

# DT - Year 3 - 2.6 Frame Structures: Truss bridge

## What should I already know?

- Bridges are important structures that allow humans to cross bodies of water.
- Bridges now are usually made from concrete and steel but before they used to be made out of wood.

## Example of a truss bridge



## Key Vocabulary

<b>Rigid</b>	On object that is stiff and does not bend or change shape
<b>Truss</b>	A structure made of triangles
<b>Strut</b>	Something that strengthens a structure
<b>Joining plate</b>	Something attached to a joint to strengthen it
<b>Chord</b>	The top or bottom of a truss structure
<b>Pier</b>	A solid structure supporting a bridge
<b>Product</b>	Something that has been created or made
<b>Purpose</b>	The reason for which something is made
<b>Inspiration</b>	Where you got your ideas from
<b>User</b>	The person for whom the product is designed
<b>Component</b>	A part of a larger whole (for example a part of a machine)
<b>Fluency</b>	If you are fluent in something, you do it effortlessly.

## Facts about Truss bridges

- The earliest truss bridge was made of wood in 1820.
- Truss bridges are made of several triangles joined together.
- The longest truss bridge is in Japan.