

## Pully system by: Caitlyn



Me, Grace, Ava ~~we~~ made a pully system. We used pulleys, fishing wire, wire. We put the wire through the pulley to make a fixed point at the rail. We did the same with the bottle but attached the wire and pulley to the bottle. I threaded the fishing wire through the pulley at both ends, and pulled the fishing wire back through to pull the bottle up. The motion will help to pull it up.

Key Vocabulary

# Water Bottle



We had to pick a water bottle with the help of a pulley. We used fishing wire to help lift it. The more pulleys we would add, could reduce the weight and help us, because at first it would be quite heavy and we would need add alot of force but when we added more the weight was really light and easy to lift and we didn't have to use as much. We threaded the fishing wire through the hoop if we tried to lift it, it wouldn't fall.

## Key Vocabulary

force	weight		
Fishing wire	help	movement	
Fixed point	Upwards force	Motion	
		lift	



## Pulls by Sid and James and Perry



We used to pulley to try and lift thing to reduce the amount of weight. The pulley help us to lift things against Earth's force to do this we used fishing wire and a pulley to make a fixed point. I did a grab and pull motion to pull the bag up this movement made it easy to hold on to. The downwards pull was easier than the upwards force because we weren't fighting against it. We got to use 4 pulleys which was even easier than only 2 we used a heavy book bag for this experiment!

### Key Vocabulary

force ✓	pulley ✓	weight ✓	movement ✓
Fishing wire ✓	Reduce ✓	help ✓	Motion ✓
Fixed point ✓	Downwards pull ✓	Upwards force ✓	lift ✓