St Robert's Catholic Primary School Catholic Primary School

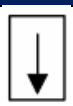
DT Knowledge Organiser- Autumn 2

Structures – Stable Structures

What should I already know?	What will I know at the end of the Unit?
• Join different materials together and develop a junk model. • Join materials in a variety of ways. • Describe their favourite and least favourite part of their model.	• Explain that structures are things that are built and have a purpose. • Understand that structures with a wider base are more stable than ones with a narrow base. • Explain that extra weight added to the base of a structure makes it more stable. • Design a product for a particular user. • Use a sketch to show ideas. • Choose the best method for joining the parts of the product. • Make evenly spaced cuts. • Use scissors to cut out a shape neatly and accurately. • Explain what they like and dislike about their final product.

Key Vocabulary

better 

base 

compare 

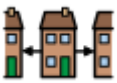


user

design 



unstable

freestanding 



structure

stable 



worse

Links to Careers



Architect



Builder



Carpenter



Surveyor

Links to Catholic Social Teaching









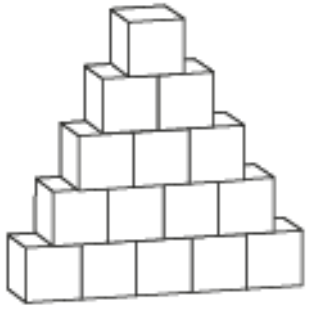


D&T - Stable structures

A **structure** is something that is built to do a job.



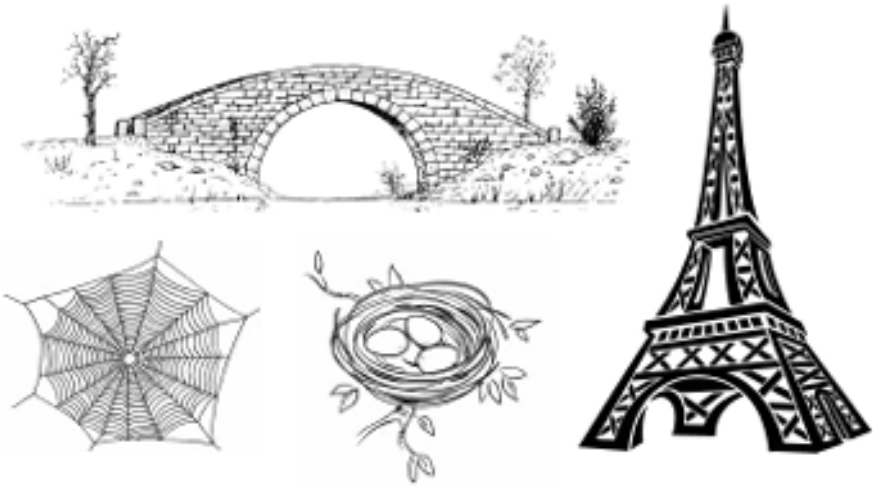
Structures with a **narrow** base are **unstable**.

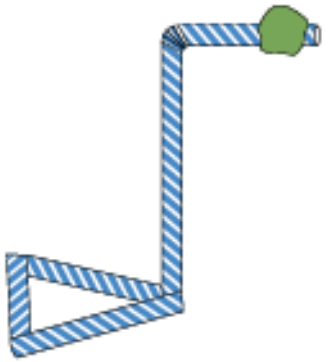


Structures with a **wide** base are more **stable**.

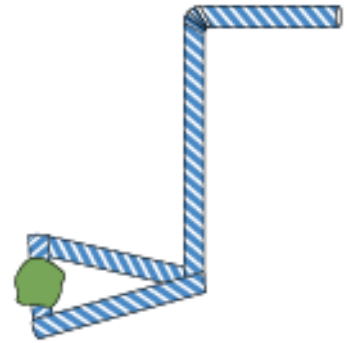
better	Nicer, easier to use or lasts longer.
compare	To say how things are the same or different.
design	To make, draw or write plans for something.
explain	Tell someone about something clearly.
freestanding	Can stand up on its own.
product	Something that people make to sell or use.
stable	Not likely to topple over.
user	The person that something is made for.
worse	Less nice, harder to use or breaks easily.

Human and animal structures:





Putting extra weight at the **top** makes the structure **unstable**.



Putting extra weight at the **bottom** makes the structure more **stable**.