

Today in



we learned all about...

Electricity



- We learned that static electricity is created by friction, like two objects rubbing against each other, and the exchange of negatively charged electrons.
- We felt these electrons swarming around a balloon after we rubbed it on our heads.
- We experimented with the effect of static electricity on salt and pepper.
- We learned about lightning and electrical safety for example, lightning usually hits the highest point it can find.
- We used a Van de Graaff generator to create indoor lightning!
- We made an electroscope which shows that electrons repel other electrons.



LET'S TRY THIS AT HOME!



Amazing Electricity

You Need: A fine tooth comb, a ping-pong ball

- 1 Place the ping-pong ball on a smooth, flat surface so it can roll freely in any direction.
- 2 Comb your dry hair with the comb; this should cause the comb to acquire a negative charge.
- 3 Bring the comb close to the ping-pong ball and observe the reaction.

Explanation: The uncharged ball is attracted by the charged comb and begins to roll towards it. Do not allow the ball to touch the comb. Move the comb away and the ball will follow it around the table. The electrons on the comb want to share their charge with objects that have not charge, like your ping-pong ball.



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