



Tech Award Engineering Mock Revision List

Year 11 – November 2025

Unit/Exam Tech Award L2 Engineering 60 marks 40% of qualification	Question 1 • Properties of a folding bike • Parts of a folding bike and their function • Material properties • Types of ferrous and non-ferrous metals • Joining techniques of metal tubing • The importance of maintenance
	Question 2 • Modern and traditional road signs • Smart materials
	Question 3 • Hand tools for marking it and measuring • Milling machine (operating) • Maths • Orthographic projection

Essential equipment

Black pens, pencils, rubber, 300mm ruler, scientific calculator.

Key Information

Question 1

Product analysis focusing on the properties of the materials and rational for the materials chosen.

Explanation using notes and sketches as to how a join can be manufactured and applied.

Question 2

Product analysis focusing on the properties of the materials and rational for the materials chosen and how it is used within modern society.

Material properties and their application and uses within modern products.

Sustainability.



Testbourne Community School

Question 3

Names of different hand and machine tools and their application.

Possible health and safety questions.

Maths questions normally focussing on %, volume, area, waste materials.

10-15% will be maths based.

Revision materials

Pearsons, WJEC past papers.

Revision materials on Teams and Working from home folder

Suggested revision activities

Use flash cards or revision maps to test yourself on each topic. Answer practice papers from WJEC Engineering Tech Award past papers.

Revise Tear 3 vocabulary. Log in to Seneca and complete online tests/quizzes.