



## EIFFEL TOWER

The Eiffel Tower stands at 324 meters tall (about 1060 feet) and when it was completed it was the tallest structure in the world. The tower's height was surpassed 41 years later by the Chrysler Building. It now holds the record of the tallest structure in Paris and the second tallest in France.

height



today...

Today, it is an attraction for millions of people and the most-visited paid monument in the world. People from all over the world gather below to ascend the tower or eat at its two restaurants. In fact, the tower's success is so huge that there are several replicas of different sizes, in many countries!



## SYDNEY BRIDGE

The Sydney Harbour Bridge is the tallest steel arch bridge in the world, measuring a total of 134 metres from top to water level. It used to be the world's widest long-span bridge, until the construction of the New Port Mann Bridge in Vancouver. Its total length is 1149 m.

size



today...

Today, the bridge connects the South central business district with the North, allowing traffic for vehicles, trains and bicycles. It blends perfectly with the nearby Opera House and the harbour. Tourists gather from all over the world to admire its spectacular views, by ascending the watch tower or even climbing on its top!



# DISCOVERING STEM

Science • Technology • Engineering • Mathematics

# ARCHITECTURE SET

## EIFFEL TOWER & SYDNEY BRIDGE

Engage your friends and family in interesting discussions about famous structures such as the Sydney Harbour Bridge and the Eiffel Tower, and build some huge scale models with Engino. First, you may need to start with the basics of buildings and bridges in order to gain all the necessary knowledge about forces, loads and materials. Learn how engineers manage to create rigid structures using the principle of triangulation, arches or cable supports. All your hard effort will be finally rewarded once the huge models are completed and displayed in a prominent place!

4

pages of  
theory and amazing facts!

13

pages of  
step by step instructions!



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