



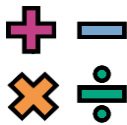


STEAM Challenges

Year 6 – Spring 1

<p>Science</p> 	<p>To be completed during the week beginning 12th January 2026</p> <p>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>
<p>Technology</p> 	<p>To be completed during the week beginning 19th January 2026</p> <p>Design and build a simple interactive game or quiz that teaches children how to stay safe online.</p> <p>Key ideas to include:</p> <p>At least 5 questions around online safety, feedback for correct/incorrect answers, playable on paper or digitally (PowerPoint, Scratch, Google Slides)</p>
<p>Engineering</p> 	<p>To be completed during the week beginning 26th January 2026</p> <p>Design and build a crane that can lift a small object (a toy or block) using only simple materials, forces and pulleys.</p> <p>Rules:</p> <p>Use recycled everyday materials It must be free-standing</p>
<p>Arts</p> 	<p>To be completed during the week beginning 2nd February 2026</p> <p>Create a short performance (drama or music) that shows how electricity impacts our lives. You can choose one of these approaches:</p> <p>Drama: Act out a scene where electricity suddenly disappears—how do people cope? Or show the invention of electricity and its effect on society.</p> <p>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>
<p>Maths</p> 	<p>To be completed during the week beginning 9th February 2026</p> <p>Play a game of would you rather with maths!</p> <p>Answer these questions and explain your reasons clearly, You can also make up your own questions to challenge a family member.</p> <p>Would you rather...</p> <p>Be given 60% of 2 pizzas or 25% of 5 pizzas?</p> <p>Have 10% of £5 or 75% of 80p?</p> <p>Be bitten by 15% of 120 mosquitoes or 8% of 250 mosquitoes?</p> <p>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