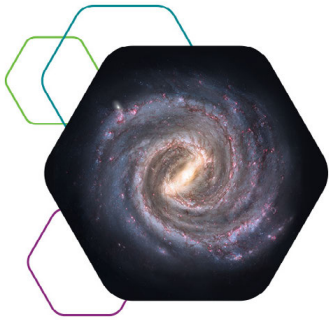


EXPLORING THE SOLAR SYSTEM

Static Electricity

Make a tool to detect
static electricity!





EXPLORING THE UNIVERSE

Static Electricity

Try this!



Experiment with the model *electroscope*—an instrument used to detect electrical charge. First, rub the foam tray on the wool felt for about ten seconds to charge it up. Then, wave the tray next to the wire on top of the electroscope without touching the tray to the wire. What do you notice about the foil shapes inside?



Follow the “Build an Electroscope” instructions to construct your own tool!

Now try this! Charge up the foam tray again and hold it close to (but not touching) the wire on your own tool. Keep experimenting! What happens if you use your own shirt to develop a charge? Can you get a stronger charge by rubbing the foam on the carpet? What happens if you rub the tray for a longer or shorter time?
