

## Elevators & Trams Experiment Tips

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



### Elevator Model

- Cutting your cardboard box may be difficult; ask an adult for help.
- Be careful when handling the eyelet screws because the ends are sharp; ask an adult for help.
- Take your time to measure the holes in the box accurately. Double check that the holes align.
- To measure the hole in your elevator shaft wall, align the wall against the side of the box and make a mark through one of the holes on the side of the box.
- When attaching the pulley holders, make sure the gasket sides face the front and back of your elevator.
- Before you tie your string onto the hand crank, make sure the string is taut. After you tie it, add tape to create more tension between the hand crank and string. This will help your elevator operate more smoothly.



### Aerial Tram

- Be careful using the rubber bands, as they can snap. Don't try to stretch the rubber bands on chair backs wider than 17 inches.
- Remember to tape the ends of your aerial tram platforms to keep them closed.
- Your aerial tram is only meant to support a very light weight, like paper. Don't put any heavy weight on your tram, as this will interfere with its movement.