



## Long Term Plan: Product Design 2025-2026

Y8/9 Product Design rotation

Y10 AQA GCSE D&T

Y11 AQA GCSE D&T

|                                                                  | Half Term 1                                                                                                                                                                                                           | Half Term 2                                                                                                                                                       | Half Term 3                                                                                                                                                                                                           | Half Term 4                                                                                                                                                       | Half Term 5                                                                                                                                                                                                           | Half Term 6                                                                                                                                                       |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Year 8</b><br>(9 week rotation)<br>"Personalised trinket box" | Design brief/task analysis client profile, product analysis & specification, initial design ideas, design idea development, making (comb joints/coping saw assembling), making (lid/base/pillar drill use).           | Making (disc sanding/pinning/filing/assembling/decoration/ making final improvements), product evaluation.                                                        | Design brief/task analysis client profile, product analysis & specification, initial design ideas, design idea development, making (comb joints/coping saw assembling), making (lid/base/pillar drill use).           | Making (disc sanding/pinning/filing/assembling/decoration/ making final improvements), product evaluation.                                                        | Design brief/task analysis client profile, product analysis & specification, initial design ideas, design idea development, making (comb joints/coping saw assembling), making (lid/base/pillar drill use).           | Making (disc sanding/pinning/filing/assembling/decoration/ making final improvements), product evaluation.                                                        |
| <b>Assessment</b>                                                |                                                                                                                                                                                                                       | Final product assessment                                                                                                                                          |                                                                                                                                                                                                                       | Final product assessment                                                                                                                                          |                                                                                                                                                                                                                       | Final product assessment                                                                                                                                          |
| <b>Year 9</b><br>(9 week rotation)<br>"My storage solution"      | Design brief/task analysis, user centred design approach and client profile, product analysis (using ACCESS FM) and specification, designing and developing ideas, making (comb joints/coping saw/fretsaw/assembling) | Making (templates/disc sanding/pinning/filing/ assembling/screwing together/surface finishing acrylic/decoration, making final improvements), product evaluation. | Design brief/task analysis, user centred design approach and client profile, product analysis (using ACCESS FM) and specification, designing and developing ideas, making (comb joints/coping saw/fretsaw/assembling) | Making (templates/disc sanding/pinning/filing/ assembling/screwing together/surface finishing acrylic/decoration, making final improvements), product evaluation. | Design brief/task analysis, user centred design approach and client profile, product analysis (using ACCESS FM) and specification, designing and developing ideas, making (comb joints/coping saw/fretsaw/assembling) | Making (templates/disc sanding/pinning/filing/ assembling/screwing together/surface finishing acrylic/decoration, making final improvements), product evaluation. |

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|                                      | mbling), making<br>dowel<br>joints/drilling.                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                             | bling), making<br>dowel joints/drilling.                                                                                                                                                                                                                                             |                                                                                                                                                                             | bling), making<br>dowel joints/drilling.                                                                                                                                                                                                                                    |                                                                                                                        |
| <b>Assessment</b>                    |                                                                                                                                                                                                                                                                                   | Final outcome<br>assessment                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                      | Final outcome<br>assessment                                                                                                                                                 |                                                                                                                                                                                                                                                                             | Final outcome<br>assessment                                                                                            |
| <b>Year 10</b><br><b>AQA D&amp;T</b> | <b>Paper 1 Theory-</b><br>3.1.6-Materials<br>and their working<br>properties<br>3.2.3-Ecological<br>and social footprint<br>3.2.4-Sources and<br>origins<br><br><b>NEA-</b><br>-Brief/Analysis/Res<br>earch<br>-Product Analysis<br>-Specification<br>-Generating<br>design ideas | <b>Paper 1 Theory-</b><br>3.1.1-New and<br>emerging<br>technologies<br>3.2.7-Scales of<br>production<br><br><b>NEA-</b><br>-Developing Design<br>Ideas<br>-Making<br>-Making/Final<br>Improvements/Eval<br>uation<br>-Brief/Analysis/Res<br>earch (start of new<br>project) | <b>Paper 1 Theory-</b><br>3.2.5-Using and<br>working with<br>materials<br>3.1.2-Energy<br>generation &<br>storage<br>3.1.3-Development<br>s in new materials<br><br><b>NEA-</b><br>-Product Analysis<br>-Specification<br>-Generating Design<br>Ideas<br>-Developing<br>Design Ideas | <b>Paper 1 Theory-</b><br>3.2.6-Stock forms,<br>types and sizes<br>3.2.9-Surface<br>treatments and<br>finishes<br><br><b>NEA-</b><br>-Developing Design<br>Ideas<br>-Making | <b>Paper 1 Theory-</b><br>3.1.4-Systems<br>approach to<br>designing<br>3.1.5-Mechanical<br>devices<br>3.2.1-Selection of<br>materials and<br>components<br>3.2.2-Forces and<br>stresses<br>3.2.8-Specialist<br>techniques and<br>processes<br><br><b>NEA-</b><br>Evaluation | <b>Intensive revision<br/>for D&amp;T mock exam</b><br><br><b>Reteach (based on<br/>QLA of mock)/Mock<br/>feedback</b> |
| <b>Assessment</b>                    | <b>Theory</b><br><b>assessment</b><br><b>1-Core &amp; specialist</b><br><b>technical principles</b><br><b>(3.1.6/3.2.3/3.2.4)</b><br><b>NEA Assessment</b><br><b>task (AO1) A/B</b>                                                                                               | <b>NEA Assessment</b><br><b>task (AO2) C/D/E</b>                                                                                                                                                                                                                            | <b>Theory</b><br><b>assessment 2-Core</b><br><b>&amp; specialist</b><br><b>technical principles</b><br><b>(3.1.1/3.2.7/3.2.5)</b><br><b>NEA Assessment</b><br><b>task (AO2) C/D</b>                                                                                                  | <b>Theory assessment</b><br><b>3-Core &amp; specialist</b><br><b>technical principles</b><br><b>(3.1.2/3.1.3/3.2.6/3.</b><br><b>2.9)</b>                                    | <b>NEA Assessment</b><br><b>task (AO2/AO3)</b><br><b>E/F</b>                                                                                                                                                                                                                | <b>Y10 Mock Exam</b><br><b>Paper</b>                                                                                   |
| <b>Year 11</b><br><b>AQA D&amp;T</b> | <b>NEA-</b><br>AO1 Identify,<br>investigate and<br>outline design<br>possibilities<br>(Section A)<br>AO1 Identify,<br>investigate and<br>outline design<br>possibilities<br>(Section B)<br>AO2 Design and<br>make prototypes<br>that are fit for                                  | <b>NEA-</b><br>AO2 Design and<br>make prototypes<br>that are fit for<br>purpose (Section<br>C)<br>AO2 Design and<br>make prototypes<br>that are fit for<br>purpose (Section<br>D)<br>AO2 Design and<br>make prototypes<br>that are fit for                                  | <b>NEA-</b><br>AO2 Design and<br>make prototypes<br>that are fit for<br>purpose (Section<br>E)                                                                                                                                                                                       | <b>NEA-</b><br>AO3 Analyse and<br>evaluate (Section F)                                                                                                                      | <b>Intensive revision<br/>for D&amp;T written<br/>exam</b>                                                                                                                                                                                                                  | <b>Intensive revision<br/>for D&amp;T written<br/>exam</b>                                                             |

|            | purpose (Section C)          | purpose (Section E)                                                                                    |                                                                   |                                                                                             |                                             |  |
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| Assessment | NEA A/B-Deadline w/c 29/9/25 | 100 mark full mock exam paper (to fall between w/c 20/10/25-10/11/25)<br>NEA C/D- Deadline w/c 8/12/25 | 100 mark full mock exam paper (to fall between w/c 2/2/26-9/2/26) | NEA E- Deadline w/c 23/2/26<br>NEA F- Deadline w/c 16/3/26<br>Full NEA Deadline-w/c 16/3/26 | Final NEA marks to exam board before 7/5/26 |  |