



Year 5 – Park House Medium Term Curriculum Map - Term 2.1 2022-2023



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

IPC

Geography

- 3.14 Be able to collect and record evidence to answer geographical questions
- 3.15 Be able to identify geographical patterns and to use their knowledge and understanding to explain them
- 3.16 Be able to use appropriate geographical vocabulary to describe and interpret their surroundings
- 3.18 Be able to use appropriate techniques to gather information
- 3.19 Be able to make plans and maps in a variety of scales using symbols and keys
- 3.20 Be able to use and interpret globes and maps in a variety of scales
- 3.22 Be able to explain how physical and human processes lead to similarities and differences between places
- 3.24 Be able to communicate their knowledge and understanding of geography in a variety of ways

History

- 3.10 Be able to find out about aspects of the past from a range of sources
- 3.05 Be able to plan their own performance
- 3.10 Be able to refine and improve their performance based on their understanding of what is needed

Science

- 3.02a Be able to conduct scientific investigations posing scientific questions
- 3.02b Be able to choose an appropriate way to investigate a scientific issue
- 3.02c Be able to make systematic and accurate measurements from their observations
- 3.02d Be able to explain and justify their predictions, investigations, findings and conclusions
- 3.02e Be able to record and communicate their findings accurately using the most appropriate medium and the appropriate scientific vocabulary and conventions

Technology

- 3.04 Be able to respond to identified needs, wants and opportunities with informed designs and products
- 3.05 Be able to gather and use information to suggest solutions to problems
- 3.06 Be able to devise and use step-by-step plans
- 3.09 Be able to work with a variety of tools and materials with some accuracy
- 3.10 Be able to test and evaluate their own work and improve on it

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

MATHEMATICS

Number: Multiplication and Division

- multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.
- divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.
- recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)
- solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes
- solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals' sign.

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.

Multiplication and division 17,19,21,22,23
Number fractions 1,2,3

TOPIC – 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

- Al Thuraya Planetarium in Katara
- Novo Cinema for Hubble in 3D

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 – Park House Medium Term Curriculum Map - Term 2.2 2022-2023



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

- 3.05 Be able to explain how the lives of people in one country or group are affected by the activities of other countries or groups.
- 3.06 Be able to identify ways in which people work together for mutual benefit.

Science

- 3.02a Be able to conduct scientific investigations posing scientific questions
- 3.02b Be able to choose an appropriate way to investigate a scientific issue
- 3.02c Be able to make systematic and accurate measurements from their observations
- 3.02d Be able to explain and justify their predictions, investigations, findings, and conclusions
- 3.02e Be able to record and communicate their findings accurately using the most appropriate medium and the appropriate scientific vocabulary and conventions

Technology

- 3.05 Be able to gather and use information to suggest solutions to problems.
- 3.06 Be able to devise and use step-by-step plans.
- 3.09 Be able to work with a variety of tools and materials with some accuracy.

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

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.

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 1/2, 1/4, 1/5, 2/5, 4/5 and fractions with a denominator of a multiple of 10 or 25.

Decimal and percentages 11,7,8,12

TOPIC – 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?