

Forces

Have you ever wondered why some surfaces are slippery while others aren't? Or perhaps you've wondered why it's easier to ride your bike on a road rather than on grass. The reason for both situations has to do with things called **forces**.

Forces affect how an object moves or does not move. In this book, you will learn about forces and how they can be applied to different objects. You will also learn how forces can be resisted and reduced. Finally, you will learn how you use forces and how important forces are to everyday life.



Forces are what make this skateboard move.

Forces at Work

A force is what makes things start moving, stop moving or change direction. A force can be a **push**, **twist** or **pull**. Each type of force moves objects in different directions. So when you think about forces, you will have a starting point and the force will move an object in a certain direction. The direction depends on what type of force is applied.



A force makes things start moving, stop moving or change direction.