

Blackburn Museum & Art Gallery – School Sessions

Bridge that Gap

This half-day session looks at Forces and how they act on and affect objects. We then look specifically at bridges and the forces acting on them before we have a fun competition to design and build a bridge applying what we have already learned. This session can be used to either introduce the topic or reinforce work already done in class.

If you have any questions or concerns please just ask our staff when you make a booking.

Aims:

- To enthuse children for the topics of design and forces
- For the children to find out about the ways in which forces act upon an object
- For the children to apply their learning to a practical problem

Content:

1. Meet and greet pupils and staff,
2. Housekeeping 05 minutes
3. Q & A 05 minutes
We lead a discussion with the kids about forces to determine what they already know
4. A presentation on Forces in general and how that act on bridges in general. This will be interwoven with a discussion on ideas around good and bad design c.30 minutes
5. Bridge that Gap 60 minutes
The children work in groups of 4-5 to build a bridge in response to a challenge. They have to work as a team to design and then build a bridge to meet the specification for the lowest cost.
6. Summary 05 minutes
A quick summary with questions for the children such as:
“What have you learned today that you didn’t know before you came?”
“What are you going to try and find out more about?”
7. Pack up and leave 05 minutes

Evaluation: we always appreciate your feedback and we’d be grateful if you would fill in one of our evaluation forms before you leave.