

Year group: Year 3

Term: Autumn 1

Project title: Can we fix the Iron Man?

Project and Exhibition: Creating an Ironman

Project synopsis:

To explore magnetism, forces and electricity and using the knowledge we gain to create our own Iron Man.

Communicating learning:

Inter-Year Group Lab - teaching other pupils about experiments with exciting outcomes.

Project outcomes:

The project will involve children working scientifically and using these skills to incorporate them into their creative design work.

Curriculum opportunities:

English: Iron Man

Maths: We will be looking at 'Number' in a lot of detail and understanding the size of numbers. We will be linking this with our work on planets when we look at their distance from the sun and their size in relation to things that we understand and can comprehend.

Science: Magnetism and Forces - we will be looking at the properties of magnets and how they attract and repel; how they are used in compasses and their link to forces. Electricity (sub-topic) - we will be investigating electricity by finding out how to make basic circuits, exploring properties of materials and safety. This will include how to be energy efficient.

Creative arts and STEM: We will be creating our very own 3D version of an Iron Man with a twist and incorporating our learning from the Science topic to give the Iron Man exciting features.

Outdoor Learning: Forest School will involve investigating Autumn colour through natural art and making shelters.

Engagement Activity:

Experiments and discovery learning.

Key Vocab:

- attract
- repel
- force
- current
- energy
- pole
- circuit

How you can help:

Provide junk modelling stuff and talk to children about magnets around the home. Challenge yourselves to become more energy efficient.