

Teacher's Note

- Sydney Harbour Bridge was built across the Parramatta River in 1932 to connect the city proper with its northern suburbs. It arches 52m. above the water. It is in Sydney.
- The Brooklyn Bridge over the east river in New York City was dedicated on May 24, 1883. It was the largest suspension bridge in the world for 20 years. It spans 486m and uses 4 supporting cables spun from hundreds of steel wires.
- The Golden Gate Bridge was built in the 1930's. It stretches 1280m. across the Golden Gate, a strait separating the Pacific Ocean from San Francisco Bay. It links the city of San Francisco with its northern suburbs in Marin County.

Suggested Activities:

- ❖ Locate the bridges on the Internet or a multimedia encyclopaedia.
- ❖ Collect pictures of all sorts of bridges and make a bridge poster as a group project.
- ❖ Discuss the different techniques used to build bridges. Obtain library books about building bridges to help you.
- ❖ Discuss the different machines used to build bridges these days opposed to the huge manpower needed in the past to build a bridge.
- ❖ Build a sand-bridge if a large sandpit is available. Students will realize that wet sand works better. Use the beach to build a giant sand-bridge if possible.
- ❖ Build a bridge together from blocks or bits and pieces floating around. Who can build the strongest bridge?
- ❖ Try to build a bridge using a pack of playing cards. Who can build the strongest bridge here?

Learning Area: T&E. **Strands:** TP, M, I, S. **Substrands:** TP1,2,3,4. M1,2. I1,2. S1,2.

Overarching: 1,2,3,4,5,6,7,10,11,12,13. **Linking Subjects:** Eng. and Art.