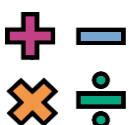


STEAM Challenges

Year 6 – Spring 1

Science 	<p>To be completed during the week beginning 12th January 2026 Design a working electrical circuit that solves a real-life problem or performs a useful task, e.g. an alarm for a door, a sign for your bedroom, a steady hand game. It must use basic components, and it should work if we test it out.</p>
Technology 	<p>To be completed during the week beginning 19th January 2026 Design and build a simple interactive game or quiz that teaches children how to stay safe online. Key ideas to include: At least 5 questions around online safety, feedback for correct/incorrect answers, playable on paper or digitally (PowerPoint, Scratch, Google Slides)</p>
Engineering 	<p>To be completed during the week beginning 26th January 2026 Design and build a crane that can lift a small object (a toy or block) using only simple materials, forces and pulleys. Rules: Use recycled everyday materials It must be free-standing</p>
Arts 	<p>To be completed during the week beginning 2nd February 2026 Create a short performance (drama or music) that shows how electricity impacts our lives. You can choose one of these approaches: Drama: Act out a scene where electricity suddenly disappears—how do people cope? Or show the invention of electricity and its effect on society. Music: Compose a short piece inspired by electricity. Think about rhythm and dynamics to represent energy flow, sparks, or circuits. You could use body percussion or instruments.</p>
Maths 	<p>To be completed during the week beginning 9th February 2026 Play a game of would you rather with maths! Answer these questions and explain your reasons clearly, You can also make up your own questions to challenge a family member. Would you rather... Be given 60% of 2 pizzas or 25% of 5 pizzas? Have 10% of £5 or 75% of 80p? Be bitten by 15% of 120 mosquitoes or 8% of 250 mosquitoes? Sit in a traffic jam for 33% of 2 hours or 44% of 1hr 40mins?</p>

Children in Year 6 can bring any STEAM Challenge work they complete into school or submit it to the year group homework email address –
year6homework@watlingprimary.org.uk