

OBHS Core Questions:

Subject: Design & Technology

Year and Term: Year 9 Autumn term

Topic: Accessories box



Learn these questions to build a strong foundation of knowledge for this half-term. Ask family or friends to test you regularly, or practise on your own using the 'Look, Say, Cover, Write' method.

	Question	Answer
1.	What are the 3 main categories of timber?	Softwoods, Hardwoods, Manufactured boards
2.	Manufactured boards can be broken down into 2 further categories, what are they?	Compressed, Laminated
3.	What does the word laminated mean when referring to timber?	Layered
4.	Why is timber laminated?	To add strength
5.	Name 2 advantages of using manufactured boards instead of natural timbers?	Cheaper, can take a paint or veneered finish, no defects, comes in big sheets
6.	Name 2 disadvantages of using manufactured boards instead of natural timber?	Cannot be recycled, not as strong
7.	What is flat packed furniture?	Furniture that you have to assemble at home
8.	Why do we use a veneer over MDF on flat packed furniture?	Make it look better
9.	Why do we use a melamine formaldehyde over the top of chipboard on a kitchen worktop?	Protect from water and heat
10.	What does the word ERGONOMIC mean?	How something is made comfortable for the user to use
11.	How can you ensure a handle is designed ergonomically?	Gather anthropometric data. Model a prototype
12.	What is anthropometric data and why is it important designers use this?	Measurements from the human body. To ensure that product is made to fit the majority of users.
13.	What word describes a product which has been designed using nature as inspiration?	Biomimicry
14.	Name a product that has been inspired by nature?	Clam shell bucket
15.	Why do designers use inspiration when thinking of new ideas?	To avoid design fixation
16.	Which word is missing from this sentence. Form always follows.....?	function
17.	What do we have to do to MDF before we can paint it but after it has been sanded?	Use a white primer
18.	Which timber box joint is stronger the finger joint or the dovetail joint? Explain why?	Dovetail. Harder to pull apart because of the shape.
19.	Which anthropometric data might we need to gather before making handles?	Hand measurements
20.	Which material is good to use for making handle prototypes?	Polymorph