

KS3 Design & Technology

Frequency of homework for KS3 students:

Students will be set 3 quality pieces of homework per term that will cover topics from Materials, Food and Textiles. Each homework will take approximately 30 minutes to complete.

	Year 7	Year 8	Year 9
Food	<p>HWK 1 (WEEK1) Diet diary, students make a log of everything they eat and drink for 3 days.</p> <p>HWK 2 (WEEK 6) Draw and annotate instructions on how to cook Pasta</p> <p>HWK 3 (WEEK 10) Complete a table, 8 tips to healthy living describing how the 8 tips can be achieved.</p> <p>To bring in ingredients. (At least 3 times, depending on the practical lesson.)</p>	<p>HWK 1 (WEEK 2) Complete a table on vitamins and minerals. They need to list several good sources for each vitamin and mineral.</p> <p>HWK 2 (WEEK 6) Complete a table about religion showing what foods each religion must avoid.</p> <p>HWK 3 (WEEK 8) Complete a comic strip using pictures and words, demonstrating understanding of the grain chain.</p> <p>To bring in ingredients. (At least 3 times, depending on the practical lessons)</p>	<p>HWK 1 (WEEK 2) Extended writing task, research and create a poster on a diet related illness.</p> <p>HWK 2 (WEEK 8) Develop an information sheet/presentation to explore a country/culture of your choice. Consider location, religion, dress, staple foods, key ingredients, popular dishes, etc. Include images.</p> <p>HWK 3 (WEEK 9) Complete a 'Functions of Ingredients' table for a food product you have made in class. Identify the ingredients used, and explain the sensory, nutritional and scientific functions of each one.</p> <p>To bring in ingredients. (At least 3 times, depending on the practical lesson.)</p>
RM	<p>Block Bot Project</p> <p>HWK 1 Block Bot research sheet (collage of annotated images):</p> <ul style="list-style-type: none"> Existing products Investigation into chosen theme Investigation into finishing techniques <p>HWK 2 Materials investigation (poster or leaflet) Investigate:</p> <ul style="list-style-type: none"> Softwood Hardwood Manufactured timber. <p>For each category provide:</p> <ul style="list-style-type: none"> A correct definition, Examples of each What each example is commonly used for <p>HWK 3 Tool recognition – Use notes and sketches/ images or diagrams to:</p> <ul style="list-style-type: none"> Identify common workshop tools Give two examples of what they are used for Explain how they are used. 	<p>Design Movement Clock</p> <p>HWK 1 Design movements research - Research 3 or 4 design movements over the last 100 years then select a favourite and explain why.</p> <p>HWK 2 Research different wood joints. Build upon knowledge learned in class to explain in greater depth a range of more complex wood joints.</p> <p>HWK 3 Create a H&S passport to show an understanding of how to use tools and machines within the workshop. Each machine to have its own page, each tool to use half a page. Explain any H&S you have learned about each.</p>	<p>Trinket Box Project</p> <p>HWK 1 Product Investigation- Use the ACCESS FM analysis tool to Investigate and Analyse a given product in as much detail as possible.</p> <p>HWK 2 Risk assessment of a workshop machine</p> <p>HWK 3 Designer case study: Investigate a designer or design movement. In your investigation, include the following information:</p> <ul style="list-style-type: none"> Name of designer/ designer Key facts Key features of their particular style Images of products they have designed <p>You may present the information as:</p> <ul style="list-style-type: none"> A poster A fact sheet or leaflet A presentation
Textiles	<p>Little Rascals</p> <p>HWK 1 (WEEK 1) Create an image board of 6 – 10 images of your favourite foods- annotate.</p> <p>HWK 2 (WEEK 4) Fabric properties, woven, knitted and bonded fabrics.</p> <p>HWK 3 (WEEK 6) Cotton research sheet, understanding the advantages and disadvantages of the fibre.</p>	<p>Cushion for Ikea</p> <p>HWK 1 (WEEK 2) Collect 6 – 10 images of jungle animals, including at least 3 cartoon images.</p> <p>HWK 2 (WEEK 5) Block print method sheet and research of an industrial printing method.</p> <p>HWK 3 (WEEK 10) Extended writing task, detailed research on one of the techniques they have studied in lesson.</p>	<p>The world of Textiles</p> <p>HWK 1 (WEEK 2) Research one fashion designer of your choice and create an annotated image board of their work.</p> <p>HWK 2 (WEEK 4) Create a factsheet/step by step guide to one type of embellishment (eg. embroidery, batik, screen printing)</p> <p>HWK 3 (WEEK 11) Industrial exam questions.</p>