

## Grade – 3 It's Shocking! - Static Stations

Time: 20 minutes

### Overview:

- Students view a girl whose hair is standing on end and question how this happened. Students are guided through five stations involving static electricity.
- Students then view a video describing static electricity and each station is revisited with a brief explanation.
- Optionally, students complete a cause and effect statement about the stations.

### Lesson:

View the It's Shocking! - Static Stations presentation by clicking the link below.

- [It's Shocking! Static Stations Presentation Video](#) (15:01 minutes on YouTube)
- Optional - Download and complete the Static Stations - Cause and Effect worksheet
  - [Static Stations - Cause and Effect](#)

### Extensions:

- [Bill Nye - Static Electricity](#) (1:54 minutes on YouTube)
  - In this video, Bill Nye describes how a Van de Graaff generator causes hair to stick out away from the head explaining the picture shown at the beginning of this activity.
  - Optional - Download and complete a video reflection activity
    - [Bill Nye - Static Electricity Reflection](#)
- [All Charged Up: A Look at Electricity](#) by Jennifer Boothroyd on epic! Books.
  - This short book explores all aspects of electricity - What is Electricity? Static and Current Electricity, and Sources and Uses of Electricity.
  - Optional - Download and complete a reflection activity
    - [Charged Up Reflection](#)
- If you want to encourage your child to try any of these stations at home, any type of wool or silk (scarves, shirts, etc.) could be substituted for the wool cloth.

### Science Standards: Next Generation Science Standards (NGSS)

- The full eesmarts lesson Static Electricity meets the NGSS Performance Expectation:
  - [3-PS2-3](#). Ask questions to determine cause and effect relationships of electric or magnetic interactions between two objects not in contact with each other.

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