

Materials

Project 4

Build a Bridge

TASK:

Design and create a bridge from a material that is strong enough to hold a toy lorry.

CRITERIA:

- The bridge should be 40 cm long.
- The bridge must be able to support the weight of a small toy lorry for at least twenty seconds.
- The bridge must be smooth enough for the lorry wheels to travel across it.

SUGGESTED MATERIALS:

- small toy lorry
- building supplies such as lollipop sticks, dowel rods, cardboard, plastic, metal rulers, newspaper
- string
- Sellotape



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- Research the best materials for building a bridge.
- Draw a plan of what your bridge will look like.
- Collect the materials you will need, including a small toy lorry, building materials, string and Sellotape.
- Create the bridge to look like your plan.
- Check that the bridge meets the criteria.
- Give a demonstration of the strength of the bridge, explaining which material was chosen and why.

