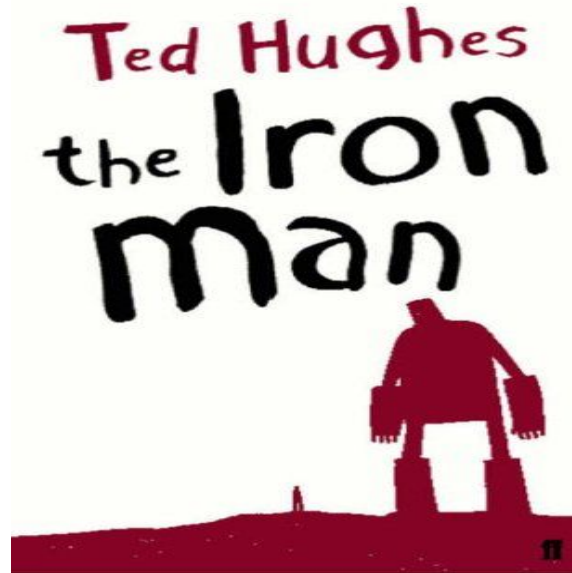




Be all you can be
Hayes School

Year 3 Curriculum Plan: Summer 2 2023

Big question: Was Iron Man a Hero or a Villain?



Responsibility Success Aspirations Resilience Discovery **Friendship**



At Hayes, we strive for our children to push beyond any perceived idea of potential, to be all they can be, regardless of background in order that they leave us as good human beings - happy, kind and responsible. Our curriculum is integral in shaping the children to become independent and life-long learners. At Hayes, we also aim to equip our children with the ability to 'think' in order to make sense of an ever-changing world. Our curriculum has been designed, with thinking at its heart, to achieve our ultimate vision: all children will live fulfilling and happy lives, being all they can be.

Learning Experience

Context and Outcome

By the end of this Learning Experience, children will have investigated, analysed and evaluated familiar objects that use air to make them work e.g. bicycle pump, balloon, inflatable swimming aids, foot pump for inflating an air bed. Throughout they will answer questions like: *What does the air do? How has it been used in the design of these products? How can air be used to move heavy objects? By using knowledge learnt and retrieved throughout the sessions. the children will use a balloon and other resources to create their own pneumatic system in the style of the Iron Man's head.*

As well as this, through science the children will learn that a force is something that can make an object, slow down, speed up, change shape or change direction. Forces always act in a particular direction, so when you talk about a force, you should represent it by an arrow. Pushing and pulling are forces acting in opposite directions.

Magnetism is an invisible force that acts between two materials that do not have to be in direct contact. You cannot see magnetism, but you can feel its effects with two bar magnets if you move them together. Each magnet has two ends, which are referred to as **poles**. Depending on which way round you place the magnets, the magnetic force between them either pushes them apart (**repels**) or pulls them together (**attracts**).

Curriculum questions

Big question:

How will I use pneumatics to create a moving 'robot's' head?

Design and Technology Key Questions:

- Who will I be designing and making my robot head for?
 - How will it fit into the box?
 - How will it move?
 - Which parts will move?
- Which pneumatic system will work most effectively?
 - What materials will I need?
 - How long will it take?
 - What order will I work in?
 - What tools and techniques will I use?
- How will I finish it so that it looks attractive?

Key Vocabulary

Vocabulary	
Tier 1	<u>Snag</u>- a sharp, angular, or jagged projection <u>Immense</u>- extremely large or great, especially in scale or degree <u>Astronomer</u>- an expert in or student of astronomy. <u>twilight</u>- the soft glowing light from the sky when the sun is below the horizon <u>Evaluate</u>- form an idea of the amount, number, or value of; assess. <u>Purpose</u> - the reason for which something is done or created or for which something exists <u>Function</u>- an activity that is natural to or the purpose of a person or thing
Tier 2	<u>Scrap metal</u>- the combination of waste metal, metallic material and any product that contains metal that is capable of being recycled <u>Movement</u>- an act of moving. <u>Process</u>- a series of actions or steps taken in order to achieve a particular end <u>Innovative</u>- introducing new ideas; original and creative in thinking <u>Torso</u>- the trunk of the human body.
Tier 3	<u>Oscillating</u>- move or swing back and forth in a regular rhythm. <u>Pneumatic system</u>- a collection of interconnected components using compressed air to do work for automated equipment. <u>inflate</u> - fill (a balloon, tyre, or other expandable structure) with air or gas so that it becomes distended. <u>Deflate</u>- let air or gas out of (a tyre, balloon, or similar object). <u>Compression</u>- the reduction in volume (causing an increase in pressure) of the fuel mixture in an internal combustion engine before ignition.





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Year 3: Summer 2 2023

ENGLISH

- Driver Text: The Iron Man by Ted Hughes.
- Reading: Whole Class reading takes place daily including fluency, retrieval and inference based around a variety of texts and images.
- Read, write, Inc will continue for a smaller group of children who need to secure their phonics and fluency.
- Writing Opportunities: The children will write a diary entry from the viewpoint of a character from the book, write a creative story using images as inspirations and write a free verse poem.
- Spelling focus will include words using suffixes and prefixes.
- Handwriting: joined, legible and cursive handwriting.

MATHS: Time, shape, statistics.

In maths, the children will be focusing on:

- **Time** - Year 3 will continue to tell the time to one minute and show an understanding of durations of time.
- **Shape** - The children will be able to recognise, reinforce their knowledge of and describe 2D and 3D shapes. The children will also identify and compare angles.
- **Statistics** - Year 3 will Interpret pictograms, draw pictograms and interpret bar charts. Using skills learnt in science lessons the children will revise how to draw bar charts and collect and represent data. We will also look at how to read two-way tables.

Maths - models and images

Telling the time

9 o'clock in the morning



19:15

Half past 3 in the afternoon



09:00

Quarter past 7 in the evening



15:30

TV Programme	Start Time	Finish Time	Duration
Pals	06:30	07:30	
Dennis the explorer	15:15	18:15	
The football show	12:00	14:00	
An adventure	10:40	12:40	

Shapes and angles

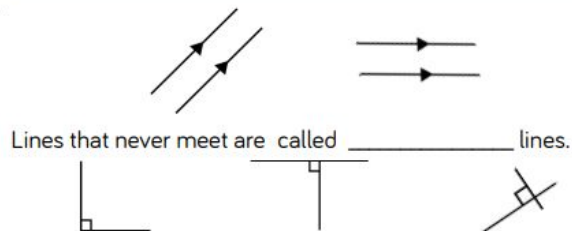


This shape is a _____.

It has _____ faces.

It has _____ edges.

It has _____ vertices.

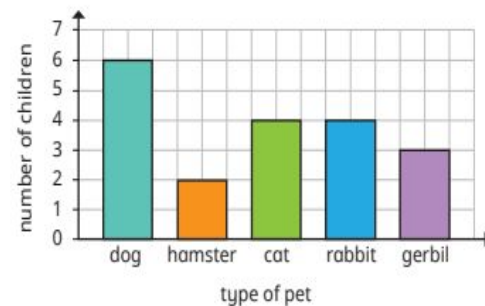


Lines that never meet are called _____ lines.

Straight lines that meet at a right angle are called _____ lines.

Statistics

Here is a bar chart that shows the number of children who have different pets.



	Year 3	Year 4
Strawberry	17	12
Chocolate	10	15



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Year 3: Summer 2 2023

Driver Subject: Design and Technology
-Pneumatic systems

- Key question: What does air do?
- Key question: What happens to air when you squeeze a bottle?
- Key question: How can objects be lifted in real life?
- Key questions: Can you inflate and deflate a balloon?
- Key question: Can you make an object move using a pneumatic system?

Secondary Driver Subject: Science -
Magnets and forces.

- Key question: How do Forces make an object start moving, stop moving, change shape or change direction?
- Key question: Do Forces always require contact between two objects?
- Key question: How do magnets attract or repel each other?
- Key question: Why do magnets attract some materials and not others?
- Key question: What are the 'ends' of magnets called?
- Key question: How do the poles of two magnets behave towards each other?



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Year 3: Summer 1 2023

COMPUTING:

In computing, the children will learn how to present their knowledge of Forces and Pneumatics through Google Slides. We will also learn how to send a simple email safely.

Throughout the half term the children will also continually reflect upon the importance of staying safe online through E-Safety lessons.



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Year 3: Summer 2 2023

R.E

The children will follow the planning from the Devon Syllabus – What was the impact of Pentacost? They will explore the Christian festival celebrating the descent of the Holy Spirit on the disciples of Jesus after his Ascension to Heaven.

PE

In PE with half term, pupils will develop their communication and problem-solving skills. They will work individually, in pairs and in small groups. Throughout, there will be an emphasis on teamwork. We will continue to apply and develop a broader range of skills, learning how to use them in different ways and to link them to make actions and sequences of movement through strike and field activities.

PSHE/SRE

During their PSHE sessions, the children will learn different about diseases and how vaccinations and drugs can help prevent the spread of diseases. They will also learn the proper names of our body parts, what it meant by private parts and how to keep our bodies safe, including sun safety.

MFL (French)

Through the use of Language Angels, the children will be learning about Ancient Britain.

Music

This half term, Y3 will finish composing their own samba using percussion instruments. Initially, this will be in small groups but the ultimate aim is to have one big, class ensemble samba. The children will also learn how to read notation composed of crotchets (1 beat) and paired quavers (½ beat per quaver) on a musical stave using the notes C, D, E. They will play these melodies on either a xylophone or marimba.