

Elliotts Hill, Brixton, Plymouth, PL8 2AG

Tel: 01752 880436 Fax: 01752 882323

Head of School: Mrs Claire Webb

E-mail: admin@stmarys-brixton.devon.sch.uk

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Dear Parents and Carers,

Welcome back to the Spring Term at Brixton St Mary's, I hope you have enjoyed a restful Christmas break. I would like to take this opportunity to inform you that PE will still be on a Wednesday afternoon this year and it is important that kits are in school from Monday morning and that all items of clothing: PE kit, coats and school uniform, are named to avoid any lost belongings.

Our topic this term focuses on Fairgrounds and forces. In this topic, we will explore how it is possible that fairground rides can speed up and slow down at just the right moments, whilst staying on a track that twists upside down. We will use our science lessons to learn more about the science behind energy, forces, sound and light.

In Science, we'll know:

- How to represent electrical circuits in drawings using conventional symbols
- How to construct circuits on the basis of drawings using conventional symbols
- How to vary an electrical circuit to change its effect
- About the nature and effect of gravitational force
- About the effects of physical forces
- How to measure forces
- How to identify the direction of forces
- That light travels in a straight line until it strikes an object
- That light can be reflected, refracted or absorbed
- That light travels through some materials and not through others
- That we see things when light from them enters our eyes
- How sounds are changed by altering the nature and frequency of the vibrations
- That vibrations from sound sources travel through a medium to reach the ear
- How to identify the effects and uses of light and sound

In Technology, we'll know:

- That technology affects people's lives
- How to consider the needs of users when designing and making
- How to select the most appropriate materials and tools available for a task
- How technology can be used to meet needs, wants and opportunities

If you can, please discuss with your child the work they have done as the term progresses and let them teach you. If you have the chance to further their interest in the ideas of this theme please take it, but your enthusiasm and interest are most important. If you have any questions about your child's learning or you feel you could contribute to this topic in any way, please get in touch.

Kind regards,

Miss C Kinning

