

# Force Identification Activity

# Force Photos

- Find a photo online of a **stationary** object (any!)
- **Sketch** the object
- **Identify the forces** acting on the object. **Add vectors** to your sketch to represent these
- Now create a new sketch where you **simplify** the sketch as much as possible, using **basic shapes**. Add the vectors to it again.
- Next, turn this into a free body diagram. This should be a **single point with the forces originating from it**

# Force Photos (Part 2)

- Find a photo of a **moving** object. Repeat the steps for this object.
- (Sketch, simplified sketch, free body diagram with single point)

# Force Photos (Part 3)

- Find a photo of two objects **interacting** in some way (through contact or a long range force)
- Repeat the steps for these objects
- (Sketch, simplified sketch, free body diagram with single point)