

## Electricity Unit – Learning at Home

Copy and paste the YouTube link into your internet browser and watch the video!

Bill Nye the Science Guy: Static Electricity <https://www.youtube.com/watch?v=iHGpJChYQ5o>

3. Understanding basic concepts: 3.1 & 3.2

Main points in film:

Try to answer these questions in point form.

- What is static electricity and how does it work?
- What is lightning?
- Some home experiments to play with static electricity.
- Why do clothes stick together in the dryer?
- How do we discharge static electricity and what does it do?
- What is a ground wire and why is it important?
- The discovery of static electricity.
- What are lightning rods?

After watching the video see if you can answer these questions:

- How is current electricity and static electricity different?
- In the video the two girls use a comb to brush their hair and it causes the paper and water to move towards the comb. Why did the paper and the water do that?
- In the video, some people rubbed balloons on their hair and then the balloons could stick to the wall. What made the balloons able to stick to the wall?