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Start Date: 2nd June 2025
Finish Date: 28th July 2025

SMSC -
Social : Co-operation, group work
Moral : Investigating and discussing moral issues and consequences of actions
Spiritual : Awe & Wonder - natural light sources and the effects of light & shadows
Cultural : Understanding our cultural heritage and respecting our cultural diversity



Light & Shadows

Hook:
Children will read the story 'The Iron Man' by Ted Hughes. They will design and make their own robot sculptures.

Rationale:
The children will be given opportunities to find out about the many different sources of light, the importance of the sun and the relationship between the sun, the moon and Earth. They will investigate the seasons, why shadows change throughout the day and the everyday effects of light. They will examine the features of the story 'The Iron Man' and use the ideas to support their writing.

Outcome:
Children will write both a non-chronological report about a character from the Iron Man by Ted Hughes and an alternative chapter about the Iron Man as a narrative piece of writing.
Children will be able to explain about light and shadows.

Focus Area: *Science – Physical Processes : Light & Shadows*



Pupils will learn about natural and man-made sources of light, recognizing that the sun is the main light source. They will explore the relationship between light, an object and the formation of shadows and will use scientific vocabulary to explain their investigations about how much light is blocked by different materials. They will begin to explain why shadows change and why the Sun appears to move across the sky during the course of the day – with reference to the rotation of the Earth. They will begin to recognise that it is daylight in the part of the Earth facing the Sun, that the movement of the Earth creates night & day and the seasons and that the Moon orbits the Earth. Children will be taught to recognise the hazards and risks in looking at the Sun.

Supporting Focus Area: *English – The Iron Man*

Children will read the Story 'The Iron Man' by Ted Hughes. They will create a non-chronological report and write an alternative chapter about The Iron Man.

Supporting Focus Area: *Art – Steampunk Kitbash Robot Sculptures*

Children will research, design & make their own robot sculptures using found and recycled objects and use skills and techniques to cut and join materials.
Pupils will explore and develop ideas by examining examples by other artists.

Discrete Teaching Programmes (DTPs):
Maths - Daily lessons
P.E. – Athletics, Tag Rugby
Computing – Digital Music & Infographics

PSHE – Growing & Changing / Keeping Safe
French - Animals
Science – Forces & Magnets

Family Homework Tasks:
Design and make your own vehicle that creates the minimum amount of friction to take part in a class competition to see which will travel the furthest from a fixed point. **21st July 2025**

