

In **Science**: The children will train to become scientists by:

- Learning about magnetism
- Learning about attraction and repulsion
- Experimenting with forces acting from a distance
- Experimenting with forces acting through materials
- Sorting materials into magnetic and not magnetic
- Taking part in practical experiments

In **Design and Technology**: The children will become designers and engineers by:

- Researching current robots on the market
- Designing a robot fit a design brief
- Make a robot with a pneumatic mechanism
- Finishing their product using paint
- Evaluating their products

Key information:

Please see home learning poster attached.
Home learning for this project is due:

Monday 15th December 2025

Our outcome is on Wednesday 10th Dec

at 2:35. Please come to the Year 3 gate.

Year 3 Autumn Term 2 2025

The Iron Giant

How far had he walked? Nobody knows. Where had he come from? Nobody knows. How was he made? Nobody knows. The Iron Man is in pieces. How can we fix him? How did he break? Piecing together the parts of the story, build a clear picture of the character, the events that happen and how those feel around him. Understanding the science behind the Iron Giant will enable the children to design and make their very own magnetic robots.

In English:

In Reading, the children will be reading The Iron Man by Ted Hughes. We will also be looking at a range of non-fiction texts linking with our science learning.

In Writing, the children will be inspired by the Iron Man text to write their own versions of the story. This will involve inventing their own giants and using grammatical features such as fronted adverbials, conjunctions and speech. Following this the children will use their scientific knowledge to write non-chronological reports about robots and machines.

Project Vocabulary

Please ensure your child learns these to encourage them to use them correctly in school.

magnet

magnetism

attract

repel

north/south pole

metal

fair test

design

research

evaluate

product

saw

cut

sand

finish

