

The Dangers of Electricity

12PHYS - Electricity

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2019

Starter

Play with the simulation linked in Google Classroom and **brainstorm situations where static electricity is dangerous and how to minimise the danger.**

PhET: Balloons & Static Electricity

Do You Remember:

1. How do you make something positively charged or negatively charged?
 2. Explain why the hair sticks to the balloon
 3. Explain why the hair stands up when you are touching a Van der Graaf Generator
 4. Draw a charge diagram showing how a piece of paper is attracted to a positively charged rod
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Protecting Buildings

Protecting Electrical Devices

What Have We Learned?

- How to describe when static electricity can be dangerous

What it feels like when your friend
shocks you with static electricity



Figure 1: Static Electricity Joke



Figure 2: Lightning Rod



Figure 3: Static Devices