

Explore:

Engineering South West



Loan Box



Introduction

This Teacher's Resource accompanies the schools Loan Box, Explore: Engineering South West, available to hire from The Box, Plymouth.

Go to theboxplymouth.com to book your visit.

Risk assessment

Please conduct a risk assessment of these objects before using them with your class. Some of the objects included within this box have sharp edges, which you might need to treat with care with your students.

Lost/damaged items

If you have lost or damaged any items, please inform us as soon as possible, using this email address: TheBoxLearning@plymouth.gov.uk

Loan Box contents

Explore the feats of engineering behind Plymouth's most famous structures. Bridges, breakwaters, and lighthouses - there are some amazing examples of engineering in Plymouth.

What's in the box?

- 1 x Film carry case
- 35 x Reproduction images
- 1 x Film canister
- 1 x KNEX bridge building game
- 1 x KNEX manual

There are lots of different ways to use these objects with your class. Here's an idea to start you off:

1. Topic enhancer: research skills

Use the objects during the teaching of your topic, to enhance your teaching with a tangible experience.

Can your students find out more about engineering in Plymouth through the use of this Loan Box? Watch the film on the USB with your class - what can you find out about the construction of the Tamar Bridge? Do any of the images including in the box help with this? What do the other images show?

Use the KNEX game to make you're own bridges in the classroom - can you make different types of bridge?

We would love to see what they discover! Photos of research posters can be shared with us on Facebook, Twitter or Instagram with the handle @theboxplymouth.

Why not combine research skills with your ICT teaching, by using a free presentation app like Padlet or Explain Everything.

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