

Extreme Weather (inc. Climate Change) Spring Term 2022

Computing
 Develop Research and Search Engine skills.
 2 Code
 Learn to code like a pro - using sequence, selection and repetition

Science
Life Cycles
 Complete unit - Chn will present their power points on their chosen life cycles.
 Study human life cycles: identify and understand the 6 stages of the human life cycle.

Forces
 Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
 Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.
 Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

RE
 Why is the Torah so important to Jewish people?
 Identify and explain Jewish beliefs about God
 Make clear connections between Jewish beliefs about the Torah and how Jews use and treat it
 Make clear connections between Jewish commandments and how Jews live (e.g. in relation to kosher laws)
 Give evidence and examples to show how Jewish people put their beliefs into practice in different ways (e.g. some differences between Orthodox and Progressive Jewish practice)

Physical Development
 There will be 1 PE lesson a week (Wednesday) -focussing on invasion games along with multi-skills - Tag Rugby.
 Plus Year 5 Swimming

Activities
 Ask the children to play games using familiar equipment. Listen to their views on which equipment they like best.
 Teach them different ways of catching / holding / passing the ball. Help them to pass the ball accurately to team mates.
 Teach them how to position their bodies to keep behind the ball.
 Help the children to retrieve and intercept a ball.
 Improve their agility and coordination through multi-skills activities.
 Inter-Class Competition

English
 A unit of explanatory text - children will create a survival booklet. The children will have opportunities to edit and refine their writing.
 A unit of Narrative / Descriptive writing
 Guided reading sessions will build skills of inference and deduction and understanding the intentions of the writer when choosing words and phrases.
 A unit of biography writing.
 Reading Assessment x 2

Activities

- Express likes, dislikes, feelings and empathise with the text they are reading.
- Write an explanation booklet
- Write a description
- Write a biography - Bear Grylls etc
- Develop knowledge of year 5 and 6 grammar terms and apply these to their writing i.e. expanded noun phrases prepositional phrases, fronted adverbials, active and passive voice, modal verbs.

Geography
 The children will be studying extreme weather incidents, natural disasters and climate change

Activities

- Create fact files on human, amphibian, reptile, mammal, birds, plants etc
- Short presentations
- Plan and carry out air resistance experiment - record, analyse and explain data

Music
 The Fresh Prince of Bel-Air
 Class Room Jazz 1

Activities

- Follow own line of enquiry
- Identify and record 'hotspots' around the world for extreme weather conditions
- Research and create a fact file on a chosen weather event.
- Present findings to class
- Storm in a jar experiment
- Build an extreme weather shelter

Art and DT

- Extreme weather through the medium of Art
- Forces through diagrams and DT models

Year 6 Mathematics

Number Sense - Chn can make appropriate decisions about when to use their understanding of counting (including counting below zero), place value and rounding for solving problems including adding and subtracting.

Additive Reasoning - Chn can solve addition and subtraction problems in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods. They can explain their decision making and justify their solution and level of accuracy.

Multiplicative Reasoning - Chn can explain the relationship between multiplication, division, ratio and proportion. They use this understanding to derive facts and solve problems.

Geometric Reasoning - Chn can explain how to reflect and translate shapes on a grid with four quadrants and use this knowledge and understanding to solve problems. They can explain how to find the volume of cubes and cuboids and use this understanding to solve problems.

Assessment x 2 plus mock SATs

Year 5 Mathematics

Number Sense - Chn can make appropriate decisions about when to use their understanding of counting (including counting below zero), place value and rounding for solving problems including adding and subtracting. Chn can explain the representation of three-digit positive numbers as Roman numerals.

Additive Reasoning - Chn can solve addition and subtraction problems in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods. They can explain their decision making and justify their solutions.

Multiplicative Reasoning - Chn can explain and show properties of prime, composite, square and cube numbers and explain factor pairs related to these sets of numbers. They understand and can explain the relationship between multiplication, division, fractions and percentages. They use this understanding to derive facts and solve problems.

Geometric Reasoning - Pupils can explain how to reflect and translate shapes on a grid in the first quadrant and use this knowledge and understanding to solve problems.

Assessment x 2

Activities

- A daily mental maths session to develop and improve mental strategies.
- 99 Club weekly challenge will help the children with their rapid recall of key number facts.
- Measure angles using a protractor
- Calculate angles without the use of a calculator
- Plot coordinates in all four quadrants / translate, reflect shapes.
- Use simple formulae
- Calculate the area of shapes
- Use, read, write and convert between standard units
- Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
- Use all four operations to solve problems involving measure
- Interpret graphs and pie charts.

Activities
 Art: Create a poster to include a description, the warning signs, risks, advice, emergency service information.
 DT: Build a shelter and prepare it against two different types of extreme weather.

P.S.H.E

- Healthy Me:
- Activities: Taught through Circle Time -; record in Jigsaw Journal