Foxford Learning Plan

Design and Technology
Year: 9 - Rotation
Topic: Designing for the home

Key Skills	Over the course of this topic, I will be able to:
	• Identify the three main categories of timber: hardwoods, softwoods, and manufactured boards and recognise common examples of each category.
	• Explain the properties of different timbers (e.g., strength, durability, aesthetics, cost).
	• Apply cutting, joining, and finishing techniques to manufacture a functional and attractive stand.
	• Evaluate the final product against the design brief and target market expectations.

I will understand:
1. The difference between hardwoods, softwoods, and manufactured boards.
2. How the properties of timbers influence material choice in product design.
3. The role of target market research in shaping design decisions.
4. How to use tools and techniques safely when working with timber.
5. The importance of evaluating both function and aesthetics in a finished product.

Key Vocabulary	
Hardwood – timber from deciduous trees (e.g., oak, beech).	**Manufactured Board** – timber products made by binding wood fibres, veneers, or particles (e.g., MDF, plywood).
Softwood – timber from coniferous trees (e.g., pine, cedar).	**Grain** – the natural pattern in timber that affects strength and appearance.
Acoustics – the science of sound and how it travels.	**Finish** – the surface treatment to protect or decorate timber.

End of Topic Test	
Score:	
Pathway:	