



## How can I join different materials to create a structure?

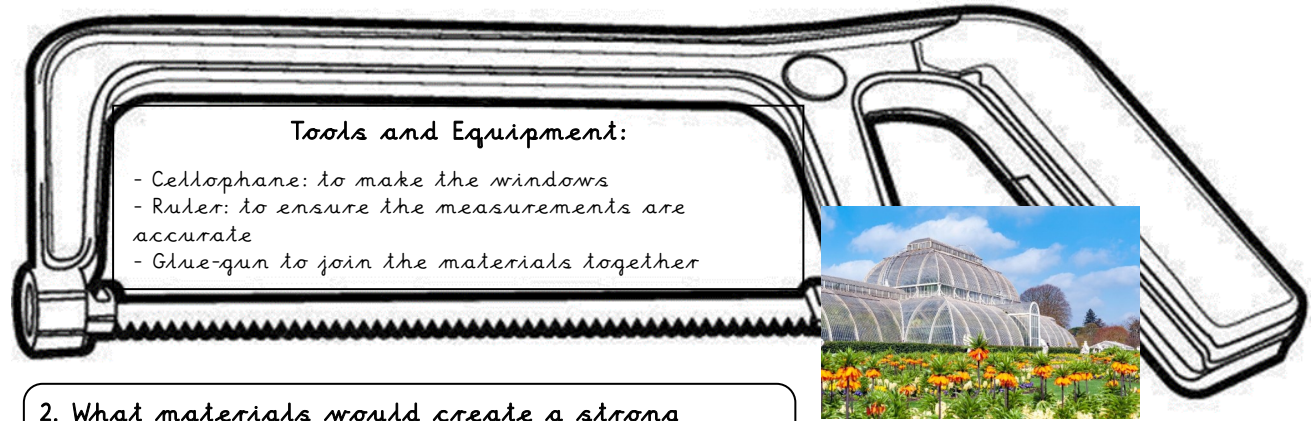
Health and Safety



Always wear **safety** glasses or goggles when using a hot **glue** gun.



Do not touch the heated nozzle of a hot **glue** gun .  
Never tilt a hot **glue** gun upwards .  
Never remove a part melted **glue** slug/ stick through the back of the **gun** .



### Tools and Equipment:

- Cellophane: to make the windows
- Ruler: to ensure the measurements are accurate
- Glue-gun to join the materials together



### 1. What is the purpose of a green house?

- The advantage of having a greenhouse is to have a garden for all seasons.
- They provide shelter from excess cold or heat as well as pests.
- They are a place to keep heat in.



### 2. What materials would create a strong structure?

Applying past knowledge building on Y2 learning about structures and shapes (Tudor houses)



FOOD, CLOTHING, A SAFE HOME

Children have the right to food, clothing and a safe place to live so they can develop in the best possible way. The government should help families and children who cannot afford this.

### 3. What is the best way to join different materials together?

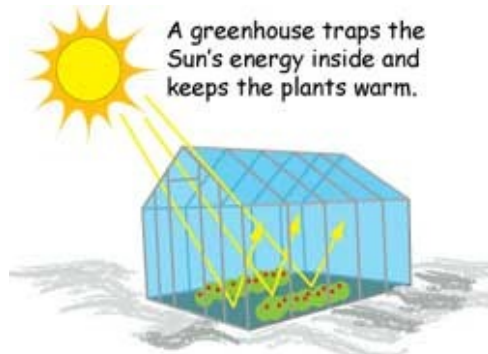
Applying past knowledge building on Y1 & Y2 learning about joining techniques. Investigating, sellotape, masking tape, glue guns and paper.

### 4. What do I want my structure to look like?

Design a green house using annotated sketches, using joining techniques, materials and measurements.

### 5. How will I make a strong structure?

Make own product of a greenhouse.



A greenhouse traps the Sun's energy inside and keeps the plants warm.



### Key Vocabulary

**Greenhouse**—a structure with walls and roof made mostly of transparent material, such as glass, in which plants requiring regulated climatic conditions are grown.

**Annotated sketch** - a drawing that has been clearly labelled

**Prototypes** - a first or preliminary version of a product from which other forms are developed.

**Aesthetic qualities**—how beautiful something looks.

### Significant events/places/people

Charles Lucien Bonaparte  
(invented the greenhouse)

Kew Gardens

Eden Project

