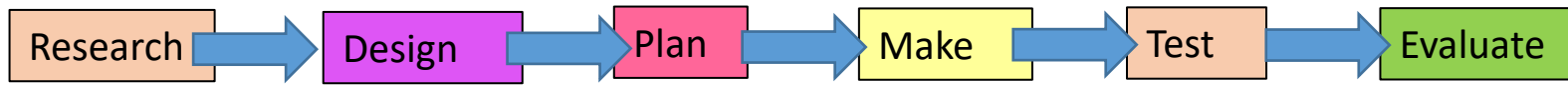






Bridges

Brief: to build a bridge for a class test to hold as many toy cars as possible.

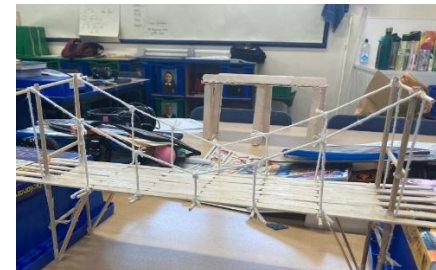
Design process



Technical vocabulary

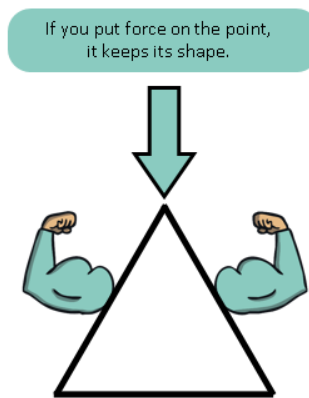
Beam bridge	
Suspension bridge	
Arch bridge	
Truss bridge	
Supporting column	This is attached to the ground and supports the bridge
Decking	The surface of the bridge which people, cars or trains travel across
joining	The way the parts of the bridge are joined together

What we will make?



Key Knowledge

Bridges are built using **triangles** because they are **strong**.



Stages of Development

1. **Research** – look at different bridges. How are they built? How are they different?
2. **Design** – what will it look like? What will it be made out of?
3. **Plan** – What materials will I need? What tools will I need? What order will I do things in?
4. **Make** mock up bridges to support toy cars
5. **Test and Evaluate** – what went well? What would you do differently next time?