

Design Technology –YR 7 - TERM 1.1

I LINK

I can link the design brief to the needs of the target user.

I can link my choice of materials (e.g. MDF, pine) to their properties and suitability.

I can link specific tools and equipment to tasks in the making process.

I can link my design ideas to existing products with similar functions.

I CREATE

I can create a range of design ideas that meet the brief.

I can create annotated sketches that clearly show features and functions.

I can create design solutions by combining shapes, materials, and features creatively.

I can create improved versions of my design using feedback from others.



I PRACTISE

I can practise safe routines when working in the workshop.

I can practise using hand tools such as a ruler, tri-square, and pencil accurately.

I can practise setting up and securing materials for cutting and marking out.

I can practise drawing neat design ideas with clear labels and measurements.

I SOLVE PROBLEMS

I can solve problems by changing my design to match available materials or tools.

I can solve layout challenges when planning the size and arrangement of the cubes and frame.

I can solve problems when my initial idea does not meet the success criteria.

I can solve problems by comparing and choosing the most effective design solution.

I READ

- BBC Bitesize – Timbers: <https://www.bbc.co.uk/bitesize/guides/zhyny4j/revision/1>
- Technology Student – Design Briefs: https://technologystudent.com/despro_flsh/newpg1.html
- BBC Bitesize – Tools & Equipment: <https://www.bbc.co.uk/bitesize/topics/zvg6gdm>

I LEARN

1. I can learn and recall health and safety rules for working in a DT workshop.
2. I can learn the names and functions of key tools and machines used in my project.
3. I can learn the differences between hardwood, softwood, and manufactured boards.
4. I can learn what makes a design successful by studying examples of existing products.

Design Technology –YR 7 - TERM 1.2

I APPLY

I can apply safe working practices when using tools and machinery.

I can apply measuring and marking out skills to prepare materials accurately.

I can apply joining and assembly techniques to construct my calendar.

I can apply finishing techniques to improve the appearance of my product.

I PRACTISE

I can practise using saws, files, and sanding tools with control and precision.

I can practise checking and adjusting measurements during the making process.

I can practise assembling parts carefully to ensure they fit correctly.

I can practise applying paint or stain evenly for a quality finish.



I ANALYSE

I can analyse my work during each stage to spot errors or areas for improvement.

I can analyse how well my calendar parts fit and function together.

I can analyse how accurately I followed my design plan.

I can analyse how my choice of materials affected the final outcome.

I EVALUATE

I can evaluate my final product using ACCESS FM.

I can evaluate how well my calendar meets the original design brief.

I can evaluate what I did well and what I could improve next time.

I can evaluate peer feedback and use it to reflect on my own work.

I READ

- BBC Bitesize – Timbers & Tools: <https://www.bbc.co.uk/bitesize/guides/zkvny4j/revision/1>
- Technology Student – Design Briefs: https://technologystudent.com/despro_flash/briefy1.html
- BBC Bitesize – Evaluating Work: <https://www.bbc.co.uk/bitesize/guides/zqpfdxs/revision/1>

I LEARN

1. I can learn how to safely set up and use tools and machines for practical tasks.
2. I can learn the correct steps for measuring, cutting, and assembling materials.
3. I can learn how different finishes affect the look and durability of my product.
4. I can learn how to check my work for accuracy and quality during making.