

Year 7 Resistant Materials: Bug House

By the end of this project you will have:

- Completed a **Product** Analysis on existing bug houses.
- Explored your ideas through a series of sketch **designs**.
- Drawn and labelled a final **design**, with an **end user** in mind.
- Written a Design Specification for your bug house.
- Measured, cut and sanded your wood, using a range of equipment.
- Constructed your final **structure**, and added features inside.
- Completed a series of **evaluations** throughout the project.



Practical skills you will use:

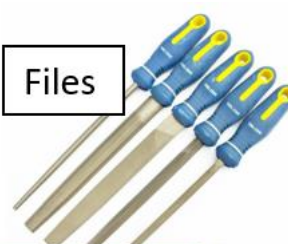
- Measuring with a ruler.
- Marking right angles with a tri-square.
- Cutting the wood with **precision**, using a **fretsaw** or **tenon saw**.
- Sanding the edges using a **belt sander**, **file** or sandpaper.
- Drilling holes with a **pillar drill**.



Fretsaw



Tri-square



Files



Belt sander



Pillar drill



Tenon saw

Key Vocabulary

Product	The item that you are making – the bug house.
Design	Come up with, and develop, your own ideas for a product.
End User	The customer for whom you are designing your product.
Precision/ precise	Measuring, marking and cutting with high levels of accuracy.
Structure	The way that the pieces of your bug house fit together to make the overall shape.
Evaluate	Think carefully about what went well and what you could have improved.

