

SIR SIDNEY McSPROCKET'S

VICTORY VAULT

Bridge Builders Challenge

Discover the power of teamwork and clever design with this hands-on bridge task! Construct your own mini Bailey Bridge using lolly sticks or straws and test how strong it really is. These incredible bridges were built without cranes or welding and could carry tanks across rivers. Can your design hold up under pressure?

You'll Need:

- Lolly sticks or straws
- Sticky tape or string
- Scissors
- Toy car or weights to test strength
- Ruler or book to create a river gap

Bailey Bridges could be built by hand in a matter of hours!

Steps:

1. Use a gap between books as your river.
2. Use lolly sticks and tape to build a bridge across the gap.
3. Test how much weight it can hold – try your toy car or coins.
4. Strengthen your design using triangle shapes and supports.
5. Measure your bridge length and tweak the design to make it stronger.