



Year 5 - Spring 1 - (Science Focus)

English
Key Texts: Aquila
Writing Genres: Newspaper reports, narrative, balanced argument
N/C OBJECTIVES:
Plan their writing by: ...identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own noting and developing initial ideas, drawing on reading and research where necessary in writing narratives, considering how authors have developed characters and settings in what pupils have read, listened to or seen performed
Draft and write by:... selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning in narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action precisising longer passages using a wide range of devices to build cohesion within and across
Evaluate and edit by: ... assessing the effectiveness of their own and others' writing proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning ensuring the consistent and correct use of tense throughout a piece of writing ensuring correct subject and verb agreement when using singular and plural, distinguishing between the language of speech and writing and choosing the appropriate register
Spelling: use of 'ably' and 'ibly' suffixes, year 5 words, apostrophes for possession, homophones
N/C OBJECTIVES:- Homophones and other words that are often confused. **N/C OBJECTIVES:-** write legibly, fluently and with increasing speed by: choosing which shape of a letter to use when given choices and deciding whether or not to join specific letters

Maths
 A Year 5 study of fractions, decimals and percentages
N/C OBJECTIVES:
 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 [for example, $5\ 2 + 5\ 4 = 5\ 6 = 1\ 5\ 1$] ♣ 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 ♣ read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$] ♣ recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents ♣ round decimals with two decimal places to the nearest whole number and to one decimal place ♣ read, write, order and compare numbers with up to three decimal places ♣ solve problems involving number up to three decimal places ♣ recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal ♣ solve problems which require knowing percentage and decimal equivalents of 2 1, 4 1, 5 1, 5 2, 5 4 and those fractions with a denominator of a multiple of 10 or 25.

Science
 Sc5/4.1a describe the movement of the Earth, and other planets, relative to the Sun in the solar system
 Sc5/4.1b describe the movement of the Moon relative to the Earth
 Sc5/4.1c describe the Sun, Earth and Moon as approximately spherical bodies
 Sc5/4.1d use the idea of the Earth's rotation to explain day and night, and the apparent movement of the sun across the sky.

Computing
 Purple Mash Databases unit of work.
N/C OBJECTIVES:
 select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

Art and Design
 Colouring/painting scaled drawings of planets.
N/C OBJECTIVES:
 to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]

Geography
 Locate where different influential astronauts came from - find continent, country and city. Locate space stations. Discuss lines of longitude when explaining day and night and different time zones.
NC Objectives
 . locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities
 . identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

History
 Use different sources of information to find out about Helen Sharman- the first British astronaut to go into space.
N/C OBJECTIVES:
 A significant turning point in British history

PE
Swimming/Dance
N/C OBJECTIVES:
 swim competently, confidently and proficiently over a distance of at least 25 metres
 use a range of strokes effectively [for example, front crawl, backstroke and breaststroke]
 perform safe self-rescue in different water-based situations.
 perform dances using a range of movement patterns

PHSCE
 Activities around the need to keep bodies clean and teeth clean. Hygiene routines.
NC Objectives
 Understanding the importance of, and how to, maintain personal hygiene.

RE
 Calderdale agreed syllabus.
 Unit: 5.2 How do the five pillars guide Muslims in life?

To infinity and beyond!



MFL (French)
 Food glorious food.
N/C OBJECTIVES:
 speak with increasing confidence, fluency and spontaneity
 increase vocabulary, make polite requests.

Music
 Gustav Holst - The Planets. David Bowie - Space Oddity. The Police Walking on the Moon- listen and appraise space themed music.
N/C OBJECTIVES:
 Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians

Maths Creativity Link
 Scale drawings of the planets.

English Creativity Link
 Newspaper report of space mission.

The Arts Core Subject Link
 Drama in science- interviewing astronauts

UNCRC:
 Article 12- right to give opinion
 Article 28- right to good education- encouraged to achieve highest level

SMSC/ British Values
 The rule of law- link to Aquila- what should boys do legally. Do they own the space ship? Mutual respect for and tolerance of those with different faiths and beliefs and for those without faith. Link to international space station.

Workshop
 Half day workshop with the Wonder Dome - planetarium.