

BORDEAUX

ENGINEER

ACTIVITIES

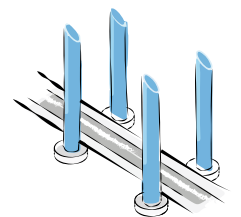


ACTIVITY ONE

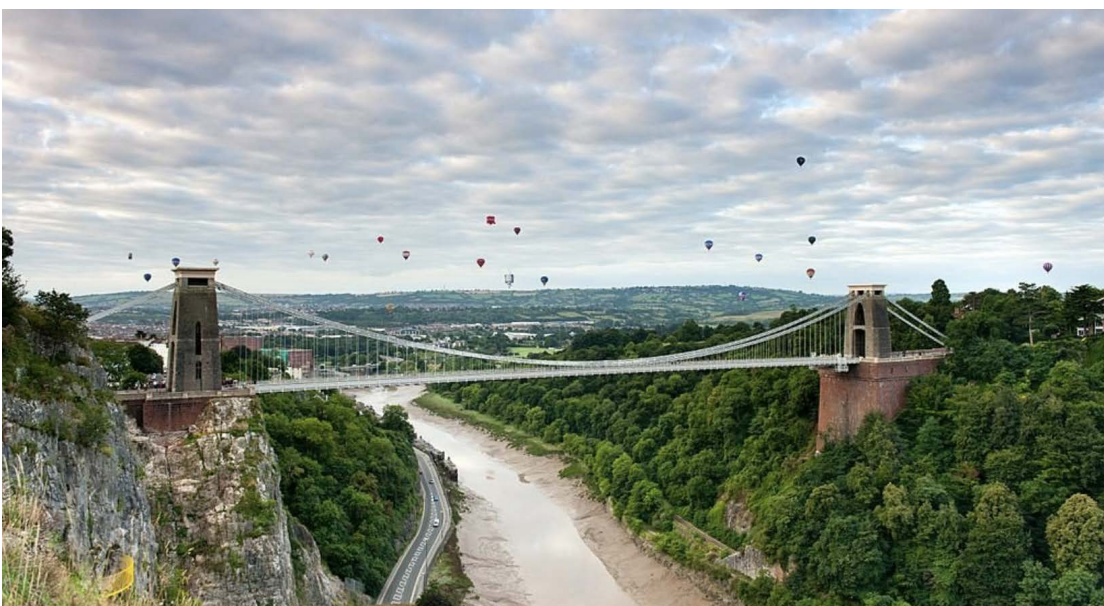
DEVENIR INGÉNIEURE

The most spectacular of Bordeaux's bridges is the **Pont Jacques Chaban-Delmas**, Europe's longest-span vertical-lift bridge which was opened in 2013 in Bordeaux, spanning the River Garonne. The central lift span is 117-metre-long and can be lifted vertically up to 53 metres to let tall ships pass underneath. You need to see this bridge to believe it.

Take a look at the bridges - what can you see that is similar or different? It might be the engineering or it might be their locations?



Pont Jacques
Chaban Delmas





ACTIVITY ONE

Bridges are designed to join two distinct places - what would your bridge look like? What would you make it from? How would its design be different to either of these?

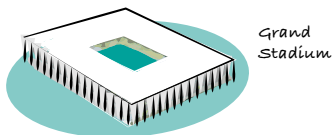
- a** Which river will it cross?
- b.** What will go across it? Cars/trains/boats/people/bicycles?
- c.** What will you make it from? Wood/steel/Recyclables? Which materials will be strongest?
- d.** Research some other bridge designs here <https://kids.kiddle.co/Bridge> and then design your bridge on the sheet provided



ACTIVITY TWO

THE BATTLE OF THE ARCHITECTS

Engineering and architecture are joined together as without the designs of buildings, the buildings cannot be built. In Bordeaux there are some incredible examples of architecture from the past but also much more recent buildings which give the city a modern feel. The Stadium Matmut Atlantique which is the city's main football stadium has looked to nature; each of the small lines are supposed to look like trees and the Cultural centre known as MÉCA is the city's newest architectural addition. **Which do you prefer?**



Grand Stadium



La Mécène Art Gallery

Your challenge though is to consider which of the buildings of Bordeaux are best? Would you rate the modern higher than the old and historic.

Set your own criteria to judge them? What would you say? Best design? Best materials? Fits in with the rest of the local area?

Choose four buildings in Bordeaux - 2 new and 2 old and judge them on your scale? If you have time find out a little more about each building and write a short fact file on each. Perhaps you could have a balanced discussion in class on which is best - classic or modern architecture? Which would you choose?