

# 'Bug Hotel'

## Y7 Resistant Materials - Knowledge

### You should be able to...

- Work to build a creative, strong and durable bug hotel.
- Create an end product that is fit for purpose
- Create a focussed Design Criteria
- Test and evaluate your findings

### Keywords:

Structure	Stability	Sturdy
Soft wood	Coping Saw	Test
Measure	bamboo	Join
Time management		Plan
Design	Model	Prototype
Reinforce	Evaluate	Make
Precision	Quality	Finish
Freestanding		Strengthen
Properties	Creative	Materials
Compression		Research
Fit for purpose	End user	Bugs

# Creativity Solution Design

Skills

Stability

Can you help by building a bug hotel for the Joy garden?

Make your own **bug hotel** using natural materials to attract ladybugs, bees, and other beneficial insects to the garden.

Safe hideaways can be hard for wildlife to find in some gardens.

**You have been tasked to design and created a bug hotel using sustainable materials and components**

Using suitable materials that you can source such as; dry leaves, bamboo sticks or straw for ladybirds (they eat aphids) and other beetles and **bugs**. Corrugated cardboard for lacewings (their larvae eat aphids, too) dry leaves which mimic a natural forest.

### Choose a suitable site.

You'll get different residents depending on where you place your hotel, as some like cool, damp conditions and others (such as solitary bees) prefer the sun. If you have vegetable beds, keep it a good distance away from them.

**The basic structure.** You will need a strong, stable framework that's no more than a metre high!

**Fill the gaps.** The idea is to provide all sorts of different nooks and crannies, crevices, tunnels and cosy beds.

**Add a 'roof'.** When you think you've gone high enough, making sure the stack remains stable, put a roof on to keep it relatively dry.

### What materials?

