

Bird Boxes:



Bird boxes are used in the garden, parks and woodlands to provide shelter and warmth in the winter, as well as a secure nesting site during the spring and summer.



The first bird boxes were made somewhere between the 15th and 16th century out of brick, tiles, wood, stone, mortar by the Turks (Turkish people). They were attached to homes or exterior building to shelter sparrows and swallows.

Vocab:

Insulated: Material that prevents loss of heat or sound.

Secure: fixed or fastened so as not to give way, become loose, or be lost.

Joints: The point of contact between two objects.

Accuracy: State of being correct or precise.

Measure: To find the accurate size of something, using a ruler, tape measure, scale or similar.

Right Angle: 90° angle.

Structure: A building/object constructed from several parts.

Key Skills and Knowledge:

- All things are designs with specific purpose and audience.
- Appropriate materials need to be used.
- Designs and prototypes need to be evaluated and adapted based on need.
- Careful measuring and accurate cutting is essential.

What makes a good bird box?

- Appropriate size for bird to gain access.
- Appropriate amount of space inside to nesting.
- Made from natural wood.
- 45° roof for rainwater to run down.
- Secured together with no space so water cannot get in.
- Secure so it doesn't collapse.
- Insulated with 15mm walls to keep warm.

Joinery

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| | <p>Hacksaw</p> | <p>Used for precise cuts in small pieces of wood.</p> <ul style="list-style-type: none"> • Should only be held by the handle • Should NOT be carried around the room • When not in use, the saw should be placed on the table or back in its safety block. |
| | <p>Double Sided Bench Hook</p> | <p>Pushes against the table with the part you are using pointing upwards, creating a stable work area for cutting dowel.</p> |
| | <p>Butt Joint</p> | <p>Two pieces of material are joined by simply placing their ends together to form a right angle. The ends of the material MUST be flat.</p> |
| | <p>Mitre Joint</p> | <p>A joint made by cutting two pieces of material at a 45°, to form a 90° corner when joined together.</p> |