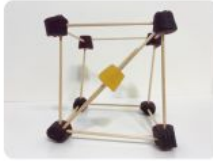




Year 3 Design & Technology - Summer Term 2: Greenhouse

1. A **greenhouse** is a building where plants can grow in a **warm** and **protected** environment. Greenhouses let light in through **transparent** or **translucent** walls and roofs. Windows, vents or fans provide **ventilation**.



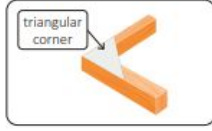
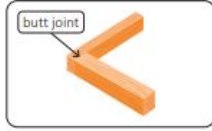
2. **Diagonal struts** can strengthen the structure. They create **triangular** shapes within a frame structure. Adding diagonal struts adds **strength** and **stability**.

3. Materials, such as glass and plastic are suitable for making greenhouse roofs and walls because they are **transparent, waterproof** and **hardwearing**.

4. **Design criteria** are the exact goals a project must achieve to be **successful**. These criteria might include the product's use, appearance, cost and target user.



What makes a successful greenhouse?



5. Specific **tools** can be used for cutting, such as **saws**. Wood can be joined using glue, nails, staples, or a combination of these. Safety rules must be followed to prevent injury from sharp blades.

6. Asking questions can help others to **evaluate** their products, such as asking them whether the selected materials achieved the purpose of the model.

Greenhouse	Translucent	Diagonal struts	Waterproof	Evaluate	Saws
Transparent	Ventilation	Design criteria	Hardwearing	Tools	Glue guns