

Humanities

Compare high points in the local community. (towers, chimneys and other man made / natural points).

Comparisons between pictures of castles from different time periods.

Use of timelines to sequence historical order (link to memory box theme)

Use photographs and pictures to compare the locations of great towers from around the world.

Match the towers to its location using world maps and globes. (CN tower in Toronto, Big Ben, The Shard, Leaning Tower of Pisa, The Eiffel Tower in Paris and the Tokyo Skytree).

Look at and describe images of world famous tunnels and bridges.

Listen to the story of the World War Two 'Great Escape' from the prisoner camp Stalag Luft III

Look at pictures of amazing manmade structures around the world. Write postcards home from a visit to one of these structures.

Significant Individuals - Isambard Kingdom Brunel

Science

Investigate materials properties.

Compare the suitability of materials for particular uses

Investigate who can build the biggest tower using different approaches / designs and materials. Predict which will be the best tower, why?

Learn about animals that tunnel
Investigate properties of bridges. Why are they shaped in different ways, can they be classified into groups?

Build cardboard bridges and test their strength. Which shapes are the strongest / why?

Make a biscuit bridge. Plan a fair test which are the best and worst biscuits for bridge building. (alternatively use marshmallows and dried spaghetti)

Creative Arts

Design and build a model castle using recycled materials. How will the tower/ castle be secure? (use bases of different sizes/shapes)

Look at images of famous engineering designs throughout history. Which do they like best/ why? Ask students to design their own statues/ buildings

Learning Journey Theme Towers, Tunnels and Turrets

Computing

Use the internet to research different type of castles in the UK. How do these structure differ to fortifications in the world?

Use the internet to take a virtual tour of a castle / bridges / tunnels.

Design an information brochure for visitors to a famous world structure

Life Skills

Timelines / important dates/ telling the time
What is a 'dilemma' set students a problem solving task to encourage team work / cooperation (river crossing tasks/ sheep and shepherd etc.) Building bridges/ tunnels tasks, save the egg/ water balloon.

English subject material is covered outside of this theme

Maths

Measures and record lengths and heights, mass/weight; capacity and volume & time

Collecting data i.e. tally charts
Representation data i.e. charts, tables & diagrams