

Literacy

- To write a persuasive speech
- To include powerful vocabulary in my writing.
- To assess the effectiveness of my writing.
- Gain, maintain and monitor the interest of the listener(s).
- Participate in discussions, presentations, performances, role play, improvisations and debates

ICT

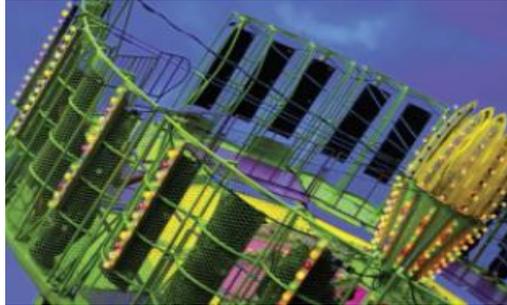
- Prepare and present information in a range of forms, using ICT safely and responsibly
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Science

- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.
- Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
- Identify the effects of air resistance, water resistance and friction that act between moving surfaces.

Mathematics

- To find equivalent fractions
- To convert improper fractions to mixed numbers
- To convert mixed number4s to improper fractions
- To compare and order fractions less than one.
- To compare and order fractions more than one.
- To add and subtract fractions
- To add mixed numbers
- Add 3 or more fractions
- To subtract fractions
- Tpo subtract mixed numbers.



Scream Machine Year 5 Spring Term

PE

- Vary dynamics of a movement or dance, developing actions in time to music, with a partner or as part of a group.

Art/ DT

- Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.
- Understand and use mechanical systems in their products (e.g. gears, pulleys, cams, levers and linkages).

This planner provides you with information regarding the theme your child will be learning about over the next few weeks. If you have any ideas or skills that could support our topic or have any questions about this term's learning, please speak to your child's classteacher.

Year 5 ongoing weekly homework expectations:

Daily reading

Spelling

One piece of either maths, English, science or topic work to be completed in a home learning book.

Home learning book:

This will come home every **Friday** with one piece of homework based on the learning in school that week. This needs to be completed and handed in by **Thursday**.

More ways to support at home:

Many parents ask us for more home learning opportunities. Here are some ideas to help support your child's learning. These are not a homework requirement but if you do choose to complete some of the suggestions please do send them in to school. They will be an invaluable resource to support our learning.

Research the history of fairground rides, and create a PowerPoint presentation that includes information, timelines, pictures, film and sound clips.

- Make a flipbook animation of a roller coaster ride that includes a loop the loop.
- Research online to find information about roller coasters from around the world. Which is the oldest? The longest? The scariest? Record your results in a table.
- Use the web to investigate mathematical data about a range of different theme park rides. Find information such as the ride's length, g-force, type and height. Use your data to create spreadsheets or charts, then interpret and find relationships and patterns.
- Explore your home and the surrounding area to look for machines, toys and other objects that use cams, gears, levers and pulleys. Take photos and create a montage of all the different mechanisms found.
- Make a loop the loop using flexible track. Modify the track until a marble or toy car can successfully make it round the loop. Challenge other family members to get the marble or car to fly off the end and land in a pot by changing the trajectory.

