



Zany Zip Lines

For children in 1st - 4th grades

1. Get Your Supplies

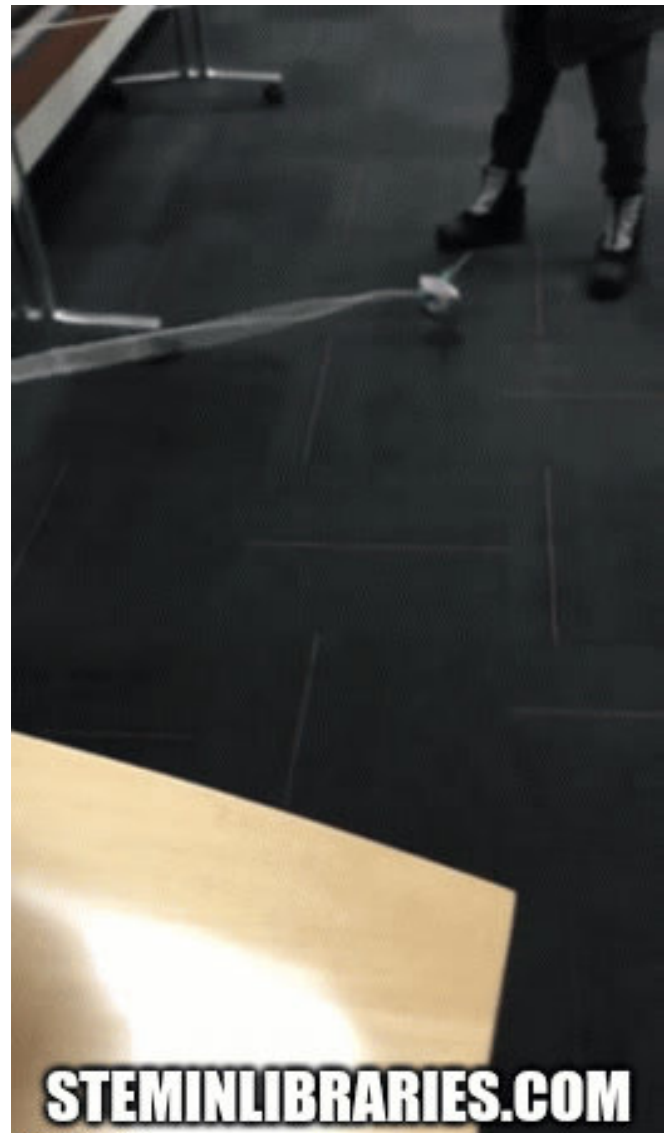
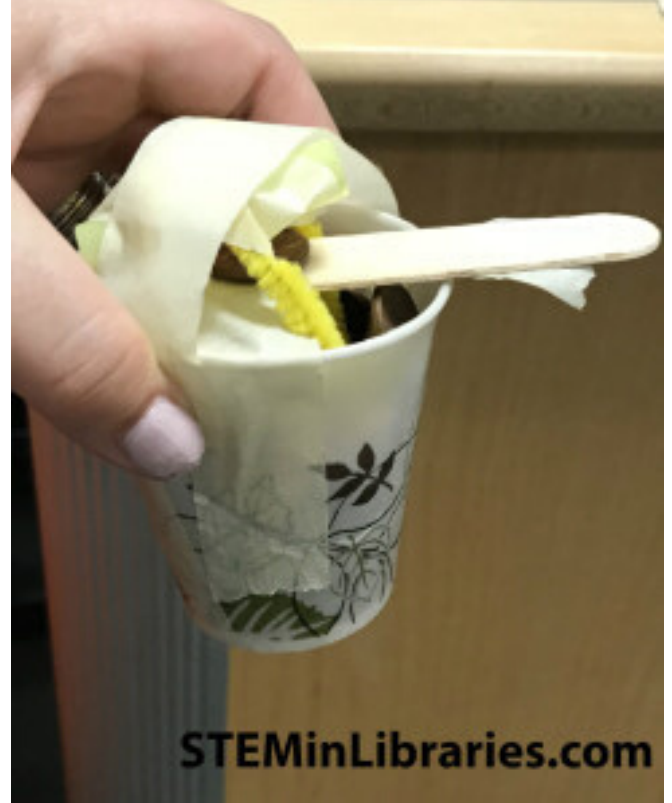
- Heavy duty string, twine, or rope
- Tape
- Scissors
- A variety of plastic disposal cups of different sizes
- Things that fit in the cups, such as small toys, straws, coins, cupcake liners, popsicle sticks, sponges, dish scrubbers

2. Learn about Zip Lines

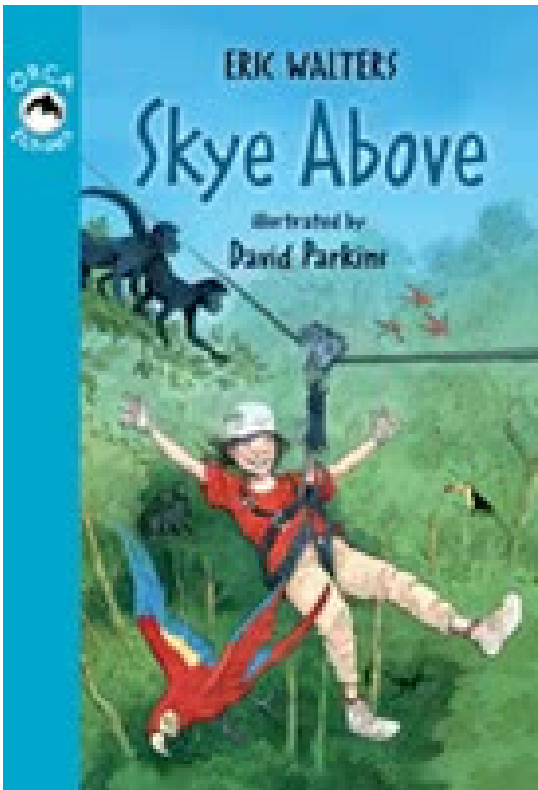
- Watch this video to learn about the science of zip lines :
https://www.youtube.com/watch?v=_VH8aWihxCA
- You can learn even more here:
<https://adventure.howstuffworks.com/zip-line.html>

3. Build your Zip Lines!

- Cut long pieces of your string. Anchor one end of each string to the floor. Anchor the other ends to furniture of different heights, such as seats, tables, chair backs, and dressers. Make sure the strings are taut.
- Fill the cups with items of different size and shape.
- Tape loops of string to the cups, hang them on your zip lines, and watch them zip!
- Compare which cups zip the fastest on which lines.
- Adjust your zip lines and cups to see which is the slowest and fastest. Have fun!



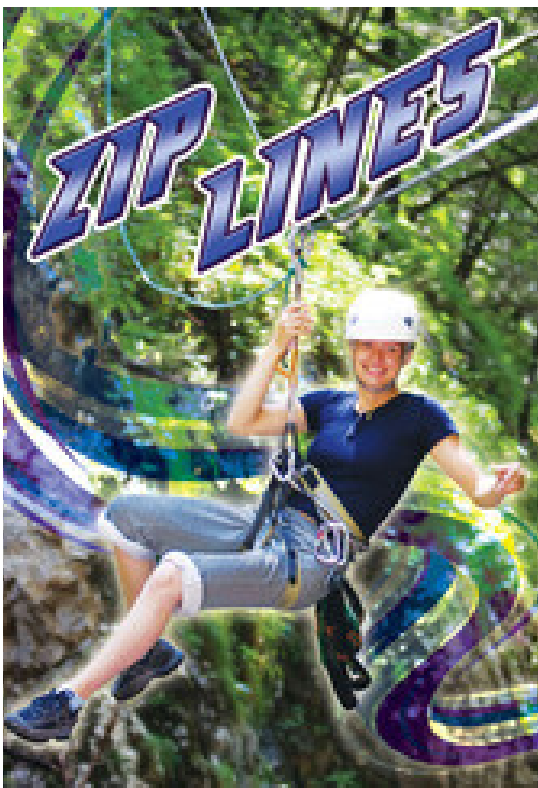
You can read more about zip lines with these ebooks, available for free through Mars Area Public Library:



***Skye Above* by Eric Walters**

<https://www.tumblebooklibrary.com/Home.aspx?categoryID=77>

Search by the title, *Skye Above*



***Zip Lines* by Kelli Hicks**

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