TRAFALGAR INFANT SCHOOL

Y2 - Curriculum Information (Autumn 2)

Science: Materials and Electricity

Our topic this half term is Materials and Electricity.
Materials: We will be learning about a variety of different materials (including wood, metal, plastic, glass, brick, rock, paper and cardboard), their properties and comparing their suitability for particular uses. We will be learning how some materials can be changed (reversible and irreversible changes).

Electricity: We will be developing the children's knowledge of how electricity works and distinguishing between battery and mains electricity.
We will focus on:

- everyday appliances that use electricity
- that electricity can be dangerous and appliances must be used safely
- looking at simple series circuits involving batteries, wires, bulbs, and building a circuit to light a lighthouse
- working out how a switch can be used to break a circuit and using buzzers and simple motors in circuits.

Literacy

We will be focusing our writing around the text 'The Lighthouse Keeper's Lunch' and lighthouses in general. Activities will include:

- Sequencing and setting out simple and more complex instructions.
- Re-telling a story from different point of views.
- Generating descriptive language to write poetry and accounts based on the theme of lighthouses and stormy weather.

Please continue to hear your child read daily and practise their spelling homework for our weekly test on a Monday.

Mathematics

This half term we will be introducing the early concepts of multiplication and division through practical activities, and by teaching strategies of multiple addition and grouping.

Multiplication
3 groups of 2 = 6
2+2+2= 6
3x2=6

Division
Divide 16 sweets between 4 children(How many groups of 4 can you make out of 16)
16÷4=4

Please feel free to borrow the maths games in the corridor by the hall. Math homework will be shared via J2E every Friday.

Other Curriculum Areas

- **Geography** – learning about sources of electrical power including clean alternatives e.g. wind power, solar power, wave power.
- **History** – finding out about the work of Charles Macintosh and thinking about the properties of materials.
- **Computing** – creating an animated lighthouse scene using *Jit* animation software
- **RE** – learning about Autumn/Winter religious festivals, eg. Divali and Christmas.
- **PE** – practising gym skills using large apparatus. Dancing based on the theme of machines
- **Music -** Continuing with pitch and rhythm development. Practising our Christmas production.
- **Art** – Making paper sculpture fireworks. Close observational drawings of electrical appliances. Christmas themed art work.
- **PHSE** – circle time activities on the theme of friendships and relationships, what makes us and other people special.

What you can do to help: Talk to your child about the properties of materials, uses of electricity in the home and being aware of the dangers of the improper use of electrical appliances. The children would also benefit from any parent with specific expertise in electricity and who would be willing to come in to school and talk to the children. If you are able to do this, please let your class teacher know. Encourage your chid to access the e-school and explore the many resources available.