

## Year 11 Design and Technology HT3

Week	Lesson Coverage	Homework	GCSE Pod links
<b>1.</b> <b>Wc 4<sup>th</sup></b> <b>January</b>	<p><b>Coursework;</b> Students will begin the design development section of their coursework. This will be looking into developing their product from an idea into a physical product through modelling and further design work both by hand and as computer generated models.</p> <p><b>Exam Content;</b> This will look at a review of their mock papers in addition to starting the exam question book on engineering looking at the type of questions they will come across in section A-B of their paper.</p>	<p>Complete outstanding areas of coursework to ensure you are on target.</p> <p>Review relevant GCSE pods that link to both coursework and exam content.</p> <p>Answer exam questions from the revision session for wk3.</p>	<p>Metal based materials;  <a href="https://members.gcsepod.com/content?subject_id=6069&amp;exam_board_id=1010&amp;topic_id=8870">https://members.gcsepod.com/content?subject_id=6069&amp;exam_board_id=1010&amp;topic_id=8870</a></p>
<b>2.</b> <b>Wc 11<sup>th</sup></b> <b>January</b>	<p><b>Coursework;</b> Students should be finalising their design development and consider how to make a model of their idea in card to proportion. They will also develop their skills further in scale, proportion, material consideration.</p>	<p>Complete outstanding areas of coursework to ensure you are on target.</p> <p>Review relevant GCSE pods that link to both coursework and exam content.</p>	<p>Specialist tools and equipment;  <a href="https://members.gcsepod.com/shared/podcasts/title/12603/77358">https://members.gcsepod.com/shared/podcasts/title/12603/77358</a></p>
<b>3.</b> <b>Wc 18<sup>th</sup></b> <b>January</b>	<p><b>Coursework;</b> Students will finalise their model in card and begin to correct the dimensions as part of their development this will also begin to look at where further developments are needed to ensure the product can be constructed.</p> <p><b>Exam Content;</b> Student will continue to answer questions in their engineering booklet, in addition to using the P7 to explore questions and answers linked to the manufacture of materials.</p>	<p>Complete outstanding areas of coursework to ensure you are on target.</p> <p>Review relevant GCSE pods that link to both coursework and exam content.</p> <p>Answer exam questions from the revision session for wk5.</p>	<p>Prototype development; <a href="https://members.gcsepod.com/shared/podcasts/title/12599/77353">https://members.gcsepod.com/shared/podcasts/title/12599/77353</a>            Sources and origins; <a href="https://members.gcsepod.com/shared/podcasts/title/12600/77354">https://members.gcsepod.com/shared/podcasts/title/12600/77354</a></p>

<p><b>4.</b> <b>Wc 25<sup>th</sup></b> <b>January</b></p>	<p><b>Coursework;</b> Students will finalise the development stage for model making and begin to explore the computer generated model of their product, to produce a 3D model considering material choice which leads to the manufacturing specification.</p>	<p>Complete outstanding areas of coursework to ensure you are on target.</p> <p>Review relevant GCSE pods that link to both coursework and exam content.</p>	<p>Materials and their working properties; <a href="https://members.gcsepod.com/shared/podcasts/title/12452/76493">https://members.gcsepod.com/shared/podcasts/title/12452/76493</a></p>
<p><b>5.</b> <b>Wc 1<sup>st</sup></b> <b>February</b></p>	<p><b>Coursework;</b> Students will begin the manufacture specification of their product and prepare a production chart for making their idea.</p> <p><b>Exam Content;</b> Students will reflect on the questions and answers you are likely to come across in section A-B of their exam paper through the responses they have given for the engineering booklet and begin to repeat the process looking at a different sector.</p>	<p>Complete outstanding areas of coursework to ensure you are on target.</p> <p>Review relevant GCSE pods that link to both coursework and exam content.</p> <p>Answer exam questions from the revision session for wk1 HT4.</p>	<p>Metal based materials; <a href="https://members.gcsepod.com/content?subject_id=6069&amp;exam_board_id=1010&amp;topic_id=8870">https://members.gcsepod.com/content?subject_id=6069&amp;exam_board_id=1010&amp;topic_id=8870</a></p> <p>Industrial; <a href="https://members.gcsepod.com/shared/podcasts/title/7895/52649">https://members.gcsepod.com/shared/podcasts/title/7895/52649</a></p>
<p><b>6. 8<sup>th</sup></b> <b>February</b></p>	<p><b>Coursework;</b> Students will complete the production chart and explore how their product would be manufactured in industry reflecting on the differences between the scales of production.</p>	<p>Complete outstanding areas of coursework to ensure you are on target.</p> <p>Review relevant GCSE pods that link to both coursework and exam content.</p>	<p>Scales of production; <a href="https://members.gcsepod.com/shared/podcasts/title/12602/77357">https://members.gcsepod.com/shared/podcasts/title/12602/77357</a></p>