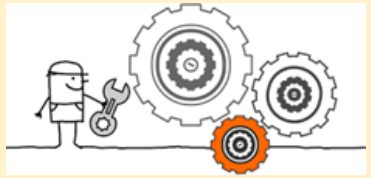
Year 5
Spring 1

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.



Science: Properties & uses of materials



We will be learning about:

- Grouping together everyday materials based on their properties
- Dissolving & solubility
- Separating mixtures
- Reversible & irreversible changes
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.

PSHE & Relationships Education:
Growing up: How will my body & emotions change as I grow up?

We will be learning about:

- Explain what body boundaries are.
- Use appropriate terminology to talk about puberty changes with confidence & respect.
- Recognise that everyone goes through puberty & that changes happen at different times & rates.
- Recognise that emotions & feelings change as people grow up, including during puberty.
- Demonstrate respectful & kind language when talking about bodies & physical changes.
- Identify one or more trusted adults at home or at school they could talk to.

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

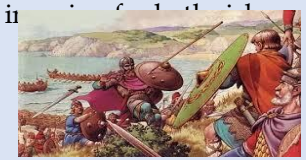
- Use different techniques to travel, pass/shoot in a variety of modified games
- Develop an understanding of how to improve and evaluate own performance
- Throw and catch constantly from a variety of heights, angles and distances



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 i… & 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: Hindu Life in Britain Today

We will be learning about:

- Describe how Hindus show their faith within their families in Britain today (e.g. home puja)
- Describe how Hindus show their faith within their faith communities in Britain today (e.g. arti & bhajans at the mandir; in festivals such as Diwali)
- Identify some different ways in which Hindus show their faith
- Identify the terms dharma, Sanatan Dharma & Hinduism & say what they mean
- Make links between Hindu practices & the idea that Hindu Dharma is a whole 'way of life' (dharma)
- Raise questions & suggest answers about what is good about being a Hindu in Britain today, & whether taking part in family & community rituals is a good thing for individuals & society, giving good reasons for their ideas.

Spanish: Los Basicos

We will be learning about:

- Learn days of the week and months of the year.
- Saying my age and my birthday.
- Extending conversation with 'and you?'
- Learning numbers to 31.
- Describing hair and eye colour.
- Development of phonics – sounds and blends.
- Enjoying stories and songs.

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