

Science Home Learning Grid



Overview		
We are learning about electricity. Electricity can be natural or generated by humans. Electricity can be mains electricity or electricity stored in batteries. Circuits need to be complete, with no gaps, and have a source of electricity for the components to function. Mains electricity is extremely dangerous – you should NEVER experiment with mains electricity.		
Choose a Challenge		
In the Blended Learning Activities below you will find three challenges. Challenge One is the basic challenge and supports the learning completed in class. Challenge Two involves more thought and further develops the classroom learning. Challenge Three is designed to extend and deepen the class learning. Choose one Challenge to complete each week		
Knowledge Organiser		
The knowledge organiser contains details of learning for this topic. Within the knowledge organiser, the key vocabulary contains essential words to learn to define, spell and use during this learning. Remember to use the key vocabulary regardless of which challenge you choose.		
Week One & Two Due 27/4/26		
INTRODUCTION		
Challenge One - Learn Read the Knowledge Organiser and highlight any key facts that you did not know.		
Challenge Two - Develop Read the Knowledge Organiser and highlight any key facts that you did not know. Research one key fact.		
Challenge Three - Extend Read the Knowledge Organiser and highlight any key facts that you did not know. Research and write about these key facts.		
Week Three & Four Due 5/5/26		
ELECTRICITY AT HOME		
Challenge One - Learn Use the Switched on Kids website. In the Fun & Learning section, play the Amazing Electrical Knowledge Quiz. Print off your certificate. https://www.switchedonkids.org.uk/		
Challenge Two - Develop Use the Switched on Kids website. https://www.switchedonkids.org.uk/ Complete the Electrical Safety in your Home section. Write about five dangers of electricity in your home.		
Challenge Three - Extend Use the Switched on Kids website. https://www.switchedonkids.org.uk/ Complete the Electrical Safety in your Home section. Create a safety poster about electrical safety in the home.		
Week Five Due 18/5/26		
ELECTRICITY AND THE ENVIRONMENT		
Challenge One - Learn Use Two Thirty Volts website. https://www.twothirtyvolts.org.uk/education/environment/ Complete the challenge. Can you identify which energy sources are renewable and which are non-renewable? Record your answers in your book.		
Challenge Two - Develop Use Two Thirty Volts website. https://www.twothirtyvolts.org.uk/education/environment/ Complete the challenge. Create an information poster about one renewable source of energy.		
Challenge Three - Extend Use Two Thirty Volts website. https://www.twothirtyvolts.org.uk/education/environment/ Complete the challenge. Create a persuasive leaflet encouraging people to use renewable energy sources.		
SCIENCE ASSESSMENT		
Wednesday 20th June 2026 It is essential to revise ALL the learning on your knowledge organiser. This includes the vocabulary. Learn to read, understand, define, spell and use the twelve scientific words.		