

## East Bridgford, St. Peter's C of E Academy – Homework

**Teacher: Mrs Archer Dytch**

**Subject: Science -  
Forces**

**Date: 9.1.26**

Happy New Year to you all.

I hope everyone has had a wonderful Christmas and Santa found your chimneys! I would like to thank you again for the lovely Presents I have received - I have personally thanked the children.

We have already started two new topics this week. In science we are learning about forces and magnets (see homework). In geography we have started our topic about 'What's beneath our feet? We will be exploring rocks, volcanoes, earthquakes and tsunamis.

In Maths Year 4 are on the second unit on Multiplication and Division. This week we have looked at multiplication factors and multiplying by ten. The unit covers Divide by 100, Related facts - multiplication and division, Informal written methods for multiplication, Multiply a 2-digit number by a 1-digit number, Multiply a 3-digit number by a 1-digit number, Divide a 2-digit number by a 1-digit number Divide a 2-digit number by a 1-digit number (2), Divide a 3-digit number by a 1-digit number, Correspondence problems. Year 3 are also working on multiplication and division, soon moving on to Multiples of 10, Related calculations, Reasoning about multiplication Multiply a 2-digit number by a 1-digit number - no exchange, Multiply a 2-digit number by a 1-digit number - with exchange, Link multiplication and division Divide a 2-digit number by a 1-digit number - no exchange, Divide a 2-digit number by a 1-digit number - flexible partitioning and Divide a 2-digit number by a 1-digit number - with remainders

**Homework: Friction hunt at home**

*This homework is exploratory as we have not yet covered the work on friction. The children know that they are exploring things that slip and slide easily and things with move friction move less easily.*

Find three things where friction is helpful and three where it is not.  
For example shoes on the floor versus socks on laminate.  
Record what happens and why they think it happens in a few sentences.

### **2. Slide test challenge**

Using a toy car, book or coin, children test how far it slides across different surfaces at home like carpet, table, towel or magazine.

Measure using hand spans or ruler lengths and note which surface creates the most friction.

Kind Regards  
Mrs Archer Dytch

**To be returned by: 16.1.26**