

Houghton School Design and Technology Mastering Practical Skills Progression Map (Skills)



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I can cut materials with precision and refine the finish with appropriate tools (such as sanding wood after cutting or a more precise scissor cut after roughly cutting out a shape).

I can create and refine recipes, including ingredients, methods, cooking times and temperatures

I can demonstrate a range of baking and cooking techniques.

I can measure accurately and calculate ratios of ingredients to scale up or down from a recipe.

I can understand the importance of correct storage and handling of ingredients (using knowledge of micro-organisms).

I can control and monitor models using software designed for this purpose.

I can choose suitable techniques to construct products or to repair items.

I can strengthen materials using suitable techniques.

I can use scientific knowledge of the transference of forces to choose appropriate mechanisms for a product (such as levers, winding mechanisms, pulleys and gears).

I can create series and parallel circuits.

I can select the most appropriate techniques to decorate textiles.

I can understand the need for a seam allowance.

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I can select appropriate joining techniques.

I can apply appropriate cutting and shaping techniques that include cuts within the perimeter of the material (such as slots or cut outs).

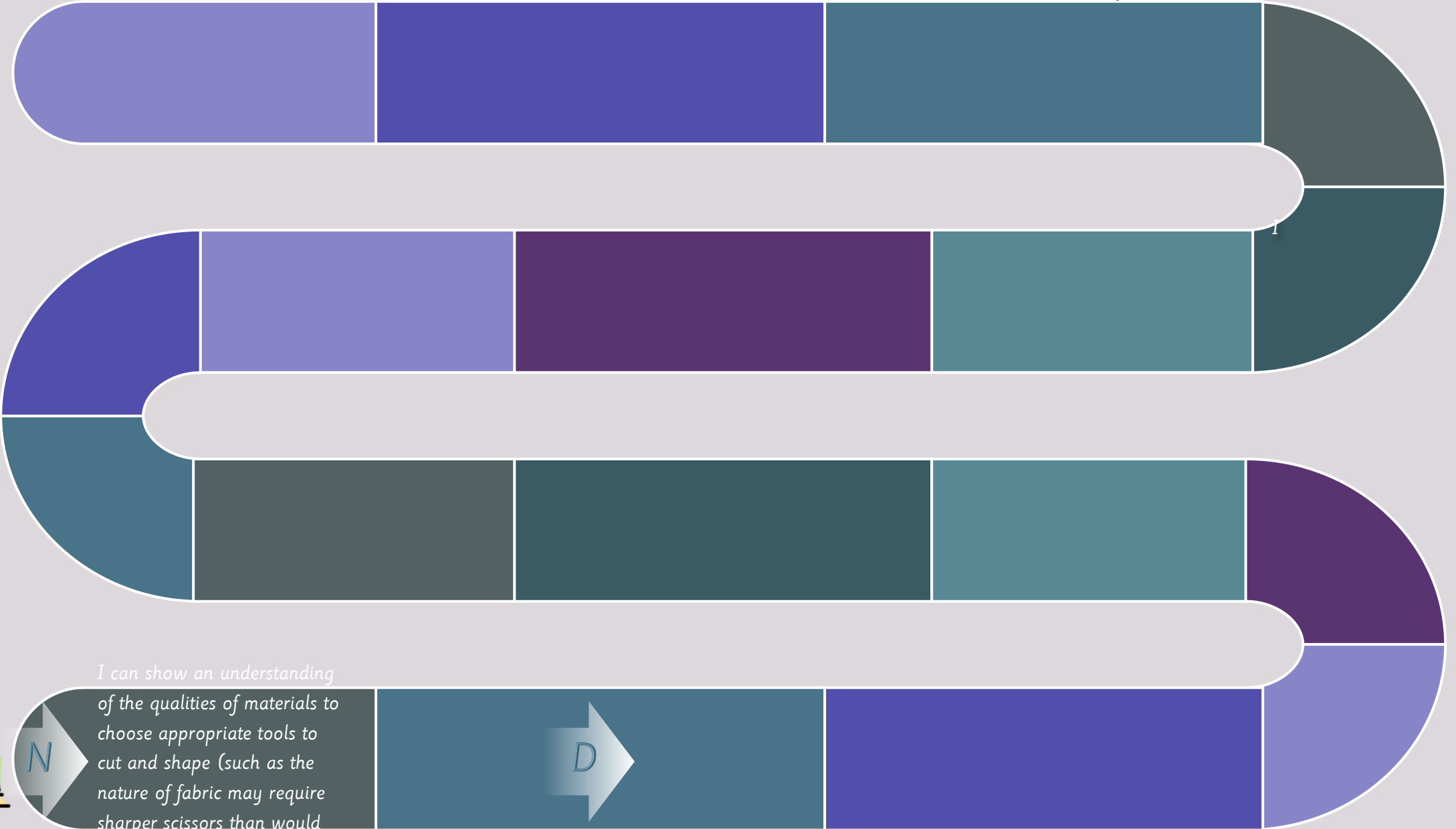
I can assemble or cook ingredients (controlling the temperature of the oven or hob, if cooking).

I can cut materials accurately and safely by selecting appropriate tools.

I can measure and mark out to the nearest millimetre.



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I can show an understanding of the qualities of materials to choose appropriate tools to cut and shape (such as the nature of fabric may require sharper scissors than would be used to cut paper).

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