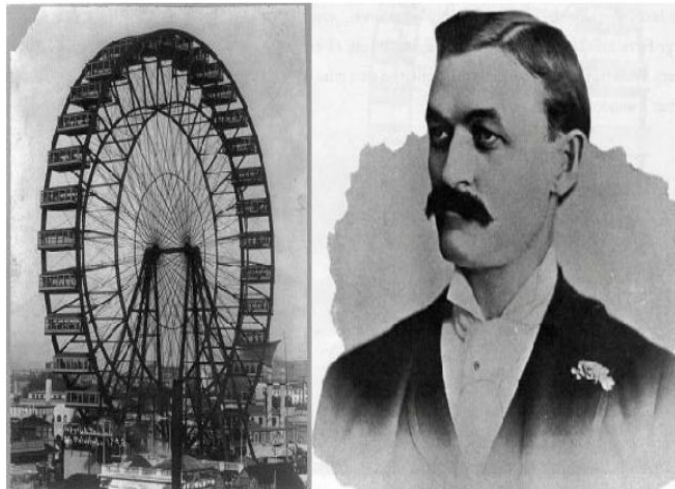


Grange Park Primary School Year 5 Spring 2 and Summer 1 Design and Technology

Frame structures (mechanisms): Construct a moving fairground ride

Key People and Events

1200's	The first recording of a fairground in Hampshire where the main attraction was the trade in different types of sheep.
18th century	The fair became more of a place for entertainment and trade.
19th century	The first fairground ride was invented. It was a roundabout which had wooden horses as seats and was pushed manually.
19th century	The first steam-powered roundabout was created.
Late 19th century	The first roller coaster was built in the UK.
1893	George Ferris Smith from Chicago invented the Ferris Wheel.



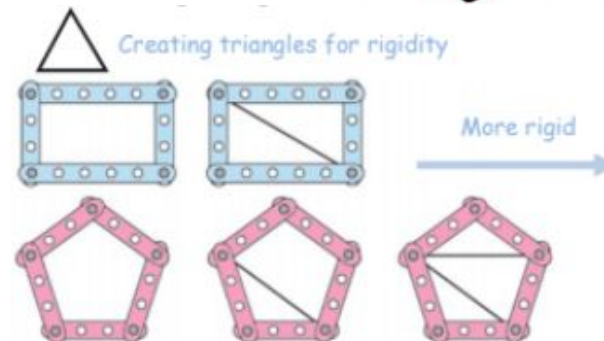
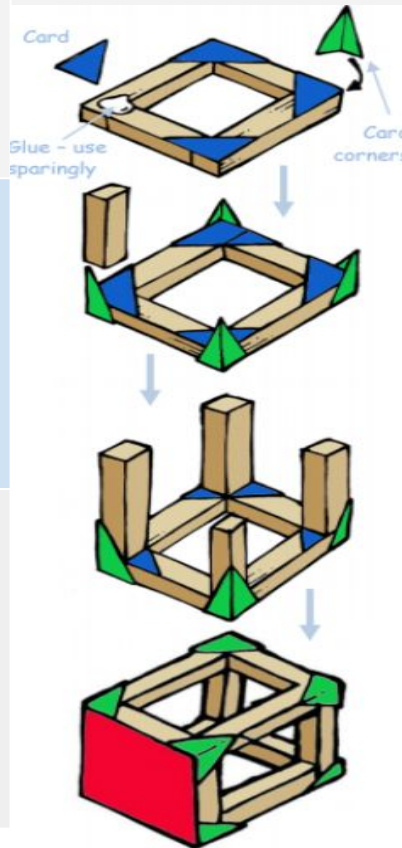
Key Knowledge and Skills

Card triangles can be used to make joints

Glue on triangles for rigidity

Apply wood onto frame

Completed frame structure



Key Vocabulary

Ferris wheel	A fairground ride consisting of a giant vertical revolving wheel with passenger cars on its outer edge
hacksaw	A fine-toothed saw, mainly used for cutting wood and metal
Clamp or vice	A device, usually fastened to a workbench consisting of two jaws, opened and closed by a screw, lever, etc. and used for holding firmly an object being worked on
glue gun	An electronic tool used for melting and applying sticks of adhesive.
parallel circuit	A parallel circuit contains more than one path for electricity to pass through.
motor	A component (within a circuit) that converts electrical energy into mechanical energy.
mechanism	Any tool used to convert or control motion or transmit control or power.
specification	A list of goals that the final design must achieve.

