



Ziplines

3rd Grade - NGSS 3-PS2-1
Materials and Additional Resources



Materials

- Fishing line about 15 ft.
- 2 small paper cups
- 2 straws
- 2 paper clips
- 1 ft. masking tape
- 1 ping pong ball or pom pom or similar item



Engineering Design Process

[Ask, Imagine, Plan, Create Engineering Design Process](#)



Non-Fiction Reading

[Zip-line Facts for Kids](#)



Math

Thinking about and understanding angles is important when creating a zipline. There are many resources for learning about triangles, but here are a few we have used.

[Classifying Triangles](#)



Arts and Crafts

[Zipline Butterfly](#)



Videos*

[World's Largest Zipline](#)

[Zipline Ride](#)



Teacher Resources

[Build | Zip Line . DESIGN SQUAD GLOBAL | PBS KIDS](#)
[STEM zipline for kids | Bricks 4 Kidz](#)

**A note about YouTube videos - The listed videos have been previewed, however individual teachers should also preview to ensure content is appropriate for their students.*