

MAIN DRIVER

iRobot

NUMERACY

NUMBER

- Use order of operations
- Use estimation to check answers-Perform challenging mental calculations
- Use estimation to check answers
- Know place value to three decimal places; multiply and divide numbers by 10, 100 and 1000
- Multiply one-digit numbers with up to two dp by whole numbers
- Solve problems involving all aspects of number, including multi-step problems.
- Recall and use equivalences between simple fractions, decimals and percentages.
- Solve problems involving all aspects of number, including multi-step problems.

RATIO AND PROPORTION

- Solve problems involving: relative sizes of two quantities; percentages; similar shapes; unequal sharing and grouping

ALGEBRA

- Use simple formulae
- Generate and describe linear number sequences
- Express missing number problems algebraically
- Find pairs of numbers that satisfy an equation with two unknowns
- Enumerate possibilities of combinations of two variables

MEASUREMENT

- Use a range of measures and conversions, using decimals up to three dp
- Calculate area of triangles and parallelograms
- Calculate, estimate and compare volumes of cubes and cuboids

STATISTICS

- Calculate mean averages

Mega Machines
Immersive experience involving pulleys and levers

Life

(1st February)

WOW/IMMERSION

EV3 Robot Experience

The Word South Shields

LITERACY

Writing

- Spell: words with prefixes, suffixes and silent letters; homophones and other confusing words; using knowledge of morphology and etymology
- Use a thesaurus/dictionary to check meanings/spellings
- Write legibly, fluently and with increasing speed
- Plan writing: to suit audience and purpose; noting and developing initial ideas; considering how authors develop characters and settings
- When writing: select appropriate grammar and vocabulary; use linking, organisational and presentational devices; in narratives use dialogue and develop character, setting and atmosphere
- Assess effectiveness of own and others' writing and propose changes to enhance effect and clarify meaning
- Check writing for: correct and consistent tenses; subject/verb agreement; distinction between spoken/written language; appropriate register; correct spelling and punctuation
- Perform own compositions
- Understand formal language structures, including subjunctive
- Use: expanded noun phrases; modal and passive verbs; relative clauses
- Use: commas and hyphens to avoid ambiguity; brackets, dashes and commas for parenthesis; semi colons, colons or dashes between independent clauses; colons in lists; punctuation of bullet points

Spoken language

- Listen and respond appropriately
- Ask relevant questions
- Build vocabulary
- Articulate and justify own ideas
- Describe, explain and narrate for different purposes; express feelings
- Participate actively in conversations
- Speculate, hypothesise and explore ideas
- Speak clearly and fluently in Standard English
- Take part in discussions, presentations, performances, role-play, improvisations and debates
- Keep listeners interested
- Explore different viewpoints
- Communicate effectively using appropriate register.

NOVEL STUDY

READING

- Apply knowledge of morphology and etymology when reading new words
- Read and discuss a broad range of texts
- Read books structured in different ways; read for a range of purposes
- Recommend books to others
- Identify and discuss themes and conventions and make comparisons
- Learn a wider range of poetry by heart
- Prepare poems/plays to read aloud and perform
- Check for sense and ask questions to improve understanding
- Draw inference and make predictions
- Summarise main ideas
- Identify how structure and presentation contribute to meaning
- Discuss authors' use of language
- Distinguish between fact and opinion
- Retrieve, record and present information from non-fiction
- Discuss books they read and hear
- Explain and discuss their understanding, including through formal presentations and debates
- Justify their views

Graffiti Art Workshop



Mission to Mars Workshop

Discovery Museum



MAIN OUTCOME



PSHE

Health and Wellbeing

1. What is meant by a healthy lifestyle
2. How to maintain physical, mental and emotional health and wellbeing
3. How to manage risks to physical and emotional health and wellbeing
4. Ways of keeping physically and emotionally safe
5. About managing change, including puberty, transition and loss
6. How to make informed choices about health and wellbeing and to recognise sources of help with this
7. How to respond in an emergency
8. To identify different influences on health and wellbeing

SPAG

- Recognising vocabulary and structures that are appropriate for formal speech and writing, including subjunctive forms
- Using passive verbs to affect the presentation of information in a sentence
- Using the perfect form of verbs to mark relationships of time and cause
- Using expanded noun phrases to convey complicated information concisely
- Using modal verbs or adverbs to indicate degrees of possibility
- Using relative clauses beginning with who, which, where, when, whose, that or with an implied (ie omitted) relative pronoun
- Using commas to clarify meaning or avoid ambiguity in writing

Y6 EXPO

Inventor from the Past



SCIENCE

- Explore biological classification in more detail
- Identify main parts of the human circulatory system
- Explore the impact of diet, exercise, drugs and lifestyle on health.
- Describe how nutrients are transported in humans and other animals.
- Know living things have changed over time
- Know offspring are similar but not identical to parents
- Identify how living things adapt and how this may lead to evolution.

GEOGRAPHY

- Locate the world's countries, focusing on Europe and the Americas
- Study UK counties, cities, regions, physical features, land use and changes over time
- Identify the lines and zones on a globe, including time zones
- Compare a UK region with one in Europe and one in the Americas.
- Understand key aspects of physical and human geography
- Use maps, atlases, globes and digital/computer mapping
- Use eight points of the compass, four- / six-figure grid references, symbols and keys
- Use a range of methods to study the local area

HISTORY

- An aspect of British history extending past 1066
- Local history study

PE

- Use running, jumping, catching and throwing in isolation and in combination
- Play competitive games, modified as appropriate
- Develop flexibility and control in gym, dance and athletics
- Take part in outdoor adventurous activities
- Compare performances to achieve personal bests

CREATIVE

ART

- Use sketchbooks to collect, record and evaluate ideas
- Improve skills in drawing, painting and sculpture, using various materials
- Learn about great artists, architects and designers.

MUSIC

- Use voice and instruments with increasing accuracy, control and expression.
- Develop understanding of musical history

ICT

- Create a range of digital products (including for handling data).
- Use technology safely, respectfully and responsibly.
- Use logical reasoning
- Understand computer networks
- Use search technologies effectively