

Year 11 Guided Revision

Subject: **AQA GCSE Design and Technology 8552**

Exam Date: **10th June 2026 (PM)**

Duration: **2hrs**

Exam: **50% of final grade**

Use the revision guide...

Collins AQA GCSE 9-1 Design and Technology - ISBN:978-0-00-822740-1

Contents...

Pages 1-160	Knowledge Revision, Practice exercises & Review Questions
Pages 161-200	Workbook
Pages 201-220	Practice Exam Paper



Student Independent Study Schedule

Week beginning	Recommend Focus...
1 W/b 24th Feb '25 (PPE2)	NEA Industrial Practice including Product Specification, and Evaluation completion
2 W/b 3rd Mar '25	NEA Industrial Practice including Product Specification, and Evaluation completion
3 W/b 10th Mar '25	Tools Equipment and Processes: Scales of Manufacture... Revise Page 92 - Practice page 116 - Review Page 128 Materials and Their Properties: Standard Components Revise Page 74 - Practice page 89 - Review Page 113
4 W/b - 17th Mar '25*	Approaches to designing: Ecological, Environmental and Social Issues Revise page 16 – Practice page 21 – Review Page 36
5 W/b - 24th Mar '25	Tools Equipment and Processes: Manufacturing Processes (Select Relevant Material Areas as guided by your Dt teacher) [] Paper and Board [] Polymers [] Timber-Based Materials [] Textiles and Electronic Systems [] Metals and Alloys Revise Pages 92-100 - Practice pages 116-121 - Review Pages 128-131
6 W/b - 31st Mar '25	Materials and Their Properties: Properties of Materials Revise Page 60 - Practice page 84 - Review Page 108 New Materials Revise Page 72 - Practice page 89 - Review Page 113
7 W/b - 7th Apr '25	Mock exam preparation , including past papers - see google classroom
8 W/b - 14th Apr '25	Mock exam preparation, including past papers - see google classroom
9 W/b - 21st Apr '25	Materials and Their Properties: Materials (Select Relevant Material Areas as guided by your Dt teacher) [] Materials: Paper and Board [] Materials: Timbers [] Materials: Metals [] Materials: Polymers [] Materials: Textiles Revise Page 62-70 - Practice page 84-88 - Review Page 108 -111
10 W/b - 28th Apr '25	Materials and Their Properties: Finishing Materials Revise Page 76 - Practice page 90 - Review Page 114 Selection of Materials Revise Page 78 - Practice page 90 - Review Page 114

11 W/b - 5th May '25	Materials and Their Properties: Working with Materials Revise Page 80 - Practice page 91 - Review Page 115 Tools, Equipment and Processes: Measurement and Production Aids Revise Page 104- Practice page 121 - Review Page 133 Ensuring Accuracy Revise Page 106 - Practice page 121 - Review Page 133
12 W/b - 12th May '25	Approaches to Designing: The Work of Others: Designers Revise Page 12 - Practice page 19 - Review Page 38 The work of Others: Companies Revise Page 14 - Practice page 20 - Review Page 39
13 W/b - 19th May '25	Approaches to Designing: Electronic Systems Revise Page 10 - Practice page 18 - Review Page 37 Energy and Mechanisms: Energy Generation and storage Revise Page 46 - Practice page 58 - Review Page 82
15W/b - 26th May '25	May Half-term
14 W/b - 2nd Jun '25	Energy and Mechanisms: Mechanical Systems 1 Revise Page 48 - Practice page 59 - Review Page 83 Mechanical Systems 2 Revise Page 50 - Practice page 59 - Review Page 83
16 W/b - 8th Jun '25	New and Emerging Technologies Impact on Industry Impact on Production Impact on Society and the Environment Revise Page 122-126 - Practice page 134-135 - Review Page 136 -137
17 W/b - 15th Jun '25	Mixed Exam- Style Questions Revise Page N/A - Practice page 138 - Review Page 148 Exam Day - 18th June 2025

Top Tips & Quick Tricks: Make some **flash cards** using 3 different coloured cards. **Green** for knowledge you are secure about. **Amber/Orange** for knowledge you are unsure of. **Red** for knowledge you know you need to focus on.

Websites: [] [Senecalearning.com](https://www.senecalearning.com) [] [technologystudent.com](https://www.technologystudent.com)

Exam - Extended Answer Questions...

Each of the topics above will need to be explored as one of them will be chosen for the extended answer question (8 marks). This question will take the form of a discussion so it is important to know the advantages & disadvantages of each topic area so you can discuss positives and negatives.

EXAM Structure

Section A: Core Principles (20 Marks) - Ks3 Baseline Knowledge

Multiple choice questions based on the subject knowledge you have gathered during your 5yrs of study throughout d&t

Section B: Specialist Technical Principles (30 Marks) - Focus Specialist Material Area

Questions are focused on the subject knowledge you have gathered during your 2yrs of study including exam preparation.

Section C - Common Technical Principles: Designing & Making Principles (50 Marks)

Topic questions focused on common designing and making principles that apply to all materials areas.