



Year 5 - Medium Term Curriculum Map - Term 2.1 2023-2024



ENTRY POINT

Space Academy / Astronaut Training Camp

Children work in groups to complete mental and physical challenges

- Agility
- Strength
- Balance
- Aerobic/anaerobic
- Hand/eye coordination
- Team games

MATHEMATICS

Number: Fractions

- compare and order fractions whose denominators are all multiples of the same number.
- identify name and write equivalent fractions of a given fraction represented visually including tenths and hundredths.
- recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.
- add and subtract fractions with the same denominator and denominators that are multiples of the same number.
- multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.

Number fractions 1,2,3

Number: Decimal and percentages

- round decimals with 2 decimal places to the nearest whole number and to 1 decimal place
- recognise and use thousandths and relate them to tenths, hundredths, and decimal equivalents.
- recognise the per cent symbol (%) and understand that per cent relates to
- solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and fractions with a denominator of a multiple of 10 or 25.

Decimal and percentages 11,7,8,12

IPC

History

- 3.03 Be able to analyse the viewpoint and resulting bias in historical sources
- 3.07 Be able to classify and organise events and societies both chronologically and regionally
- 3.08 Be able to infer reasons for historical events, situations and changes

Geography

- 3.02 Be able to use and interpret globes, images and maps including identifying differences in scale, including digital maps
- 3.11 Be able to name and describe geographical features of the earth

Science

- 3.06 Be able to plan a fair (test) investigation
- 3.07 Be able to make predictions related to the independent variable
- 3.10 Be able to evaluate the success of a product against its original design and suggest improvements

Design and Technology

- 3.10 Be able to evaluate the success of a product against its original design and suggest improvements

ENGLISH

Explanation texts

- Ask relevant questions to extend their understanding and knowledge
- Use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas
- Reading books that are structured in different ways and reading for a range of purposes
- Summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas
- Explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary
- Distinguish between statements of fact and opinion
- Noting and developing initial ideas, drawing on reading and research where necessary.
- Précising longer passages
- Using a wide range of devices to build cohesion within and across paragraphs
- Assessing the effectiveness of their own and others' writing
- Using passive verbs to affect the presentation of information in a sentence
- Using semi-colons, colons or dashes to mark boundaries between independent clauses
- Punctuating bullet points consistently

MISSION TO MARS

PSHE / PERSONAL LEARNING GOALS

Dreams and goals

- Future dreams
- The importance of money
- Jobs and careers
- Dream job and how to get their goals in different cultures
- Supporting others (charity)
- Motivation

TRIPS

EXPO - January

SHARQ VILLAGE – Watersports – February

EXIT POINT

Back to Earth Exhibition

- Children record Video diaries from Mars/messages home
- Children hold a Press conference on their return home
- Children create their own samples of Martian sand and rock
- Demonstrations and talks of science experiments covered in the topic.



Year 5 - Medium Term Curriculum Map - Term 2.2 2023-2024



ENTRY POINT

- Talk by school nurse on First Aid in an emergency.
- Health/fitness check.
- Bleep test by PE dept.
- Fitness Challenge to last the length of the unit.

IPC

International
3.02 Be able to categorise similarities and differences between people and places

Art
3.07 Be able to select materials and techniques to communicate an idea and evaluate their level of success

Health and wellbeing
3.06 Be able to identify when a strategy to reduce stress and improve wellbeing is needed and act accordingly

Science
3.11 Be able to draw conclusions based on results and compare to original hypotheses and the real world

ENGLISH

Reading

- reading books that are structured in different ways and reading for a range of purposes
- identifying and discussing themes and conventions in and across a wide range of writing
- summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas
- identifying how language, structure and presentation contribute to meaning
- Retrieve, record and present information from non-fiction

Spelling

- use further prefixes and suffixes and understand the guidance for adding them
- spell some words with 'silent' letters [for example, knight, psalm, solemn]
- use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1
- use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary

Handwriting and presentation

- choosing which shape of a letter to use when given choices and deciding whether or not to join specific letters.
- choosing the writing implement that is best suited for a task

Writing

- using further organisational and presentational devices to structure text and to guide the reader [for example, headings, bullet points, underlining]
- ensuring the consistent and correct use of tense throughout a piece of writing
- Proof-read for spelling and punctuation errors
- punctuating bullet points consistently
- using relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun

MATHEMATICS

Statistics

- interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and line graphs.
- solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Statistics: 6, 7

Measurement: Perimeter and Area

- measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.
- convert between different units of metric measure.
- calculate and compare the area of rectangles (including squares) including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes.

Measurement: Perimeter and Area - 30, 31

Geometry: Properties of shape

- identify 3-D shapes, including cubes and other cuboids, from 2-D representations.
- know angles are measured in degrees: estimate and compare acute, obtuse, and reflex angles.
- draw given angles, and measure them in degrees (o)
- identify: angles at a point and 1 whole turn (total 360o), angles at a point on a straight line and half a turn (total 180o) and other multiples of 90o. other multiples of 90o.
- use the properties of rectangles to deduce related facts and find missing lengths and angles.
- distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Geometry: Properties of shape. 15,16,17,18,19,20

Number: Negative Numbers

- interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0

Negative Number: 36

BEING HUMAN

PSHE / PERSONAL LEARNING GOALS

Healthy me
Anti-social behaviour
Emergency aid
Body image
Relationships with food
Healthy choices
Motivation and behaviour

TRIPS

N/A

EXIT POINT

Each class to create a presentation to explain:

- What does 'being healthy' mean?
- Nutrition – making healthy choices and eating a balanced diet
- Personal hygiene – keeping our body clean
- Disease – preventing the spread of infection

Fitness - How has our fitness improved since starting the unit?