

Rollercoaster Designer

Name: _____

STEAM CAREER CORNER

Civil Engineer

Civil Engineers are the people who make sure roads and bridges we drive on are designed to be safe and strong. They also design the roller coasters you see at theme parks. Civil Engineers make sure Rollercoasters are fun, safe and sturdy!

- Use the back of this sheet to sketch your initial plan.

- Your Rollercoaster will rely on gravity. Start with your ping pong ball at a high point so that the pull of gravity on the ball will transfer into kinetic energy as the ball careens down your first slope.
- If your ping pong ball falls off of your track, add guardrails to guide it along your track.
- Remember that your tracks will need support in order to stand and hold your ball.

