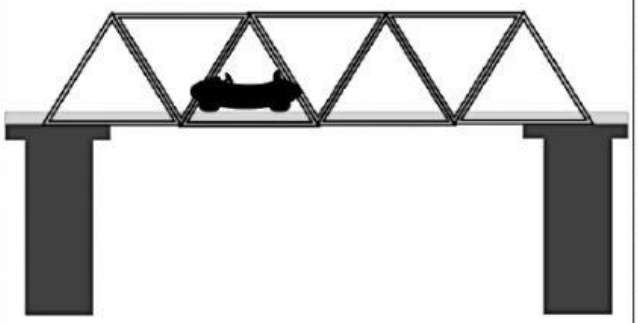
The Types of Truss Bridges

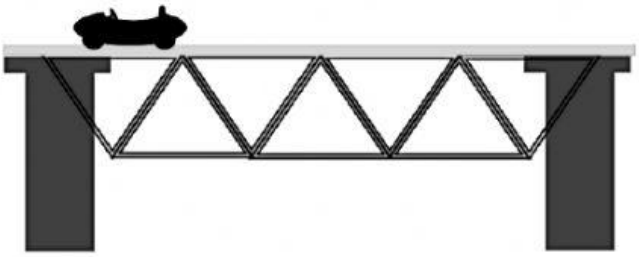
While there are many different designs for truss bridges, the pictures below show the basic structure of the three categories of truss bridges.

Through Truss Bridge-

Trusses are positioned above the deck or roadway.

Find an example of an existing through truss.
Bridge Name:_____
Bridge Location:_____





Deck Truss Bridge-

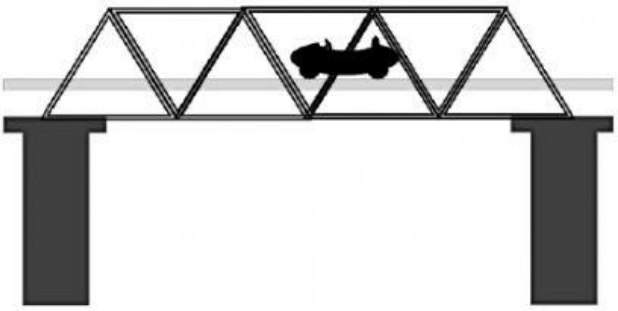
Trusses are positioned below the deck or roadway.

Find an example of an existing deck truss.
Bridge Name:_____
Bridge Location:_____

Half-Through Truss Bridge-

Trusses are positioned both above and below the deck or roadway. Half-through truss is also known as pony truss bridge.

Find an example of an existing half-through truss.
Bridge Name:_____
Bridge Location:_____



Fun Fact

William Howe patented the Howe Truss and his nephew, Elias Howe, patented the sewing machine.

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The Truss Bridge

Complete each sentence with a word that makes the sentence true.

Most of the earliest bridges were_____bridges, but the _____bridge is the earliest "modern" bridge.

Truss bridges are similar to beam bridges, except the truss bridge has_____ .

Truss bridges are categorized by the location of the trusses compared to the _____.

The three categories of truss bridges are _____, _____, and_____.

Vocabulary Practice:

From the passage, **braces** most likely means:

○ metal worn on teeth ○ supports ○ cables ○ iron

From the passage, **initially** most likely means:

○ now ○ unfortunately ○ later ○ at first

From the passage, **locomotive** most likely means:

○ movement ○ car ○ train ○ ride

From the passage, **member** most likely means:

○ person in a club ○ working part ○ design ○ bridge

From the passage, **categorized** most likely means:

○ grouped by likenesses ○ put in order ○ ordered by size ○ organized alphabetically

Draw a through truss bridge

Draw a deck truss bridge

Draw a pony truss bridge

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