

Year 6 Home Learning – Spring Term 2

During this project, we will learn about the how to create and test electrical circuits, investigating batteries and measuring voltage of different batteries. To enhance this learning at home, we would like the children to think about electrical safety in the home, to research and present a fact file on an inventor listed below or to present any linked project to the topic of electricity.

Activity ideas

1. **Reducing Risk – The Safety Inspector:** Look at the picture on the following page and write a report, describing all of the potential dangers presented in the picture, explain why they are dangerous and suggest how they could be made safe.
2. **Inventors:** Throughout time, there have been many inventions to do with the topic of electricity. Choose one and find out:
 - Why they became famous / what they invented or discovered.
 - Significant dates or uses of their invention / discovery.
 - Where they were from and when they lived.
 - How their invention / discovery has affected our lives today.

Choose from:

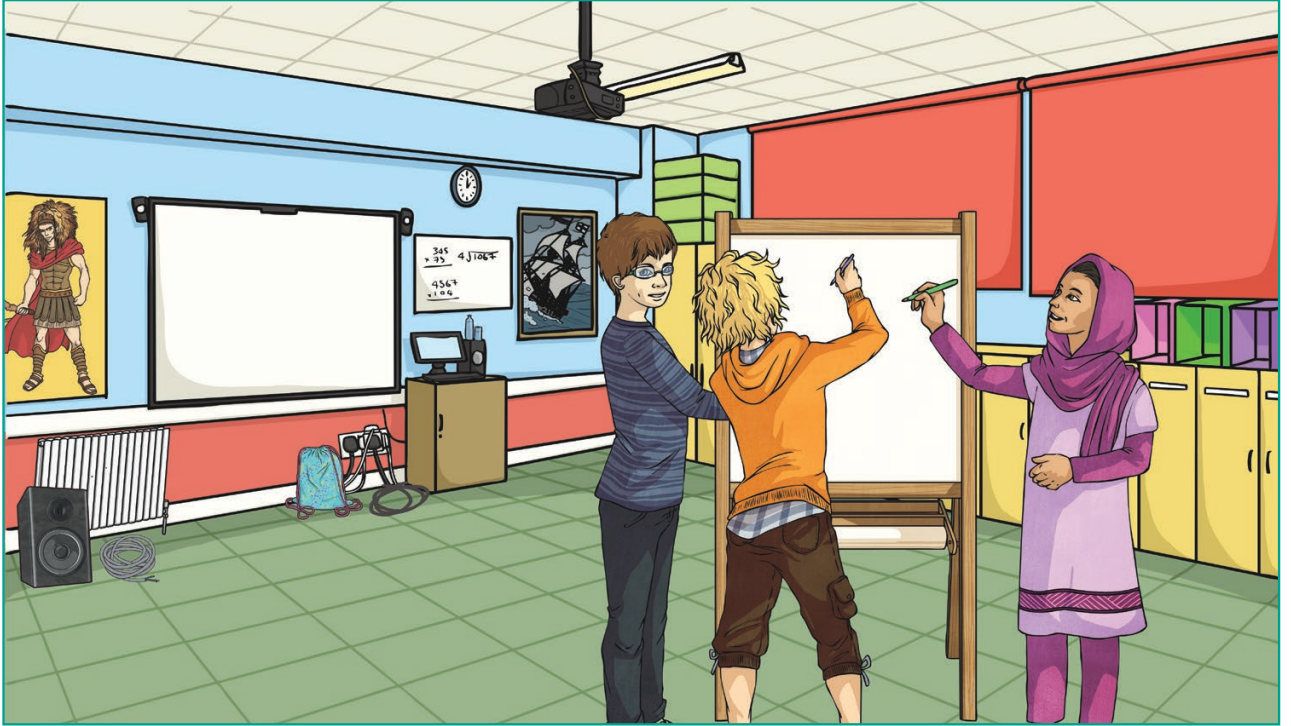
- a) Nikola Tesla
- b) Benjamin Franklin
- c) Alessandro Volta
- d) Michael Faraday
- e) Thomas Edison
- f) Lewis Latimer
- g) Dr Maria Telkes

3. **Clean Energy:** Find out about 'clean energy' and how to create electricity using renewable resources. When were these invented and how widely are they used today? What is the future of these ways of creating electricity?
4. **Art:** Lightning is nature's untamed electricity. Create a piece of artwork to reflect a lightning strike.



You may need more paper to answer this fully. Ask your teacher if you need paper for your homework.

— Reducing Risk – The Safety Inspector



What Is the Danger?

Who Could Be Affected? Why/How?

What Could You Do to Prevent Harm?

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.