

Why Does Lightning Flash?

Session 2 (p12-23)

LI: Retrieve and record information from non-fiction

Before Reading

- Write a short paragraph to summarise the information you learned from session 1.

During Reading

Read p12-17 and answer the following questions.

1. What was Edison's big invention? (p12)
2. Edison's idea was patented in 1880. What does that mean? (p12)
3. List three other things Edison invented, apart from the lightbulb (p12-13)
4. Why did Edison invite reporters and scientists to Pearl Street in New York in 1882? (p13)
5. Where was the world's first electric power station? (p13)
6. Describe one of the longest powers cut ever on p14 or 15. Include information about where it happened, when it happened, how long it lasted for and the effect of it on the people that lived there.
7. Look again at p12-15 and answer the following:
 - a. What are the main ideas on these pages?
 - b. How do the titles of these pages link to the main ideas?
8. What is the national grid? (p16)
9. Explain what is meant by the following:
 - a. sockets (p13)
 - b. cables (p16)
 - c. voltage (p17)
 - d. transformers (p17)
10. Explain how electricity gets from the power station to your home (p17).

After Reading

- From the information you have read on p12-17, describe how the invention of electricity has changed how we live today.
- Answer Bug questions on p13, 17 and 21
- Read p18-23 and write 3 facts you have learned from those pages.

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