

Woodthorpe Primary School

Executive Headteacher: James McGann
Head of School: Charlotte Grason-Taylor
Chair of Governors: Sheriden Hutchinson-Jones

Our school is a happy, exciting and caring community in which each child thrives.

Year group:	5	Term:	Summer 1
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Our term ahead:

Our topics for writing this half term include a narrative about oceans, linking to our spring term Geography topic. We will also be writing an historical newspaper article based on the Tudors in York. We will use our knowledge of the Ancient Greeks to write an exciting narrative and our recent R.E. knowledge will inform a diary entry from the perspective of a Jewish person. We will continue to practise our spelling, punctuation and grammar (SPAG) skills in standalone lessons as well as handwriting practice. In Guided Reading, we will read Philip Pullman's *Clockwork*. In the story, apprentice clock-maker Karl must craft a new figure for the great clock in town - but he is exceedingly short on inspiration. When a mysterious little clockwork character appears from nowhere, Karl seems to have found the answer to his prayers. In fact he is in for a terrible shock. An intriguing and magical fantasy that will captivate the children. Non-fiction texts will reflect our wider curriculum learning. We will improve our retrieval, inference, prediction and summarising skills as well as building a fantastic bank of vocabulary to use in our own writing.

In maths, we will be continuing our topic on shape, learning about angles and degrees, before moving onto our new topic based on position and direction. In this unit, we will learn about plotting coordinates, translation, lines of symmetry and identifying horizontal and vertical lines. Finally, we will learn more about decimals and recap some of our learning from earlier on in the year.

In **History**, we will learn all about the history of the banknote and the selection process and criteria set by the Bank of England in their designs. This is our transition topic to prepare us for Year 6 History too! In **Science**, we have an exciting new topic looking at forces. We will explore gravity, air resistance, water resistance, friction and levers, pulleys and gears! This term's music topic explores composition to represent the festival of colour (Theme: Holi festival). In **D.T.**, we will be learning a range of mechanical systems and using these to design and create our own pop-up book. Our **R.E.** topic this half term addresses the question: Who should be in charge? We will explore religious laws and leaders and learn about who can become a leader.

If you have any queries or would like to speak to us about your child's learning, we are available at the end of the day. Please catch us on the door or email the office to arrange a phone call - we are happy to help! Many thanks for your support, *Miss Lee-Phillips and Miss Baker.*

Things to do at home:

We hope everyone enjoyed the Reading Challenge! Children must read at least 25 times within a half term and motivation at home will not only boost your child's vocabulary, accuracy and love of reading but it is a team effort towards winning the whole-school Reading Challenge! Please read at least three times per week for 5-10 minutes with your child and sign their Reading Record so they can be awarded a tick on the class Reading Chart.

Children can practise their weekly spellings on Spelling Shed at home in preparation for our spelling tests on a Friday. Regular practise on Times Tables Rockstars will boost confidence with problem solving in maths lessons.

Homework is set on a Friday and is due on the following Thursday (alternating between reading and maths). We recommend children try as much as they can with the focus being on spellings and Times Table Rockstars. Myminimaths.co.uk and mathsbot.com are also brilliant resources to support maths arithmetic practice. We recommend children try to complete as much as they can and, if they require extra guidance, speak to a member of the Year 5 team before the deadline.

Other information:

Year 5 have two PE sessions each week (Tuesday and Wednesday in Kites; Wednesday and Thursday for Falcons) so please bring PE kits for these days. Children are expected to have a full PE kit (a white t-shirt with blue/black shorts, leggings or joggers) in school for these sessions along with appropriate footwear. For safety reasons, children are required to remove or cover earrings and to tie their hair back.



Knowledge mats

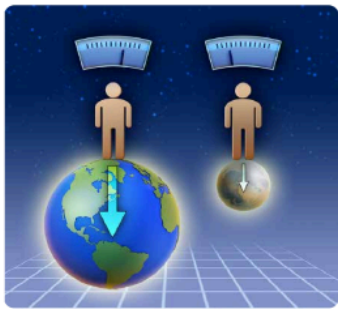
To help support learning and the retention of key knowledge, we will be embedding knowledge mats for each new unit of learning. The knowledge mats will be used to help children remember key facts, vocabulary and other important information. The knowledge mats for the first part of the Summer Term can be found below - if you have any questions, please do not hesitate to speak to your child's class teacher, or Mrs Grason-Taylor (Head of School).

Science

Science - Unbalanced forces



Gravity is a pulling force that acts between any two objects with mass. The greater the mass of the objects and the closer they are to each other, the stronger the gravitational pull between them.

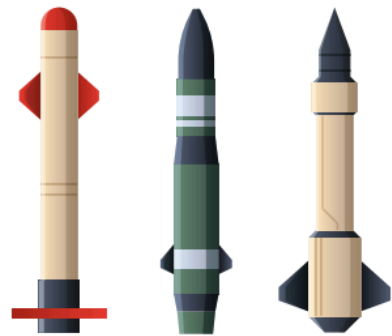


Friction is a contact force between two surfaces that opposes motion and causes a slowing effect. Rougher surfaces and more weight increase friction.

Air resistance, a type of friction, is the force that opposes an object moving through the air. The greater the object's surface area and the faster it moves, the greater the air resistance.



Streamlining involves designing objects to move through air or water more easily by making their shape smooth and sleek to reduce resistance from air or water.



Sir Isaac Newton (1643-1727) was an English scientist who discovered the laws of gravity.



Water resistance, a type of friction, is the force that opposes an object moving through water. The greater the object's surface area and the faster it moves, the greater the water resistance.



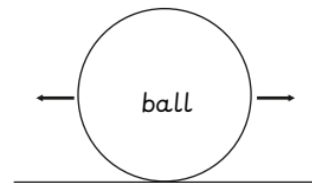
Science - Unbalanced forces



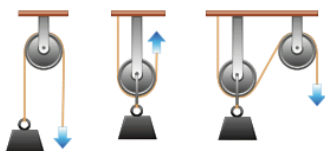
When forces are **unbalanced** (unequal), change will happen: changing speed, shape, direction, starting or stopping moving.



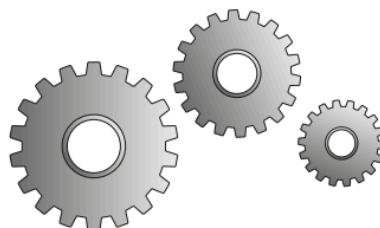
When forces are **balanced** (equal), an object will either be stationary or moving at a steady speed.



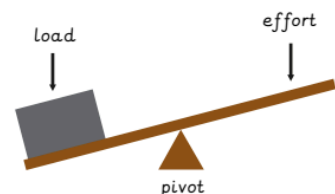
A **pulley** is a wheel with a groove around it for a rope, making it easier to lift heavy things by pulling down on the rope.



A **gear** is a wheel with teeth that fits into another gear to change the speed or direction of movement.



A **lever** is a stiff bar that moves around a pivot to lift a load more easily.



History - Unheard histories

Jane Austen	An 18th century English novelist.
Winston Churchill	A politician and writer who was the British Prime Minister during WW2.
Equality Act 2010	A law that protects people from discrimination.
historical figure	A person from the past who had an impact on other people.
historical significance	A person or event from the past which a modern historian decides is important.
shortlist	A list of people competing for an award or competition.
stereotype	A fixed and often unfair idea about a group of people.
Alan Turing	An English mathematician and WW2 codebreaker who laid the foundations for modern computer science.
J W M Turner	An English romantic painter known for his landscapes and use of colour.

The five R's of significance

A method to examine the historical significance of a person or event. The five R's consist of:

- ▶ **Remembered** - a person or event that was important to the memory of a group of people.
- ▶ **Revealed** - a person or event that reveals aspects of the past.
- ▶ **Remarkd** - a person or event that was reported on at the time and later.
- ▶ **Resonates** - a person or event that has connected to experiences, beliefs or attitudes across time and place.
- ▶ **Resulted** - a person or event that created change and had consequences for the future.



Betty Boothroyd (1929-2023) was a Labour politician and MP for West Bromwich from 1973-2000. She became the first woman Speaker of the House of Commons in 1992 and held the position until 2000.

Credit: ColourNews / Alamy Stock Photo



Lily Parr (1905-1978) was an English professional footballer from St Helens, Lancashire. Known for her powerful shot-making, she scored nearly 1,000 domestic and international goals during a period when the Football Association banned the women's game as being 'unsuitable for women'.

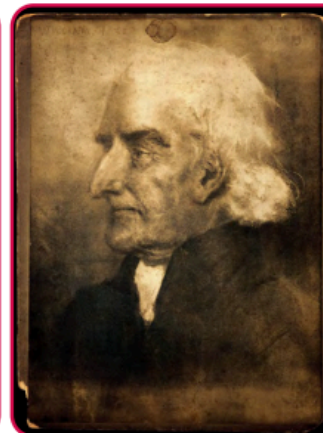
Credit: Gordon Marino / Alamy Stock Photo

History - Unheard histories



Betty Snowball (1909-1989) was an English cricketer. She played cricket for the England women's cricket team and held the record for the highest number of runs scored in an innings for 50 years. It remains the highest number of runs scored by an Englishwoman. She retired from professional sport to teach cricket and mathematics in Herefordshire.

Credit: History and Art Collection / Alamy Stock Photo



William Tuke (1732-1822) was a Quaker, tradesman and philanthropist. In 1796, Tuke founded a hospital in York for people who require support with their mental health called The Retreat, after hearing about the poor conditions patients lived in. The Retreat pioneered new methods of treatment, including improved living conditions, better food and hygiene and opportunities to practise workplace skills.

Credit: Well/BOT / Alamy Stock Photo



MISS ELLEN WILKINSON
travailleuse

Ellen Wilkinson (1891-1947) was a Labour Party politician and MP for Middlesbrough East (1924-1931) and Jarrow (1935-1947). She spoke passionately in favour of women's interests, including equal pay. Ellen became only the second woman to obtain a position in the Cabinet and was responsible for increasing the school leaving age to 15. She also participated in the 'Jarrow Crusade', where 200 unemployed men marched from Jarrow in northeast England to London, protesting against unemployment and poverty.

Credit: Chronicle / Alamy Stock Photo

Year 5: Exploring the associations between music, sounds and colour

Musical feature: Composition

In this unit we compose our own musical composition to represent Holi, the Hindu festival of colour, which celebrates the beginning of spring and the triumph of good over evil.

Holi celebrations include people throwing and smearing each other with vibrant, multi-coloured paints and powders.



Vocabulary

Graphic score A way of writing down music on the page without using traditional stave notation, using symbols and images to represent the music.

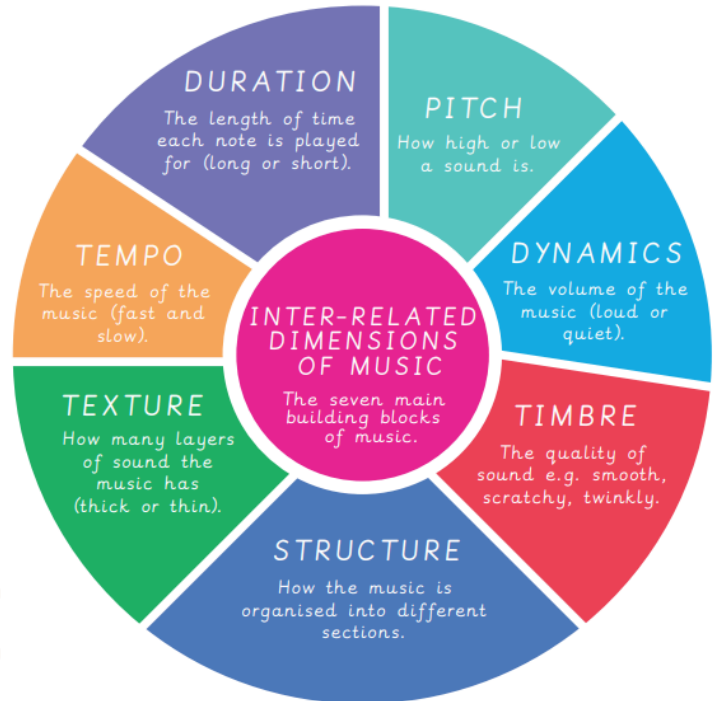


Synaesthesia A condition where you 'see' music as colours.

Major A tonality where the music sounds happy or bright.

Minor A tonality where the music sounds sad or tense.

Layering An overlapping of different music or instruments to create a 'thick' texture in a musical piece.



Computing

Year 5 Computing knowledge mat: Stop Motion

Subject Specific Vocabulary

Animation	Pictures or photographs in a sequence to give the illusion of movement.
Animator	Someone who specialised in the creation of animations.
Background	What can be seen behind the main objects or people in a picture.
Decompose	To break something down into smaller chunks.
Duplicate	To make an exact copy of something.
Editing	The process of making changes to a text or film.
Frame	Each picture or page in an animation.
Illusion	Something that is not how it appears to be.
Onion skinning	A way of seeing the previous frame to help create the next frame in an animation.
Stop motion	A sequence of images or photographs used to create an animation.
Storyboard	A sequence of sketches to show what will be included within an animation or video.

Key Knowledge

I know that decomposition of an idea is important when creating stop-motion animations.

I understand that stop motion animation is an animation filmed one frame at a time using models, and with tiny changes between each photograph.

I know that editing is an important feature of making and improving a stop motion animation.



Prior Learning

Year 3:

- I know that different types of camera shots can make my photos or videos look more effective.
- I know that I can edit photos and videos using film editing software.
- I understand that I can add transitions and text to my video.

Year 2:

- I understand that an animation is made up of a sequence of photographs.
- I know that small changes in my frames will create a smoother looking animation.
- I understand what software creates simple animations and some of its features.



Year 5 PSHE Knowledge Mat: Relationships

Relationships : Prior Knowledge

- ✓ Know some reasons why people feel jealousy and that jealousy can be damaging to relationships.
- ✓ Know that loss is a normal part of relationships.
- ✓ Know that negative feelings are a normal part of loss.
- ✓ Know that memories can support us when we lose a special person or animal.
- ✓ Know that change is a natural part of relationships/ friendship.
- ✓ Know that sometimes it is better for a friendship/ relationship to end if it is causing negative feelings or is unsafe.



Relationships : Key Knowledge

- I know that a personality is made up of many different characteristics, qualities and attributes.
- I know that belonging to an online community can have positive and negative consequences.
- I know that there are rights and responsibilities in an online community or social network.
- I know that there are rights and responsibilities when playing a game online.
- I know that too-much screen time isn't healthy.
- I know how to stay safe when using technology to communicate with friends.

Relationships : Key Vocabulary

Personal attributes	Quality or characteristic of a person.
Qualities	A distinctive attribute or characteristic possessed by someone or something.
Characteristics	A feature or quality belonging typically to a person, place, or thing and serving to identify them.
Rights	A moral or legal entitlement to have or do something.
Responsibilities	Something for which a person is responsible.
Screen time	Time spent using a device such as a computer, television, or games console.
Personal information	Any information related to an identifiable person.
SMARTT rules	Staying safe and happy online advice provided by Jigsaw.

British Values

Democracy

Can recognise and resist pressures to use technology in ways that may be risky or may cause harm to myself or others.

Rule of law

Can explain how to stay safe when using technology to communicate with my friends.

Tolerance of different faiths & beliefs

Understand there are rights and responsibilities in an online community or social network.

Mutual respect

Can recognise when an online community is helpful or unhelpful to me.

Individual liberty

Have an accurate picture of who I am as a person in terms of my characteristics and personal qualities.



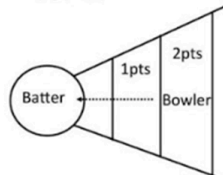
Sport

Knowledge Organiser: Year 5 Rounders



Prior Learning: Developed a range of skills in a competitive context. Chosen and used a range of simple tactics in isolation and a game context. Identified different roles in rounders.

Equipment needed: Range of balls, range of bats and striking equipment, posts, button cones, batting cone.



Key Vocabulary/Skills

Apply rules of the game consistently.	Power, consistently, accuracy, stump, conditioned, fitness, miss hit, strength, encouragement, defensive, offensive.
Optimal base positioning.	
Following the path of the ball.	
Applying backwards hit rule.	
Field with some awareness of batters' strengths.	

Key Questions:

1. What's the difference between close and deep fielding?
2. If the backstop threw the ball to 2nd base and 2nd base misfielded the ball what could the batter do?
3. Why would a batter purposely hit the ball backwards?

Rules:

- Batters waiting should be stood in the backward area well away from the 4th post.
- A 'No Ball' is awarded when the ball is bowled above the head or below the knee, if it is too wide, it bounces before it gets to the batter or if the bowlers foot is outside of the bowling square.



Head: Apply the backward hitting rules.

Hand: Play more attacking shots looking for gaps in the field.

Heart: Show commitment towards their team and perseverance during game play.

R&W - Who should get to be in charge?

anointed	Chosen by a higher power to fulfill a specific role or responsibility.
authority	The power or right to give orders, make decisions and enforce obedience.
bloodline	The genetic or biological relationship between family members.
compassion	Feeling kindness and a desire to help others who are suffering or in trouble.
dedication	Being committed to a task or purpose.
dignity	The state of being worthy of honour or respect.
Hadith	Stories and teachings about what Prophet Muhammad said or did.
interpretation	The way someone understands or explains something.
legal system	A set of rules that people in a country or area must follow.
lineage	A person's family heritage, typically tracing back through generations.
revelation	When something special is shown or told to people, often something that comes from God.
sacrifice	The act of giving up something valued for the sake of others, a quality exemplified by Sikh Gurus.
succession	When one person follows another.
Sunnah	The way of life and habits of Prophet Muhammad that Muslims try to follow.
religious law	Rules that come from the interpretation of religious teachings.
revelation	When something special is shown or told to people, often something that comes from God.
ummah	The community of Muslims all over the world.

Lehna was chosen as Guru Nanak's successor for his humility and service, becoming Guru Angad, embodying Sikh values of selflessness and devotion.

If a country's legal system is governed by religious law, it means that the law or rules are based on a particular religion's teachings and beliefs.

Religious laws are a set of rules or guidelines based on teachings or religious texts which guide people on how they should live and behave. People have a choice if they would like to follow these rules.

The ummah look to teachings from Muhammad and the Qur'an to understand what is considered right or wrong.

British monarchs are selected through bloodline, similar to some Muslim beliefs of how religious leaders should be selected, with them being related to Muhammad.

Hadith are texts detailing Muhammad's words and actions, serving as a key guide for Muslims on religious laws and behaviour.

