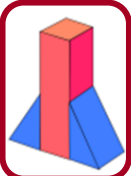


Year 1 Spring - Design, Make and Evaluate a Free-Standing Inclusive Playground



Buttress

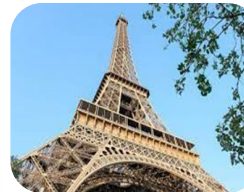
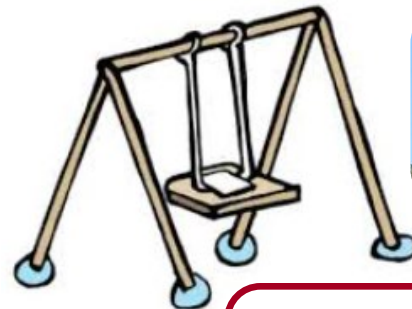
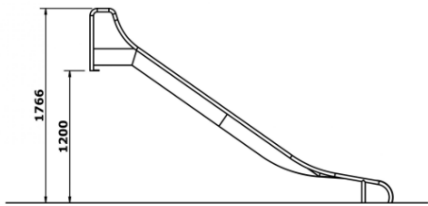


Wider Base



Sticky Knowledge:

- To know what a freestanding structure is.
- To know how to make a structure stable.
- To know that an accurate drawing is important when designing a product.



Free standing
structures around
the world.



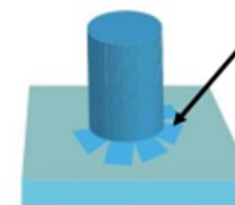
Glossary:

- **structure** – a building or other object constructed from several parts
- **brace** - a device fitted to something, in particular a weak or injured part of the body, to give support.
- **Freestanding** - not attached to or supported by another structure
- **Stable** – firmly fixed
- **buttress** – a structure added to a wall, tower or framework to make it more stable and/or reinforce it.
- **Brick bonding** – arranging bricks in a wall to improve the performance of the structure or improve its appearance.
- **Mock-up** – 3-D representation of a product.



Brick bonding

Joining Techniques



Joining
with
glue



Joining
with
tape