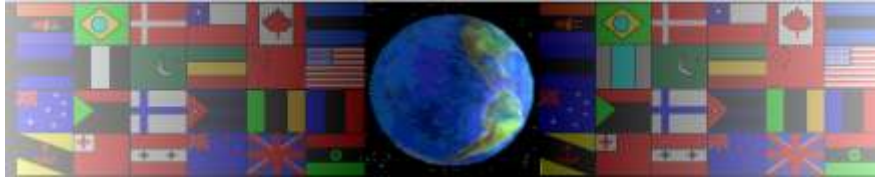


SUSPENSION BRIDGE

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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SUSPENSION BRIDGE

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1. The roadway / deck is the most important part of any bridge, as it allows people and traffic to cross. How is the deck of a typical suspension bridge held in position?

2. Name three well known suspension bridges. One in each of the following countries:

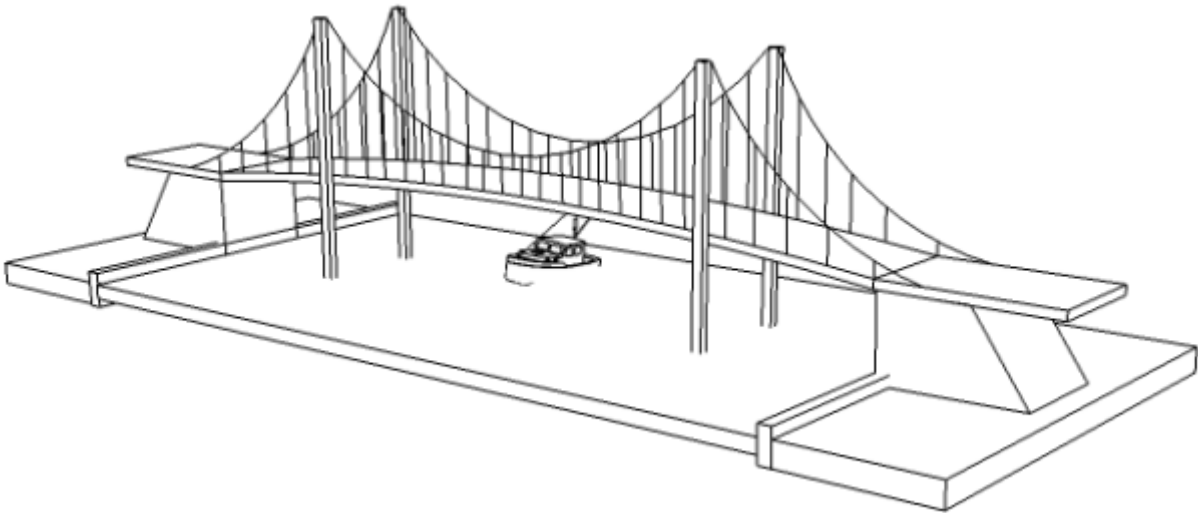
JAPAN: _____ USA: _____

UK: _____

3. On the diagram shown below, add labels to indicate the following parts:

DECK ANCHOR BLOCKS MAIN CABLES TOWERS

4. Add appropriate colour and shade to the drawing of the suspension bridge.



5. What is the function of the anchor blocks of a suspension bridge?

6. A section of a typical suspension bridge main cable is shown opposite. Describe the 'make up' of the cable.

7. Draw a person alongside the cable. This is to show the thickness of the cable in relation to the height of a human. Assume the suspension bridge is the size of one of the bridges named in question 2.

8. Label the important parts of the cable, using arrows to identify their position.

