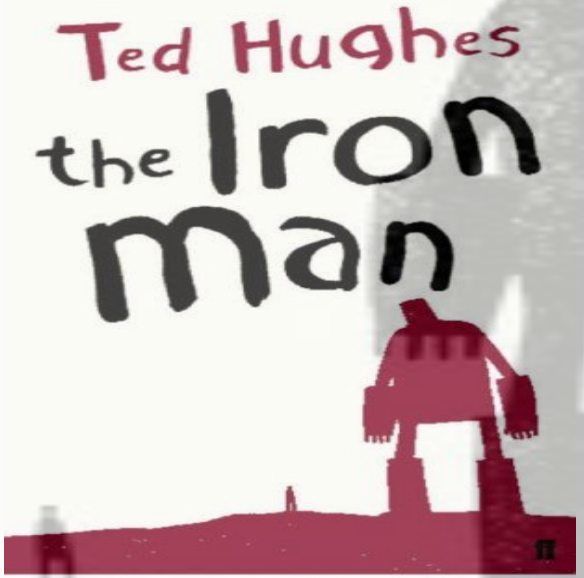
Be all you can be

Hayes School

Year 3 Curriculum Plan: Summer 2 2022

Was Iron Man a Hero or a Villain?



Responsibility Success Aspirations Resilience Discovery **Friendship**

Be all you can be

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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**).

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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 style 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, mass and capacity.

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 -** They will be able to recognise and describe 2D and 3D shapes and identify and compare angles.
- **Mass and capacity** - They Year 3 children will learn to measure, compare add and subtract mass and capacity.

Curriculum questions

Big question:

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

Design and Technology Key Questions:

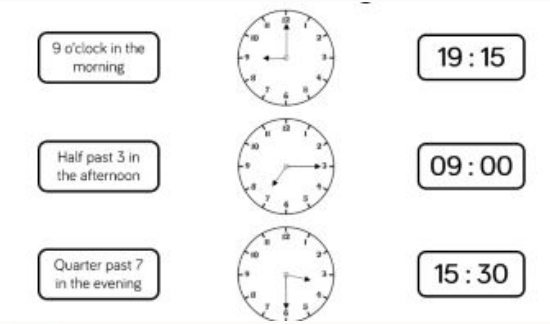
- **Who will I be designing and making my robot head for?**
- **How will it fit into the box?**
- **How will it move?**
- **Which parts will move?**
- **Which pneumatic system will work most effectively?**
- **What materials will I need?**
- **How long will it take?**
- **What order will I work in?**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

Key vocabulary

Vocab Dozen	
Astronomer	A Scientist who studies the stars, planets and other natural objects in space.
brink	The extreme edge of land before a steep slope or a body of water
harmony	the combination of simultaneously sounded musical notes to produce a pleasing effect
hush	A silence
petroleum	a dark, thick oil obtained from under the ground, from which various substances, including petrol, are produced.
Scrap metal	Discarded waste metal suitable for reprocessing.
torso	Main part of the human body (middle)
swayed	To move slowly back and forth
snag	To catch by quick action
immense	Very great in size or amount
twilight	A period of time when something is ending e.g. day ending and becoming night or night ending and turning into daylight.
stupendous	So large it amazes

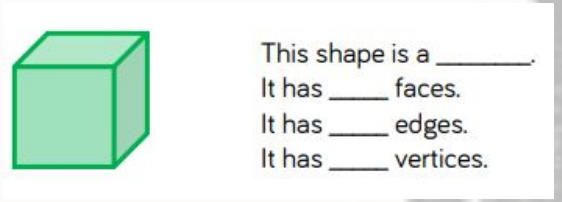
Maths - models and images

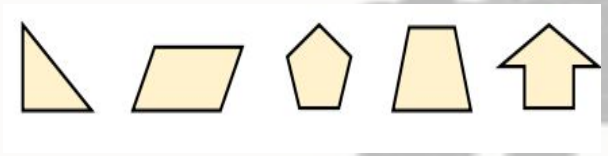
Telling the time

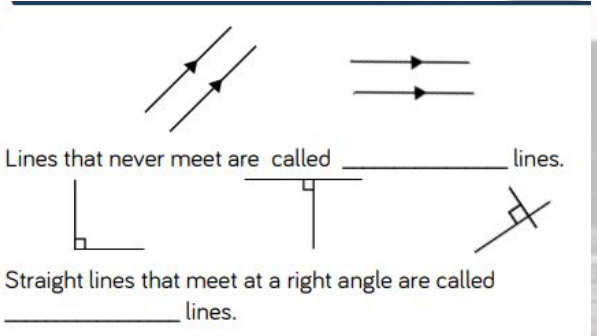


TV Programme	Start Time	Finish Time	Duration
Pals	06:30	07:30	
Dennis the explorer	15:15	18:15	
The football show	12:00	14:00	
An adventure	10:40	12:40	

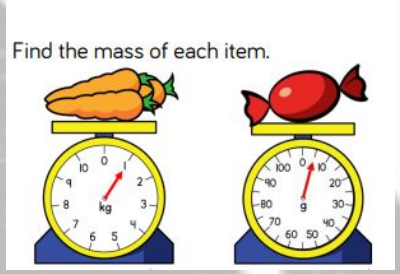
Shapes and angles

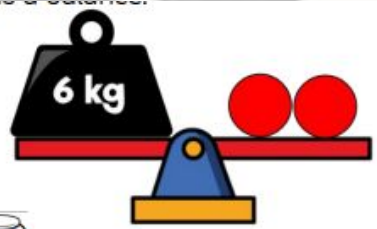


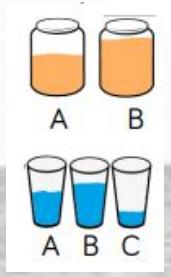




Mass and capacity







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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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COMPUTING:

In computing, the children will learn how to present their knowledge of Forces and Pneumatics through Google Slides

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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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 the children will enjoy revising their skills from their PE lessons through PE@Playtime.
Year 3 will participate in Athletics lessons. This will include Sports Day as part of Healthy week in July.

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 or 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 how to say the names of different fruits. .

Music

This half term, the children will 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 . The children will also continue to learn 'In the Jungle' on the Xylophone and Marimba. Y3 will also have a weekly singing assembly.