

# Balloon Car Design Challenge Badge for Juniors



Are you up for a **challenge**? In the Mechanical Engineering Badge, girls design, build, and test out their own balloon powered car while they learn about **different forms of energy**, **jet propulsion**, and **alternative fuels**!

1. Learn about potential and kinetic energy. [Try this worksheet!](#)
2. [Design your own balloon powered car.](#)
3. Test your balloon power car. Mark the start and finish line. How far did it go?
4. How can you improve your design? Try it again!

Not sure where to start with your build? Try recycling a plastic water bottle or juice box to create the body of your balloon powered car.

Below are some examples to help you kick start your venture into **Mechanical Engineering**.

