



Engineering Technical Award Mock Revision List

Year 11 – March 2025

Preparation, forming joining and finishing of materials	<ul style="list-style-type: none">• Describing engineering processes• Risk assessments and safe working practices
Properties and testing materials	<ul style="list-style-type: none">• Understanding the physical properties of materials• Physical properties required for specific products (examples)• How materials are tested to determine their physical properties
Solving engineering problems	<ul style="list-style-type: none">• Maths and calculations within Engineering including Areas and volume, costs, scale, Ohm's Law• Technical details in engineering drawings
Understanding properties of engineering materials	<ul style="list-style-type: none">• Understanding materials, their properties, and their selections for specific purposes• Differences between thermoforming and thermosetting polymers• Smart and composite materials
Understanding the effects of engineering achievements	<ul style="list-style-type: none">• Describing engineering developments• The effects of engineering developments• How environmental issues affect engineering

Specification & Link to Past Papers

Essential equipment

Black pens, pencils, rubber, 30cm ruler, protractor and scientific calculator.

Revision materials

Revision resources on Teams, Sharepoint,

Suggested revision activities

Flash cards to test yourself on each topic. Answer practice exam questions and use the mark schemes to check and correct your answers.

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