

Year 11 Post-Lockdown Assessment Plan – March 2021: Design and Technology

Aspect	Details																											
Course audit	<p>AQA Design and Technology – Topics covered for the Exam</p> <ul style="list-style-type: none"> • Unit 1 New and Emerging Technology • Unit 2 energy- materials-systems and devices • Unit 3 materials and their working properties • Unit 4 common specialist Technical principles • Unit 5A Papers and boards • Unit 5B Timber based materials • Unit 5C Metal based materials • Unit 5D polymers • Unit 5E Textile based materials • Unit 5F Electronic systems • Unit Design principles • Unit 7 Making principles <table border="1" data-bbox="696 911 2002 1353" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="9" data-bbox="696 911 2002 943">Topic taught during the course</th> </tr> </thead> <tbody> <tr> <td data-bbox="696 943 846 1238">Unit 1 new and emerging technology</td> <td data-bbox="846 943 994 1238">Unit 2 energy- materials- systems and devices</td> <td data-bbox="994 943 1142 1238">Unit 3 materials and their working properties</td> <td data-bbox="1142 943 1290 1238">Unit 4 common specialist Technical principles</td> <td data-bbox="1290 943 1438 1238">Unit 5 5A Papers and boards 5B timber based materials</td> <td data-bbox="1438 943 1585 1238">Unit 5 5c metal based materials 5D polymers</td> <td data-bbox="1585 943 1733 1238">Unit 5 5E Textile based materials 5F Electronic systems</td> <td data-bbox="1733 943 1881 1238">Unit 6 Design principles</td> <td data-bbox="1881 943 2016 1238">Unit 7 Making principles</td> </tr> <tr> <td data-bbox="696 1238 846 1353">100% completed</td> <td data-bbox="846 1238 994 1353">100% completed</td> <td data-bbox="994 1238 1142 1353">100% completed</td> <td data-bbox="1142 1238 1290 1353">100% completed</td> <td data-bbox="1290 1238 1438 1353">60% completed</td> <td data-bbox="1438 1238 1585 1353">50% completed</td> <td data-bbox="1585 1238 1733 1353">50% completed</td> <td data-bbox="1733 1238 1881 1353">100% completed</td> <td data-bbox="1881 1238 2016 1353">100% completed</td> </tr> </tbody> </table>	Topic taught during the course									Unit 1 new and emerging technology	Unit 2 energy- materials- systems and devices	Unit 3 materials and their working properties	Unit 4 common specialist Technical principles	Unit 5 5A Papers and boards 5B timber based materials	Unit 5 5c metal based materials 5D polymers	Unit 5 5E Textile based materials 5F Electronic systems	Unit 6 Design principles	Unit 7 Making principles	100% completed	100% completed	100% completed	100% completed	60% completed	50% completed	50% completed	100% completed	100% completed
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<p>New content</p>	<p><u>Exam topics left to cover by FMC/SPA –</u></p> <ul style="list-style-type: none"> • Unit 5A Papers and boards • Unit 5B Timber based materials • Unit 5C Metal based materials • Unit 5D polymers <p>NEA content left to cover this term– All students need to complete the NEA by the 7th May 2021 in time for moderation with S&E</p> <p><u>Assessment criteria:</u></p> <ul style="list-style-type: none"> • Identifying and investigating design possibilities • Producing a design brief and specification • Generating design ideas • Developing design ideas • Realising design ideas • Analysing & evaluating
<p>Next steps</p>	<p>The time back in school will be focused on completing their coursework and focus on the units that students did not get taught during teaching time – (Unit 5 - Materials)</p> <p>Initially: Students will review their coursework, and see what areas could be improved.</p> <p>Students will need to carefully consider their work and ensure that the following sections of the coursework are completed before the end of Easter break:</p> <ul style="list-style-type: none"> • Identifying and investigating design possibilities • Producing a design brief and specification • Generating design ideas

	<ul style="list-style-type: none"> • Developing design ideas <p><u>Skills that will prepare students for further education:</u></p> <ul style="list-style-type: none"> • Research • Communication • Creativity • imagination • Critical thinking and planning • Analysis of products • Design specification • Prototype development • Making, packaging and development • Modern Materials and effects on the environment
<p>In-class assessments</p>	<p><u>Before Easter –</u></p> <ul style="list-style-type: none"> • <i>Coursework assessment – Section C and Section D (structure can be filled in during lesson and typed at home)</i> • <i>End of Unit 7 test – 1 hour (Before Easter) Unit covered during Lockdown. (Recall of previous Knowledge)</i> • <i>Mock one – PG Online in class mock Paper 3</i> <p>In order to Develop a further understanding of the exam and knowledge process and help gauge a mark for the written assessment Students will complete 2 mock papers which will be assessing their ability to apply understanding.</p> <p><u>After Easter -</u></p> <ul style="list-style-type: none"> • <i>Mock Exam Paper 2 - AQA – Official Paper</i> • <i>Unit 5 – Mini end of unit tested for each material covered</i> • <i>Only Papers & Boards, Polymers, Metals and Timbers will be covered</i>

	<p><u>Additional support</u></p> <ul style="list-style-type: none"> • Homework sheets will be given out throughout current unit to test knowledge. • Spreadsheet showing course work progress
<p>Interventions</p>	<p><u>Targeted students</u></p> <ul style="list-style-type: none"> • Students that have the ability to move up a minimum of two/ one grade • Target Stretch students • Target PP students who lack the facilities at home – Laptops/ computers available • Focus on the coursework – Provide additional workshop time (Afterschool) • Communicated via Teams/ SMHW/ one – drive with regards to updates and key dates <p><u>FMC/SPA – Interventions</u></p> <ul style="list-style-type: none"> • One hour session (may extend to 1hr 30) - (permission to be given by with their parents). • All students will be required to come to these sessions before Easter and I will review this again next term, however, I think it is beneficial for all students as this will give students additional time to work and complete their course work. • Students that need addition help they are timetabled to come in on specific days for addition help with course work
<p>Additional sessions</p>	<ul style="list-style-type: none"> • Requested for a couple of days during Easter break - Aimed at students who are behind on NEA • FMC/SPA will be running session together and allow students to utilise the workshop facilities and computers in order to complete NEA sections. • Possible Saturday sessions after Easter for students who continue to underperform with the NEA. Pre Mock interventions after Easter.

<p>Non-Examined Assessment (NEA)</p>	<ul style="list-style-type: none"> • 50% of the work is NEA coursework – however, the Design and technology exam has been cancelled this year so students will be assessed in school based on the assessment given in school and course work they have produced. Students will have at some point a mock ‘exam’, this will count towards their Grades. However, the majority of their grading will be based on their internal assessment. • Students need to complete the following sections for the NEA <ul style="list-style-type: none"> ○ Identifying and investigating design possibilities ○ Producing a design brief and specification ○ Generating design ideas ○ Developing design ideas ○ Realising design ideas ○ Analysing & evaluating
<p>Range of evidence</p>	<ul style="list-style-type: none"> • Predicted grades will be taken into consideration and compared with the amount of coursework produced – once a coursework grade has been given this will be compared to the predicted grade – as this has been a good indication of students understanding of the subject and capability. <p><u>Factors considered –</u></p> <ul style="list-style-type: none"> ○ All sections of the NEA will be assessed. ○ All three Mock papers from PG online will be assessed. ○ Final Mock Paper – AQA official paper will be assessed and determine student grades
<p>Formal assessments</p>	<p>One final mock paper will take place centrally – Covering all three sections of exam paper</p> <ul style="list-style-type: none"> • Section A - (Multiple choice questions) Core technical principles • Section B - Specialist technical principles • Section C - Designing and making principles

Other information

- *Deadlines subject to change*

Coursework Deadlines –

- Section D - Development – Thursday 1st April
- Section E - Making - Making diary – Finished prototype - Friday 30th April
- Section F - Evaluation – Friday 7th May
- First draft of coursework – Friday 7th May

Final Coursework Deadline / Moderation –

- Final coursework submission date is Friday 14th May
- Final coursework Teacher moderation week – WB Monday 17th May – With S&E
- All Marking should be completed by 28th May in correlation with school deadlines

Exams – 50% of final grade

- Mock 1 – PG Online - 2 Hours
- Mock 2 – AQA Exam - 2 Hours