

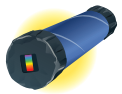
Solar Energy Experiment Tips

Read below for extra tips to help you complete your science experiments.



Solar-Powered Car

- Safety first: Tape together wire ends of the same color to help ensure the black and red wires don't touch each other.
- Place three small coins on the corner of the car opposite your motor. This helps the car stay balanced.
- Be careful where you place the tape. The tape could interfere with the wheels' movement.
- Adjust the top of the car to make sure it doesn't interfere with the wheels or touch the ground/surface. Either could slow down your car.
- Avoid placing too much weight on the car, as this will slow it down.



Spectroscope

- Never look directly at the Sun. If you look at flames (like a lit candle or campfire), ask an adult for help and maintain a safe distance.
- Make sure the slit between the sticker halves is very narrow and no more than 2 millimeters wide.
- Place a rubber band around the stickers to help secure them to the tube.



Ultraviolet Impact

- The beads are very sensitive to light. Keep the beads out of sunlight until you're ready to begin the experiment.
- Dunk the beads in cold water or cover them with dark fabric to return them to their clear/white color.
- Try many different kinds of sun protection to compare results. When testing sunscreens, cover the bag — not the beads — with lotion.