The Lyceum

Year 4
Earth, Our Home

Maths

Money

- To solve problems with money

Time

- To understand years, months, weeks, and days
- To measure hours, minutes, and seconds
- To convert between analogue and digital times
- To convert to the 24-hour clock
- To convert from the 24-hour clock

Shape

- To understand angles as turns
- To identify angles
- To compare and order angles
- To classify triangles
- To classify quadrilaterals
- To identify and compare polygons
- To identify lines of symmetry

Position and Direction

- To describe position using coordinates
- To plot coordinates
- To draw 2-D shapes on a grid
- To translate shapes on a grid
- To describe translation on a grid

Statistics

- To interpret charts
- To calculate comparison, sum, and difference
- To interpret line graphs
- To draw line graphs
- To apply real-life data and statistics

English

The Boy Who Biked Across the World / Greta's Story

Haiku/Writing the next chapter/Information text/ Persuasive letter

- To rehearse and perform a piece of poetry
- To understand how the writer wants the reader to respond
- To understand different points of view in a text and sympathise with a character
- To understand persuasive writing techniques
- To write with purpose
- To understand how to write with a formal tone
- To understand how to use rhetorical questions to persuade
- To use show not tell to create suspense
- To proofread my writing to check for mistakes
- To use adverbs and adverbial phrases correctly
- To use inverted commas correctly to show direct speech

Science

Living Things and Their Habitats:

- Recognise that living things can be grouped in a variety of ways.
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.

States of Matter:

- Compare and group materials together, according to whether they are solids, liquids or gases.
- Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C).
- Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

Working Scientifically:

- Ask relevant questions, using different types of scientific enquiries to answer them.
- Set up simple practical enquiries and comparative and fair tests.
- Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.
- Report on findings from enquiries, including oral explanations.

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Art

Fantasy Worlds

- Studying book illustrations related to the environment.
- Creating scenic models linked to film adaptations of popular texts with a focus on environmental settings.

Spanish

Unit 3: Esta es mi familia / This is my family

- Family members
- What I like to do (verbs + vocabulary)
- Feelings and emotions (adjectives)
- Express location
- Project: Create a family poster and present it to an audience

Spanish-speaking countries: Cuba

Trips/Events

- School visit
- Sports Day
- Summer Pudding
- Happiness Day

RE

Christianity:
Do people need to go to church to show they are Christians?

Humanism:
What motivates Humanists to lead good lives?

Geography/History

- To understand biodiversity and ecosystems
- To identify different climate zones around the world
- To identify the features of the rainforests and adaptions needed to live there
- To understand what deforestation is
- To describe the different geological features and relate them to the climate
- To describe how the different climate impacted on human development
- To compare different biomes, linking them to human development in their areas

PSHE/RSE

Relationships
- Jealously
- Loss
- Memories
- Getting on and Falling out
- Girlfriends and Boyfriends

Changing Me
- Unique Me
- Having a Baby (Alternative lesson for Piece 2)
- Girls and Puberty
- Circles of Change
- Accepting Change
- Looking Ahead

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STEAM

Environmental sensors. Exploring sensors and building a monitoring device.

- What kind of environmental factors can we sense?
- How environmental sensors work.
- How is data presented and what does it tell us
- Build an environmental sensor unit using the Micro:bit.

Investigating real world problems including

- Climate change and sustainability
- Health
- Inequality
- Technology and AI
- Social change

Create products, posters or other media for possible solutions.

Create a presentation of your idea.

Computing

Interactive posters. Posters that can interact with people.

- Develop ideas for posters that can interact with people through sound, text and movement (outputs)
- Develop ways for people to activate the poster (inputs).
- Build and test posters.
- Display posters around the school.

Coding environmental sensors

- Explore the Micro:bit environment sensor kit.
- Code the Micro:bit to sense environmental factors and produce data through graphs.
- Analyse the data and make inferences and predictions.

Music

- Global pentatonic (SingUp)
- Intervals
- African Drumming
- Summer Pudding Preparation

Drama/Dance

This term in Dance:

- Consolidating their knowledge of patterning and spatial awareness
- Continuing to work on the contrast of dancing in unison and canons
- Implementing the technique learnt over the past 2 years and showcasing this in their dances for Summer Pudding.

PE

- Athletics
- Crickets
- Sports Day Practice