

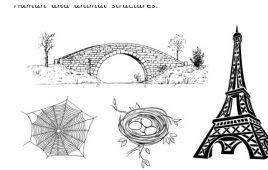
Year 1 - Structures - Stable Structures - Term 1

Key Vocabulary

Structure	Something built for a purpose.
Stable	Not likely to topple over.
Unstable	Likely to fall or topple over.
Freestanding	Able to stand on its own.
Base	The bottom part that supports a structure.
Compare	To say how things are alike or different.
Design	To plan what something will look like.
Product	Something made for people to use.
User	The person a product is made for.
Improve	To change something to make it better.

What is a structure?

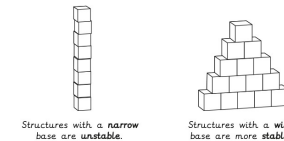
Structures are built to do a job. Some are made by people; others are built by animals.



Bridges, nests and webs are all structures.

Wide bases are more stable

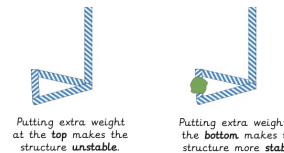
A narrow tower can topple more easily. A wide base helps spread its weight.



Build up from a wide, steady base.

Where should weight go?

Extra weight high up makes a structure less stable. Weight at the bottom can help it stay upright.



Place heavier objects towards the bottom.

To know statements

To explore stability by balancing.

To explore wide or narrow bases by building towers.

To test a structure's stability with weight added in different places.

To design a stable structure that meets the needs of a user.

To use a variety of cutting and joining techniques to make a stable product.

What can you remember from previous units?

What makes a model strong enough to stand?

How can you join materials to make a structure?

Anything else you have learnt?

What have you enjoyed?