

Recovery curriculum - Engineering

| YEAR | Do now | Curriculum | Home study |
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| 7 | <p>Recapping the following units from KS2 to continue to bridge any gaps that may have developed between key stages.</p> <ul style="list-style-type: none"> • Materials • Design • Modelling/ prototypes • 6 R's <p>We will also mix in Do now's on topics the students are currently studying as part of year 7.</p> | <p>We are covering the basics to design and technology as it will be a new topic for most students. We will also be addressing big gaps within technical knowledge from KS2.</p> | <p>Students will use edulink to complete their homework. Students can choose to complete homework in paper form or online. Optional homework is also given to students. The homework will match the learning covered in the lessons.</p> |
| 8 | <p>Year 8 will have Do now starters that interleave units from year 7 to develop their retrieval of old information and year 8 units.</p> <p>The year 7 units we are retrieving are</p> <ul style="list-style-type: none"> • Technical drawing skills • Productions skills (hand techniques) • CAD/ CAM | <p>We will cover units such as materials, designing, and the design process – prototypes – creating a sample box of techniques using a variety of materials.</p> | <p>Students will use edulink to complete their homework. Students can choose to complete homework in paper form or online. Optional homework is also given to students. The homework will match the learning covered in the lessons.</p> |
| 9 | <p>Year 9 will have Do now starters that interleave units from year 8 to develop their retrieval of old information and year 8 units.</p> <p>The year 8 units we are retrieving are</p> <ul style="list-style-type: none"> • Interleaving of cross curricular learning (STEM) • Sustainable designing • Budget/ costings | <p>We will cover architecture, geographical impact of design, sustainability and the eco systems of modern power.</p> | <p>Students can choose to complete homework in paper form or online. Optional homework is also given to students. The homework will match the learning covered in the lessons.</p> |

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| <p>10</p> | <p>Year 10 will have Do now starters that interleave units from year 9 to develop their retrieval of old information and year 9 units. The year 9 units we are retrieving are</p> <ul style="list-style-type: none"> • Engineering sectors • Aspects of the engineering industry • Skills needed in engineering | <p>Year 10 will follow the normal year 10 curriculum following the BTEC specification: the practical unit (working with HETA)</p> | <p>Students will be given homework at least twice a week which will enable them to complete parts of the work contributing to their assignments. Students will also be provided with homework which will strengthen their knowledge on drama practitioners, skills and more. Homework will be available through online or paper.</p> |
| <p>11</p> | <p>Year 11 will have Do now starters that interleave units from year 9 & 10 to develop their retrieval of old information and previous units. Analysis from the mocks exams and baseline assessment will also guide individual teachers of topics that students are retrieving poorly and these will be built into the starters.</p> <ul style="list-style-type: none"> • Component 1, 2 and 3 • Exam unit (synoptic brief) | <p>Pupils in Engineering will be studying components 1 & 2 Pupils will be reminded of the work and their progress throughout lessons.</p> <p>Pupils in Engineering will focus on component 2, 3 and prepare for the exam brief given in February. Pupils new to the course will be completing other components within this time too.</p> <p>For all year 11, there will be mocks and regular test papers to analyse how well pupils are progressing and what areas need to be covered again. This will enable students to fill their gaps in knowledge.</p> | <p>Students will have intervention after school which will enable pupils to catch up on any lost work. Pupils will also be given homework either in paper or online form.</p> <p>Students will catch up on component 1 revision through completing homework booklets. Students will also strengthen their knowledge of Engineering skills/ theory & knowledge for the exam unit (3)</p> |

