

# **Year 5 Science Investigation**

## **Forces**

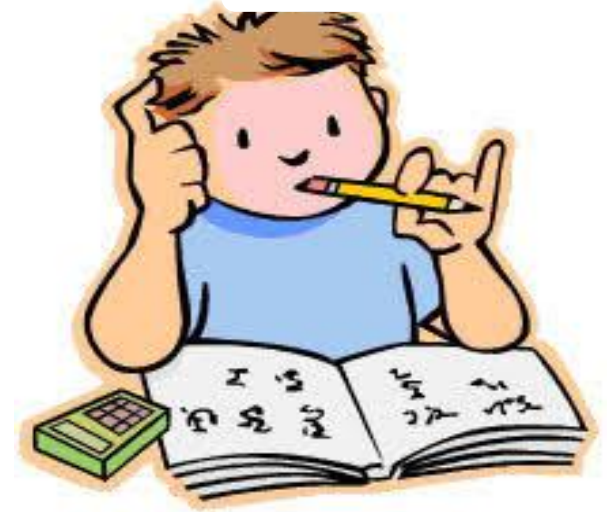
**Which surface has the least amount of friction**



# Equipment Required



- String
- Bricks
- Force Meter



# Which surface has the least amount of friction?

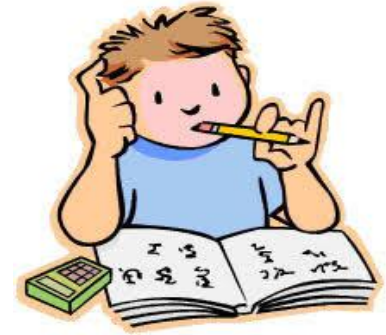
What we want to find out-

Friction is a force between two surfaces and can slow things down. We want to find out if different surfaces have different amounts of friction.



Try to think how we can find out.

Talk with your friends and see if you can come up with an idea.



Your ideas.

Tell the rest of the class your idea for your investigation and decide who in the class has the best idea.

# Which surface has the least amount of friction?



**Make a prediction**



**I think the surface that will have the most amount of friction will be**

# Which surface has the least amount of friction?

---

- Tie some string around a brick and place it on a surface such as the classroom floor or playground.
- Use a force meter to see how much force is needed to move the brick.
- Repeat the investigation on different surfaces.



**Which surface has  
the least amount of  
friction?**

**Is it okay to do the test just once  
on each surface?**



# Which surface has the least amount of friction?

**What Now?**

**Try to find out how to reduce the effect of friction by using different types of liquid.**

