































## YEAR 7

PROGRAMME OF STUDY	This year pupils will study: Designing the future, Textiles, Timbers and sustainability								
ASSESSMENT OF END POINTS	<p>Students will complete be assessed on materials knowledge, design &amp; modelling and presentation skills:</p> <table border="1" data-bbox="424 454 1326 896"> <tr> <td data-bbox="424 454 647 667">           Design the Future   </td> <td data-bbox="647 454 871 667">           This will be a group presentation         </td> <td data-bbox="871 454 1094 667">           Sustainability   </td> <td data-bbox="1094 454 1326 667">           This assessment will be from the designs and work you do in your book         </td> </tr> <tr> <td data-bbox="424 667 647 896">           Textiles   </td> <td data-bbox="647 667 871 896">           This will be assessed with an exam         </td> <td data-bbox="871 667 1094 896">           Timbers   </td> <td data-bbox="1094 667 1326 896">           This will be assessed with an exam         </td> </tr> </table>	Design the Future 	This will be a group presentation	Sustainability 	This assessment will be from the designs and work you do in your book	Textiles 	This will be assessed with an exam	Timbers 	This will be assessed with an exam
Design the Future 	This will be a group presentation	Sustainability 	This assessment will be from the designs and work you do in your book						
Textiles 	This will be assessed with an exam	Timbers 	This will be assessed with an exam						
PUPILS WILL READ	<p>Extracts from a range of different design websites and magazines such as: DEZEEN, teen Vogue, New Science and news articles.</p> <p>Pupils will be given a range of articles and they can read one which they are most interested in.</p> <p>Examples: Lego bricks made from space rock, Coco Channels impact on women's fashion, The art of Hygge, How a bike works, and many more as we add new articles all the time.</p>								
VOCABULARY	<p>Key Vocabulary:</p> <ul style="list-style-type: none"> <li>✓ Timbers</li> <li>✓ Sustainability</li> <li>✓ Textiles</li> <li>✓ Careers</li> <li>✓ Design</li> <li>✓ Automation</li> <li>✓ Robotics</li> </ul>								
HOME LEARNING	<p>Each lesson pupils will be set a home learning task on Bromcom.</p> <p>These will range from design a Lego person to encourage people to do a career in DT, reading tasking, research and design etc.</p>								

## YEAR 8

PROGRAMME OF STUDY	This year pupils will study: Mechanisms, Mood light: Plastics and Electronics and Inclusive design								
ASSESSMENT OF END POINTS	<p>Students will complete be assessed on materials knowledge, design &amp; modelling and presentation skills:</p> <table border="1" data-bbox="424 443 1342 1055"> <tr> <td data-bbox="424 443 647 730"> <p>Mechanisms</p>  </td> <td data-bbox="647 443 871 730"> <p>This will be an individual presentation</p> </td> <td data-bbox="871 443 1094 730"> <p>Mood light Plastics</p>  </td> <td data-bbox="1094 443 1342 730"> <p>This will be assessed with an exam</p> </td> </tr> <tr> <td colspan="2" data-bbox="663 730 1078 1055"> <p>Inclusive design</p>  </td> <td colspan="2" data-bbox="871 730 1078 1055"> <p>This assessment will be from the designs and work you do in your book</p> </td> </tr> </table>	<p>Mechanisms</p> 	<p>This will be an individual presentation</p>	<p>Mood light Plastics</p> 	<p>This will be assessed with an exam</p>	<p>Inclusive design</p> 		<p>This assessment will be from the designs and work you do in your book</p>	
<p>Mechanisms</p> 	<p>This will be an individual presentation</p>	<p>Mood light Plastics</p> 	<p>This will be assessed with an exam</p>						
<p>Inclusive design</p> 		<p>This assessment will be from the designs and work you do in your book</p>							
PUPILS WILL READ	<p>Extracts from a range of different design websites and magazines such as: DEZEEN, teen Vogue, New Science and news articles.</p> <p>Pupils will be given a range of articles and they can read one which they are most interested in.</p> <p>Examples: Plastic bottle and ocean pollution, Trainers made from recycled plastics, How a gears works, and many more as we add new articles all the time.</p>								
VOCABULARY	<p>Key Vocabulary:</p> <ul style="list-style-type: none"> <li>✓ Plastics</li> <li>✓ Thermosetting</li> <li>✓ Thermoforming</li> <li>✓ Sustainability</li> <li>✓ Linear</li> <li>✓ Reciprocating</li> <li>✓ Osculating</li> <li>✓ Rotary</li> <li>✓ Mechanical advantage</li> <li>✓ Inclusive</li> </ul>								
HOME LEARNING	<p>Each lesson pupils will be set a home learning task on Bromcom.</p> <p>These will range from: design a page of basic mechanisms, properties of thermosetting plastics, client profiles, revision for assessments etc.</p>								

## YEAR 9

PROGRAMME OF STUDY	This year pupils will study: Metals, Cultures and Textiles.								
ASSESSMENT OF END POINTS	<p>Students will complete be assessed on materials knowledge, design &amp; modelling and presentation skills:</p> <table border="1" data-bbox="427 427 1206 987"> <tr> <td data-bbox="427 427 647 689"> <b>Metals</b>  <b>Pewter key ring</b>   </td> <td data-bbox="647 427 868 689"> <b>This will be assessed with an exam</b> </td> <td data-bbox="868 427 1043 689"> <b>Textiles Cultures</b>   </td> <td data-bbox="1043 427 1206 689"> <b>This assessment will be from the designs and work you do in your book</b> </td> </tr> <tr> <td data-bbox="427 689 647 987"> <b>Architecture</b>   </td> <td data-bbox="647 689 868 987"> <b>This will be an individual presentation</b> </td> <td colspan="2"></td> </tr> </table>	<b>Metals</b> <b>Pewter key ring</b> 	<b>This will be assessed with an exam</b>	<b>Textiles Cultures</b> 	<b>This assessment will be from the designs and work you do in your book</b>	<b>Architecture</b> 	<b>This will be an individual presentation</b>		
<b>Metals</b> <b>Pewter key ring</b> 	<b>This will be assessed with an exam</b>	<b>Textiles Cultures</b> 	<b>This assessment will be from the designs and work you do in your book</b>						
<b>Architecture</b> 	<b>This will be an individual presentation</b>								
PUPILS WILL READ	<p>Extracts from a range of different design websites and magazines such as: DEZEEN, teen Vogue, New Science and news articles.</p> <p>Pupils will be given a range of articles and they can read one which they are most interested in.</p> <p>Examples: The art of Hygge, The work of Alessi, Football shirt design, Why iPhones stopped working, Flying car prototype and many more as we add new articles all the time.</p>								
VOCABULARY	<p>Key Vocabulary:</p> <ul style="list-style-type: none"> <li>✓ Ferrous</li> <li>✓ Non ferrous</li> <li>✓ Patterns</li> <li>✓ Brazing hearth</li> <li>✓ Architecture</li> <li>✓ Engineering</li> <li>✓ Alloy</li> <li>✓ Repeating</li> </ul>								
HOME LEARNING	<p>Each lesson pupils will be set a home learning task on Bromcom.</p> <p>These will range from: Client profiles, material research, research into different cultures fashion etc.</p>								

## YEAR 10

PROGRAMME OF STUDY	<p>This year pupils will study one hour theory a week and do a two-hour project-based lesson.</p> <p>The theory is designed to support the work pupils do in the projects and prepare them for the GCSE exam.</p> <p>The Projects are planned to build on the theory knowledge and give pupils the chance to see the theory in practice. The projects also help prepare the pupils or the NEA at GCSE.</p>
ASSESSMENT OF END POINTS	<p>AT GCSE the results are based 50% on an exam and 50% NEA. Year 10 is set up the same way. Pupils will do written exams and mocks to make up 50% of their final grade and do a long project to assess their project skills.</p>
PUPILS WILL READ	<p>Extracts from a range of different design websites and magazines such as: DEZEEN, teen Vogue, New Science and news articles.</p> <p>Pupils will be given a range of articles and they can read one which they are most interested in.</p>
VOCABULARY	<p>Key Vocabulary:</p> <ul style="list-style-type: none"><li>✓ Enhanced materials</li><li>✓ Bauhaus</li><li>✓ Modernism</li><li>✓ Fractal distillation</li><li>✓ Smelting</li><li>✓ Green timber</li><li>✓ Isometric</li><li>✓ Anthropometrics</li><li>✓ Obsolescence</li></ul>
HOME LEARNING	<p>Each lesson pupils will be set a home learning task on Bromcom.</p> <p>These will range from: material research, product analysis, industry processes etc</p>

## YEAR 11

PROGRAMME OF STUDY	<p>This year pupils will study one hour theory a week and do a two-hour NEA lesson.</p> <p>The theory is designed to support the work pupils do in NEA and prepare them for the GCSE exam.</p>
ASSESSMENT OF END POINTS	<p>AT GCSE the results are based 50% on an exam and 50% NEA.</p> <p>Year 11 will have already started their NEA and be working on it till Easter time roughly.</p> <p>Theory knowledge will be tested throughout the year with knowledge checks, mocks then the final two-hour exam paper.</p>
PUPILS WILL READ	<p>Extracts from a range of different design websites and magazines such as: DEZEEN, teen Vogue, New Science and news articles.</p> <p>Pupils will be given a range of articles and they can read one which they are most interested in.</p>
VOCABULARY	<p>Key Vocabulary:</p> <ul style="list-style-type: none"><li>✓ Composite</li><li>✓ Smart materials</li><li>✓ HDPE</li><li>✓ ABS</li><li>✓ Jig</li><li>✓ Datum point</li><li>✓ Properties</li><li>✓ Original source</li><li>✓ Stock forms</li></ul>
HOME LEARNING	<p>Each lesson pupils will be set a home learning task on Senca learning.</p> <p>These will be revision of everything they have learnt in their time studying Design Technology with us at BTH, to help prepare them for the exam.</p>