

Building bridges

London Transport Museum is looking for Fixers to be engineers of the future. Can you help us solve the engineering challenge below?

London Bridge station's rail bridge has too much traffic! Costain* is working with TfL to make a new bridge. Can you join their team to redesign the rail bridge over the River Thames to make people's journeys better?

Materials

Recycled materials (e.g. cereal boxes)
Scissors
Pens
Paper
Tape or glue



Instructions

1. **Draw your bridge design.**
How can you make your design look interesting and fun?
2. **Build a model of your bridge using recycled materials.**
Your bridge needs to be able to cross the River Thames. For your model, make sure it can cross a gap of at least 15 cm wide.
3. **Test your model.**
Can your model carry traffic? Use 3 teaspoons to test.

Find out more

Age 5-7	Topic Engineering	Time needed 30 min
Skills used Problem solving		Designing
*Who are Costain? Costain use technology and engineering to make transport better and to create cities for the future that improve people's lives. They recently redesigned London Bridge station.		
What does it mean to be an engineer? Engineers are people who solve problems. They use creativity to plan, fix and dream solutions to improve everyday life. Like an engineer, this activity encourages you to fix a problem and find solutions.		