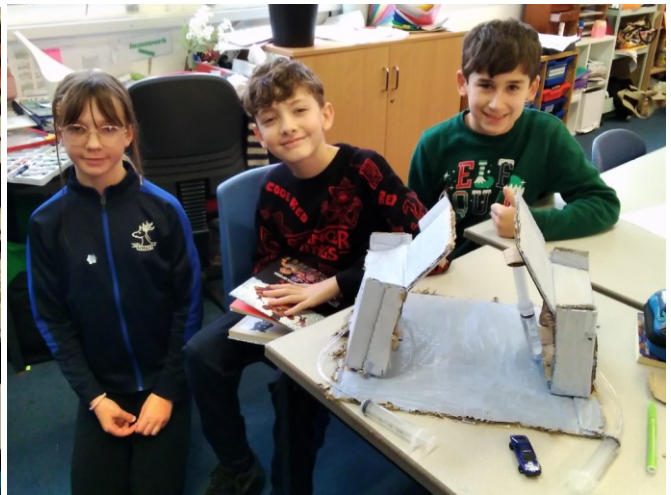
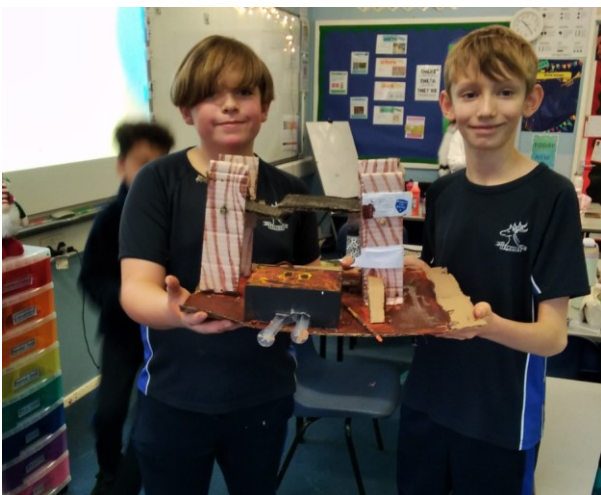
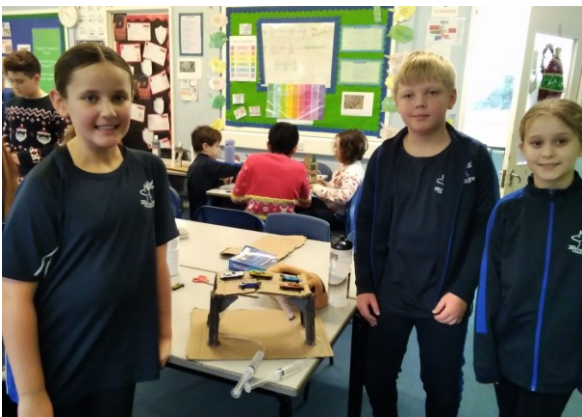


Year 6 Bridge Project

The Year 6 classes enjoyed their opportunity to design and make a bridge using hydraulic mechanisms. The children came up with some amazing designs and were very skilful in constructing their bridges. We should like to thank Mrs Woodcock, our Design & Technology Lead, for supporting the Year 6 team with planning this exciting unit of work.



The children investigated different bridge types, tested materials for strength and learned how structures are reinforced. As part of the project, pupils incorporated a hydraulic moving element, allowing their bridges to lift or open using simple syringe-based systems. Using their designs, pupils worked carefully to construct and evaluate their bridges, testing how much weight they could hold and how smoothly the hydraulic mechanism operated, before suggesting improvements. The project developed problem-solving skills, teamwork and an understanding of how real-world bridges are designed.

