

DT: Mechanical Systems- Gears and Pulleys

We will be learning about:

- Design how gears and pulleys work.
- Design and make a gear and pulley system.
- Create questions for market research and provide feedback.
- Write and use a design brief.
- Evaluate a product against an agreed upon design criteria and incorporate changes.
- Draw and annotate designs.



Year 5 Spring 1

Science: Properties & changes of materials

We will be learning about:

- Grouping together everyday materials based on their properties
- Dissolving & solubility
- Separating mixtures
- Uses of everyday materials
- Reversible & irreversible changes



PSHE & Relationships Education: Physical Health & Fitness, Healthy Eating & Drugs, Alcohol & Tobacco

We will be learning about:

- Characteristics of an active lifestyle
- The risks associated with an inactive lifestyle
- How & when to seek support in school about health
- Characteristics of a poor diet & the risks associated with unhealthy eating
- The facts about legal & illegal harmful substances
- The effects of unrealistic images in the media.

Changing Adolescent Bodies

We will be learning about:

- Physical & emotional changes during puberty & physical hygiene (girls & boys separately)
- Key facts about puberty & the changing adolescent bodies, particularly emotional & physical changes
- Menstrual wellbeing & the menstrual cycle

PE: Dance

We will be learning to:

- Move in time to music, creating movements that express the meaning and mood of the piece
- Create short dance routines that relates to a piece of music
- Explain decisions when creating/choosing movements that feature in a short routine
- Perform short routines with good timing

Sending and Receiving

- Use different techniques to travel, pass/shoot in a variety of modified games
- Develop an understanding of how to improve and evaluate own performance
- Throw and catch constantly from a variety of heights, angles and distances



History: Anglo Saxons Vs Vikings

We will be learning about:

- Key events of the eras
- Why the Anglo Saxons & the Vikings invaded Britain & how they did this
- Sources that give information about their lives
- Danelaw
- King Alfred the Great
- What life was like before & after Viking invasions for richer & poorer people
- How the era came to an end in Britain
- The impact on our lives today



Computing: Computer Science - Selection & Conditionals

We will be learning about:

- Explaining what a conditional is
- Planning & writing an algorithm using: commands, sequence, repetition & selection (If...then...)
- Detecting & debugging errors in complex algorithms & programs
- Using selection to create games in which the user must make a choice

Music: Music and Words

We will be learning about:

- Explore & describe music, using accurate vocabulary such as pitch, tempo, dynamics, rhythm, timbre & articulation
- Learn common Italian musical terms & apply them to vocal & instrumental performance
- Listen to music from different genres & periods
- Use body percussion & instruments
- Build ensemble skills by maintaining a part, responding to others, & performing together
- Improvise melodies
- Explore jazz music
- Improvise using scat singing, experimenting with vocal timbre, rhythm & phrasing
- Compose short pieces
- Create graphic & standard notation
- Use music to convey mood, atmosphere & storytelling
- Compose & perform raps on Chrome Music Lab
- Use Spectrogram on Chrome Music Lab to explore timbre & expression in rap performances

RE: Muslim Holy Days

We will be learning about:

- The story of Ibrahim's faith being tested
- How Muslims celebrate Eid al Adha at the end of Hajj
- How Muslims celebrate Ramadan & Eid al Fitr
- Connections between Muslim beliefs & festivals
- How the values taught in Islam (submission, obedience, generosity, self-control & worship) can be valuable to those who are not Muslim



French: Healthy Eating

We will be learning about:

- Recalling reading & writing the names of fruit & vegetables
- Asking for fruit & vegetables from a market stall
- Following a story about fruit & vegetables
- Reading & understanding the instructions for a recipe & write their own
- Describing what they ate for breakfast

UNCRC Articles

Every child has the right to:

Article 6: live. Governments must do all they can to make sure children survive and develop to their full potential

Article 27: a standard of living that is good enough to meet their physical and social needs and support their development. Governments must help families who cannot afford to provide this

Article 31: take part in a range of artistic, sporting and cultural activities



British Values

Every child will develop:

- Their use of imagination and creativity in their learning
- Their skills and attitudes that will allow them to participate fully in and contribute positively to life in modern Britain
- An interest in investigating and offering reasoned views about moral and ethical issues and being able to understand and appreciate the viewpoints of others on these issues
- An ability to recognise the difference between right and wrong

