

***Hello Year 3s and Year 4s***

***Here are some science projects for you to explore over the next few weeks.***

***Mrs Bridge.***

## **Y3/4 Magnets and Forces**

### **Magnet Project 1**

What are attracted to magnets? Make a list of items that are attracted to magnets and those that are not. What type of materials are attracted to magnets?

### **Magnet Project 2**

Can you make a game which uses a magnet e.g. a fishing game (put a magnet on the end of a fishing rod and line and collect paper fish which have a metal paper clip on them) or make a maze or road system.

### **Forces Project 1**

Roll a ball or wheeled toy (e.g. car) on different floor surfaces e.g. tile, wood, carpet, concrete etc... Which is the surface has the least friction, which has the most? Find out about friction and what it is.

### **Forces Project 2**

Design some special shoes e.g. spiderman shoes – shoes that will stick to walls and ceilings (lots of friction) or shoes for skating on ice (shoes with very little friction). Which materials will be the best?