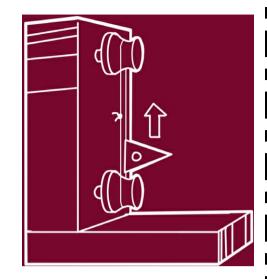
RAISE THE FLAG

Since the pulley system on a flagpole is one we see in everyday life, let's start there. This challenge will use only one, fixed pulley. But don't worry, the challenges will get more complicated!

The Challenged Identified: Create a contraption of at least three steps that raises a miniature flag on a miniature flagpole using either real or makeshift pulleys.

Contraption Hint: You don't need actual pulleys to make a contraption using pulleys. Many objects can serve as a grooved wheel that a string can pass over to create a fixed pulley. Don't forget that ancient peoples most likely used a makeshift pulley by throwing a rope or vine over a branch. How can you copy that in your contraption?



Brainstorm ideas and supplies: You'll need something for a base, something for the pole, rope or string, and something to act as a pulley. Then, decide what chain reaction you will use to raise your flag. And don't forget the flag, which can be made out of fabric or paper or many other materials!

Other things that could be used like a wheel	Other things that could be used like a rope

Draw a plan: Start by sketching out how you will make a flagpole and pulley system.

