



### Tinsel Science Experiment

<b>Science</b>	3 <sup>rd</sup> and 4 <sup>th</sup> Class
<b>Strand</b>	Energy and Forces
<b>Strand unit</b>	Magnetism and Electricity
<b>Content Objectives</b>	<ul style="list-style-type: none"><li>• Explore the effects of static electricity</li><li>• Observe the effects of static electricity on everyday things in the environment</li></ul>

What is static electricity?

Everything is made of atoms. Atoms have protons, electrons and neutrons. Protons are positive, electrons are negative and neutrons are neutral. The balloon has the same amount of protons and electrons. When you create static electricity (rub the balloon) you change the balance of protons and electrons. The rubbing means that more negative electrons are transferred to the balloon. Positive and Negative charges attract. Negative and neutral charges attract. The tinsel is a neutral charge so the balloon and tinsel attract each other.

Materials Needed: Tinsel and Balloons

Method:

1. Blow up the balloon
2. Cut up tinsel (remove any wire in the tinsel if there is any)
3. Rub the balloon with your hair or a woolly jumper
4. Pick up the cut up tinsel with the balloon
5. Experiment picking up other objects with the charged balloon