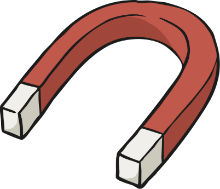
** Forces and Magnets: *Pushes and Pulls***

**What is a force?**

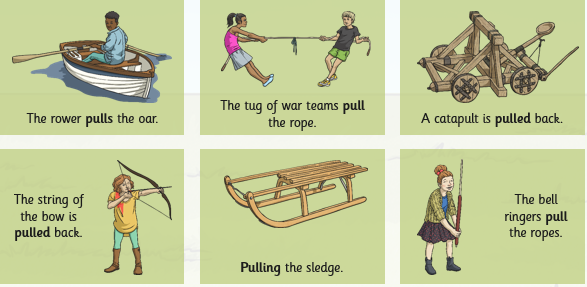
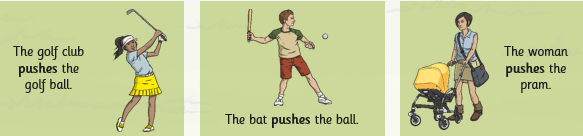
A force is a push or pull acting on an object as a result of the object's interaction with another object.

Forces can make objects stop or start moving.

*Have a look at this website. There is a fun video clip that explains what a force is and there is more information on the website:*

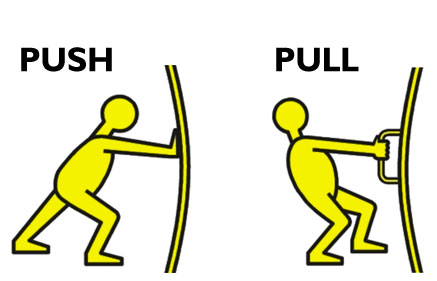
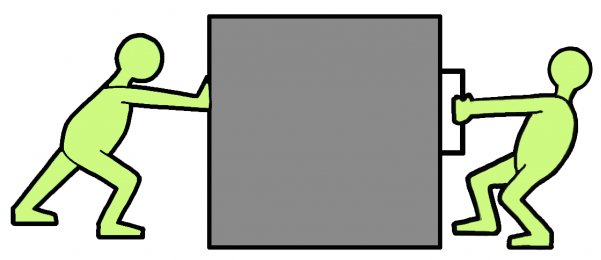
<https://www.bbc.co.uk/bitesize/topics/zvpp34j/articles/zywcrdm>

We use push and pull forces all of the time. For example when you walk through a door you either pull the door handle or push the door to open it!

Here are a few examples of when we use the two different forces.

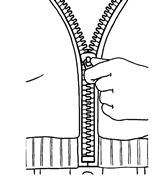
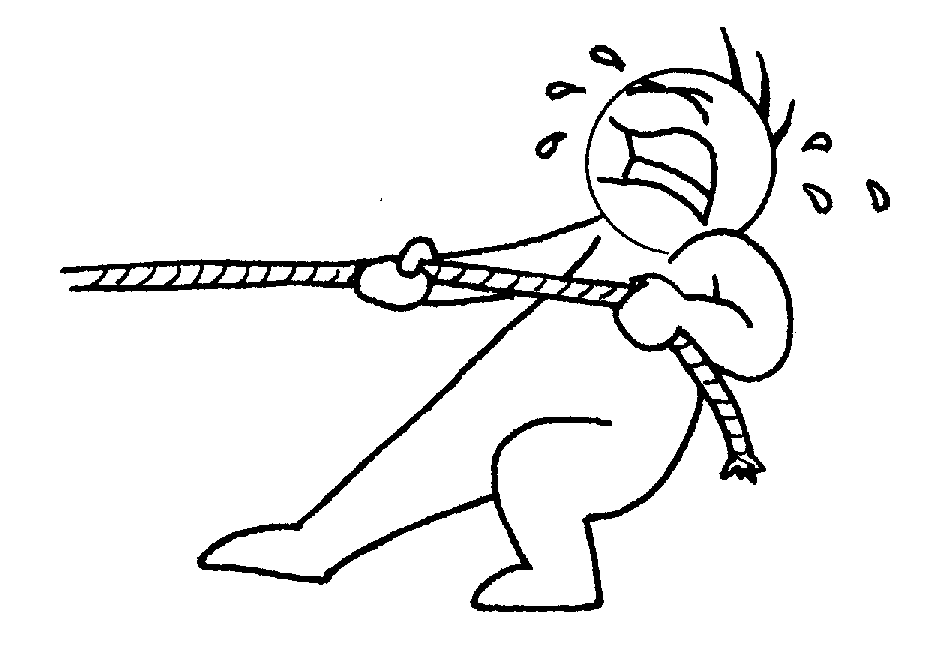
**Task 1:**

Can you create your own freeze frame of a pull and a push force? For example, you could pretend to be pushing a trolley for a push force. You could even take pictures of your freeze frames if you like!

[](https://www.google.co.uk/url?sa=i&url=https%3A%2F%2Fmelbourneurbanisation.weebly.com%2Fpush-and-pull-factors.html&psig=AOvVaw0KM4LUkF7puM7g0qFKI3m0&ust=1588323661807000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCMjXm4Llj-kCFQAAAAAdAAAAABAO)[](https://www.google.co.uk/url?sa=i&url=http%3A%2F%2Fthebrucezone.weebly.com%2F2-understanding-forces.html&psig=AOvVaw0KM4LUkF7puM7g0qFKI3m0&ust=1588323661807000&source=images&cd=vfe&ved=0CAIQjRxqFwoTCMjXm4Llj-kCFQAAAAAdAAAAABAE)

**Task 2:**

Cut out the pictures on the next page and sort them into ones that require a push force and ones that require a pull force.

[](https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjC7NT1w6nTAhVMbhQKHQhbC3kQjRwIBw&url=https://bodybalance4you.wordpress.com/2013/01/29/push-and-pull/&psig=AFQjCNF4Z2I3VoZa4ShCoUcDRLh-UN0bug&ust=1492451129981985)

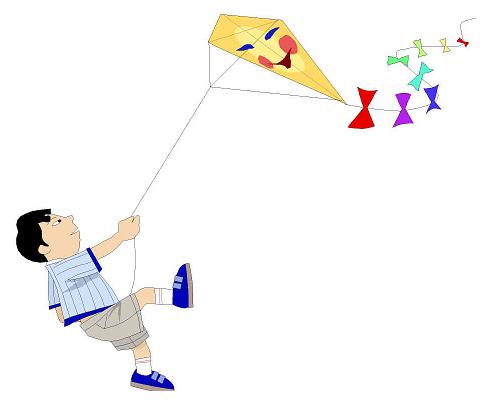
[](https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiE-Z2UyKnTAhUHXhQKHdieDf4QjRwIBw&url=http://junkhost.com/2016/06/she-puts-these-gauze-into-her-feet-when-she-takes-them-out-next-morning-unbelievable/&bvm=bv.152479541,d.ZGg&psig=AFQjCNHBSPX9pQjs-Iq8NOKdEWV9B0FTtQ&ust=1492452213275507)







[](https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiX3r2z8qvTAhWJ0RQKHV9JALcQjRwIBw&url=http://www.istockphoto.com/tr/photos/lift%2Bbutton&bvm=bv.152479541,d.ZGg&psig=AFQjCNHQNaBv4CoptJM37pCH42CcAEeJGA&ust=1492532322226993)

[](https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwiIq9Kj17jTAhULshQKHY_UDfUQjRwIBw&url=http://www.koolkidscrafts.com/kite-coloring-pages.html&psig=AFQjCNFu-l29NJzRPUrkktOJLKJlXweJNA&ust=1492971723275704)[](https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwit86OA86vTAhWG8RQKHXdpDdEQjRwIBw&url=http://putblog.com/playing-cricket-safely-and-with-confidence/&bvm=bv.152479541,d.ZGg&psig=AFQjCNET-rbnCffnr2Ii_Xgx5u-YEbvi2Q&ust=1492532500145968)[](https://www.google.co.uk/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjenIXb1rjTAhXD6xQKHfxSAC0QjRwIBw&url=http://www.pushpullsigns.com/pulldoorsign.html&psig=AFQjCNFdZZ_R_H_-iU4XxEX577cZGjpKug&ust=1492971573689714)