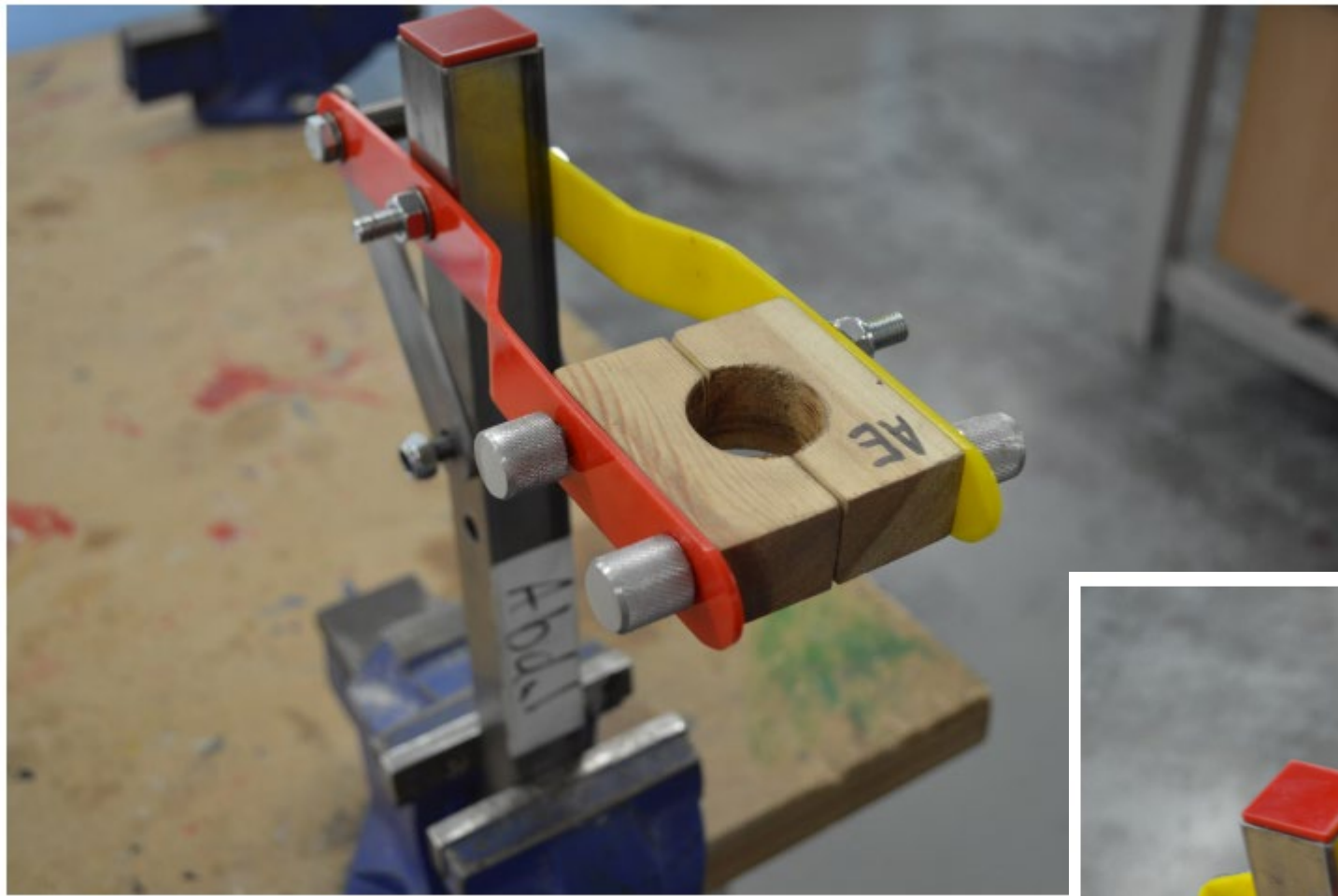
A 20 hour practical task involving 15 different machined parts

This is due in: December 2025 (In Y11)





VISUAL 1



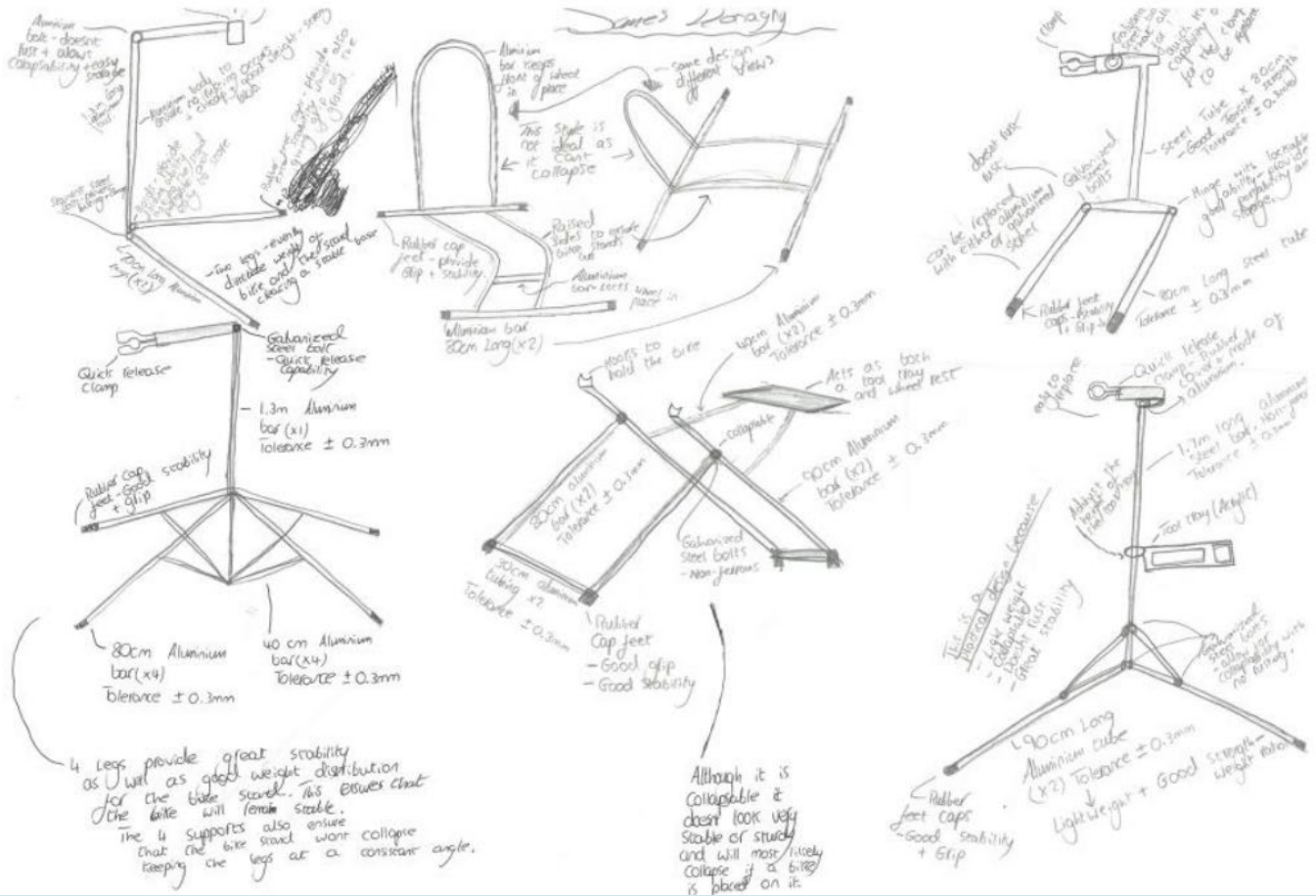
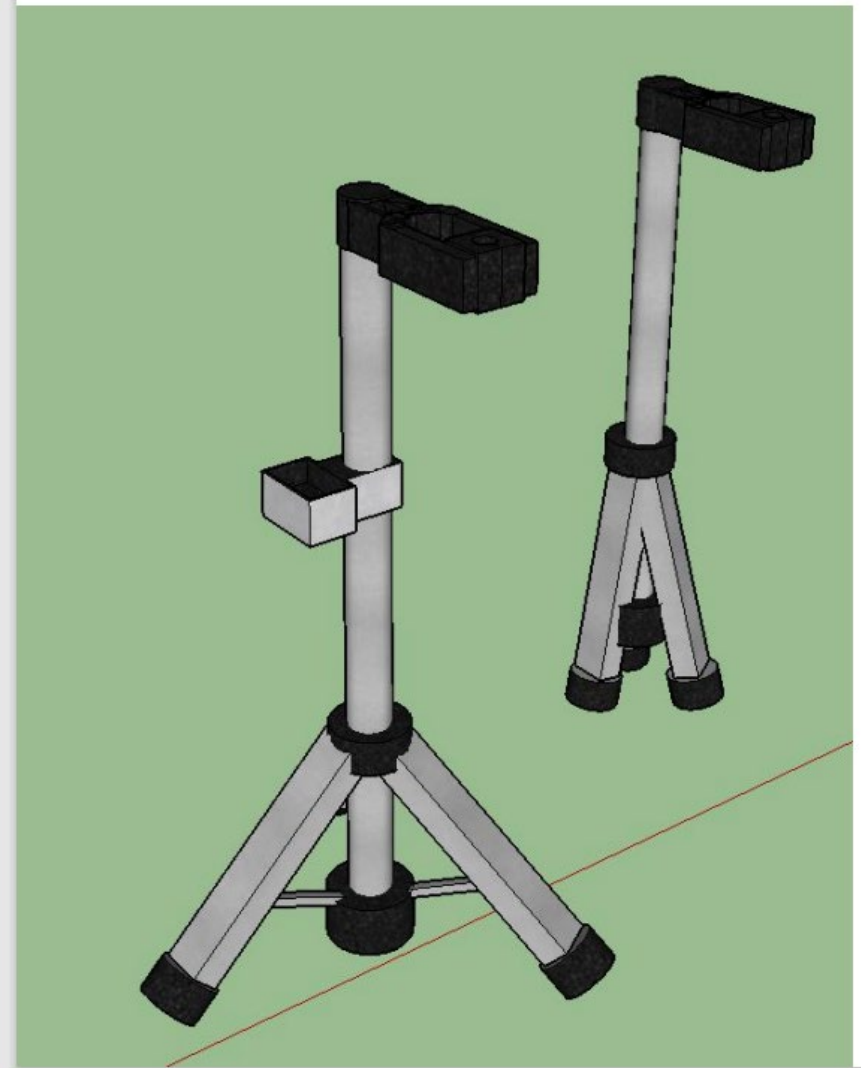
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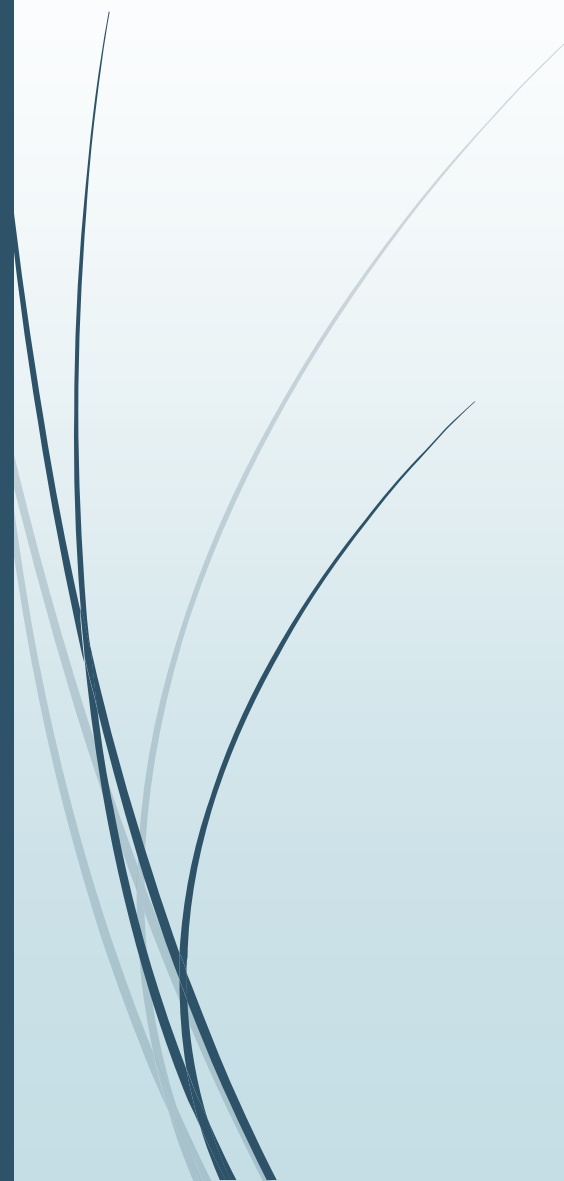
Unit 2 Designing Engineering Products = 20%

This comprises of:

- A design folder based on Unit 1
- A 3D working model

This is due in: February 2025





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Unit 3: 90 minutes External Exam = 40%

This comprises of: Questions based on the theory covered in Units 1/2

This takes place: June 2026

3. Shown below are two pieces of equipment used in an engineering workshop.

(a) (i) Complete the table below by correctly writing a description of its use. $2 \times [1]$

Engineering equipment	Equipment name	Equipment use
	Centre Punch
	Outside Callipers

(ii) State **three** safety precautions you should apply before you use a milling machine. $3 \times [1]$

Precaution 1:

Precaution 2:

Precaution 3:

(iii) Name **two** measuring tools that are used for quality control and describe how they are used. $2 \times [2]$

Measuring tool 1:

Description:

Measuring tool 2:

Description:

L2 Courses – Grades explained

L2 D* = Level 2 Distinction Star = The best grade that can be achieved.

L2 D = Level 2 Distinction

L2 M = Level 2 Merit

L2 P = Level 2 Pass

Below this line is not a good pass. This will mean colleges will not take you on courses of your choice and you will need to redo the L2 part of the course if they can find a suitable course for you. This also means that you start on a lower point than other apprentices who have L2 grades above this line.

L1 D* = Level 1 Distinction Star

L1 D = Level 1 Distinction

L1 M = Level 1 Merit

L1 P = Level 1 Pass

This Level 2 course allows you to pursue a career in engineering, the UK is currently acknowledged as one of the world leaders in this sector. Our universities have some of the best engineering courses in the world opening the doorway for an incredible career in this sector.

Career pathways after completed a L1/L2:

- Apprentices in engineering
- Collage courses, L3 engineering
- A Levels
- University degree courses in engineering

1. Chemical Engineering
2. Aerospace Engineering
3. Nuclear Engineering
4. Process Engineering
5. Electrical Engineering
6. Mechanical Engineering
7. Project Engineering
8. Structural Engineering
9. Manufacturing Engineering
10. Civil Engineering