

COMPUTING

Computer systems and Networks
Internet safety

Learners work together online on a shared project. This unit introduces another approach to online working: reusing and modifying work done by someone else. This is done within the bounds of copyright and with the relevant permissions. This unit uses the Scratch programming tool, which allows learners to use other people's work.

History

There is no history taught this term.

Geography

The United Kingdom

To compare and contrast the different countries of the United Kingdom. Be able to locate the UK's counties and cities. Look at the different physical and human features of the UK. Look at the UK's main industries and local industries in Sunderland. What the different energy sources in the UK and what are their advantages and disadvantages.

Key Vocabulary - United Kingdom, country, county, city, industries, energy sources, physical and human features.

CLIMATE ZONES

What is the main difference between weather and climate? Identify the different lines of latitude and the equator. What are the different climate zones across the world? What is the temperature and precipitation like in different climate zones.

Key Vocabulary: Climate, latitude, weather, Equator, hemisphere, sphere, axis, season

ART Still life: To identify and draw objects and use marks and lines, to produce texture; to know how to organise line, tone, shape and colour to represent figures and forms in movement; to know how to successfully use shading to create mood and feeling; to explain why they have chosen specific techniques to create my art.

D&T Bread

To understand the different people and events that help to explain how bread is made today. To look at the many different types of bread available and how they are important to a range of cultural traditions. To design and make a bread roll by following a recipe and using a range of kitchen equipment.

FRENCH *This is taught by French specialist teacher.*

Looking at different French speaking countries across the world and their locations.

Larger numbers in order to look at and understand dates and pricing.

ENGLISH

Writing – Pupils further develop skills in reading, spelling, punctuation, grammar and speaking and listening, according to individual ability – developing writing accuracy, pace and detail across a range of fiction and non-fiction texts. We will also be working on the Southbank Writing Project that will give the children the chance to collaborate on a fiction story and become a published author!

Reading – We will be working on the novel "The Jamie Drake Equation" by Christopher Edge that will link to our Science on Earth and Space. We will be working on understanding of vocabulary, retrieval of details and making more advanced inferences.

Handwriting – Pupils will continue to develop a consistently joined and fluent style.

MATHS

Data

~ Interpret time graphs

~ Solve comparison/sum/difference problems using information presented in line graphs

~ complete information in tables, including timetables

~ read/interpret information in tables, including timetables

~ decide which representations are most appropriate to represent given data.

Fractions

~ count forwards/backwards in simple fractions

~ compare / order fractions whose denominators are all multiples of the same number.

~ identify/ name / write equivalent fractions, represent visually, including 1/10ths and 1/100ths

~ simplify fractions using know factors

Decimals

~ say/read/write decimal numbers as fractions up to three decimal places.

~ Round decimals (up to 2 dp) to the nearest whole number/ one decimal place.

~ Compare/ order numbers up to three decimal places

~ double decimals up to one decimal place.

~ add near doubles to one decimal place

Year 5: Spring

R.E.

Muslims in Britain

Look at the statistics of Muslims living in Britain. Think about how beliefs are put into practice through the 5 pillars of Islam with a focus on Hajj.

Judaism

Look at the practices of the Jewish faith and why the Torah is significant. Look at the Shema prayer as well as thinking about food laws and the different groups of Jewish people.

MUSIC

Listen to and learn to sing a traditional Islamic Nasheed called Madina tun nabi. Practice singing in a round and adding a drone to the music. Perform the song together and learn about the origins of a Nasheed.

P.E.

Dance ~ Learn, practice and perform dance steps and sequences by using a range of movement patterns. They will create, practice and perform a choreographed piece to an audience, to a chosen piece of relevant music.

Dodgeball ~ learn the skills to participate in a non-traditional competitive sport.

Swimming ~ Develop swimming skills and confidence in the water over a distance of at least 25 meters.

PSHCE

Belonging to a community: This will include looking at how to care for the environment and show compassion towards others.

Media literacy and digital resilience: This will include looking at how information online is targeted; different media types; their role and impact.

Money and work: This will include identifying job interests and aspirations; what influences career choices; workplace stereotypes.

SCIENCE

Earth and Space

Is the Earth flat or round? How many planets are there? Does the sun move? How does the rotation of the Earth affect day and night? When would you expect to see the longest shadow? - Investigation work.

Key Vocabulary: Earth, planets, Sun, solar system, Moon, celestial body, sphere/spherical, rotate/rotation, spin, orbit, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, night and day, shadow clocks, sundials, sunrise, sunset.

Materials and their properties.

What are mixtures? What does dissolving mean - including investigations in to the rate of dissolving? How can we separate mixtures? How can we clean our dirty water? **KEY VOCAB:** Particles, state, materials, properties, matter, condensation, evaporation, water vapour, solubility, transparency, conductivity, dissolving, insoluble, suspension, irreversible, solution, reversible, soluble.