Raiders or Traders?

Y5 Autumn 1

DT

Shelters

Research existing products.

Develop a simple design specification.

Generate, develop and model innovative ideas, through discussion, prototypes and annotated sketches.

Formulate a clear plan for the making process.

Select from and use appropriate tools to accurately measure.

Mark out, cut, shape and join construction materials to make frameworks.

Use finishing and decorative techniques suitable for the product they are designing and making.

Understand how to strengthen, stiffen and reinforce 3-D frameworks

Geography

Knowledge & Skills

Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom (York)

Settlements—Why they were formed, their key features and place names

Human settlement changes over time including Anglo-Saxon/ Viking/Tudor/Georgian/Modern

MUSIC

Getting Loopy

• Understand how loops can be used to structure a piece of music.

History

Historical Interpretations

Find and analyse a wide range of evidence about the past

Use a range of evidence to offer some clear reasons for different interpretations of events, linking this to factual understanding about the past

Consider different ways of checking the accuracy of interpretations of the past

Start to understand the difference between primary and secondary evidence and the impact of this on reliability

Show an awareness of the concept of propaganda

Know that people in the past represent events or ideas in a way that may be to persuade others

Begin to evaluate the usefulness of different sources

Anglo-Saxons & Vikings

Be able to test out a hypothesis to answer historical questions

Identify some social, cultural, religious and ethnic diversities of societies studied in Britain and wider world

Appreciate how historical artefacts have helped us understand more about British lives in the present and the past

Sequence historical periods, identifying changes within and across historical periods

Use dates and historical language to investigate work

Be able to draw a timeline with different time periods outlined, which show different information such as periods of history and historical figures

French

La date (The Date)

Days of the week, months of the yearand numbers 1-31

Knowledge and skills to say the date and when their birthday is in French.

RE

Jews: how does remembering maintain Jewish identity?

Rosh Hashanah: diverse Jewish celebrations

Rosh Hashanah and Yom Kippur

The story of Esther and Haman

How Jews mark Purim today

The story of Hanukkah

Hanukkah and Jewish identity today

Computing

Word Processing

Select and use word processing tools to create effective documents.

To know how to format and organise text within a document.

To know how to edit and improve documents using word processing tools.

To know how to insert, resize and position images appropriately.

To know how to use tables and page layout tools to present information effectively.

PSHE

Mindfulness

First Aid Training

Kiva –Unit 2 Lesson 1 : Respect is for Everyone

Raiders or Traders?

Y5 Autumn 2 (cont'd)

Science

Working Scientifically

Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings where appropriate

Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Using test results to make predictions to set up further comparative and fair tests

Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations

Properties and changes of materials

Compare and group together everyday materials based on their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets

Know that some materials will dissolve in liquid to form a solution and describe how to recover a substance from a solution

Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating

Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic

Music

Christmas Concert

DT

Viking Stew

Develop a clear idea of what has to be done, planning how to use materials, equipment and processes and suggesting alternative methods of making if the first attempt fails

Weigh and measure accurately (time, dry ingredients, liquids)

Apply the rules for basic food hygiene and other safe practices e.g. hazards relating to the use of ovens

Evaluate it personally and seek evaluation from others

Geography

Knowledge & Skills

Use fieldwork to observe, measure, record and present the human features using a range of methods, including sketch maps, plans and graphs and digital technologies

Plan a train journey, map the attractions and follow a street route

History

The Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor

Give short term cause and consequence of the main events, situations and changes in the period studied

PSHE

KIVA Unit 2 Lesson 2: In a group

Diverse Britain Lesson 1

RE

Jesus: how did he speak truth to power?

The Parable of the Good Samaritan

Interpreting the Good Samaritan today

Jesus and generosity

Interpreting teachings on wealth today

Martha and Mary

French

Au salon de thé (At the Tea Room)

Perform a short role-play in a French tea room.

Consolidate much of the grammar covered already (nouns, gender, determiners and plurality)

Can say and write what they are ordering to eat and/or drink using a wider range of vocabulary alongside very useful transactional language.

Computing

Databases

Use databases to organise, search and analyse information.

To know how to design and create a database.

To know how records and fields organise information within a database.

To know how to use queries, filters and sorting tools to find information.

To know how validation helps improve the accuracy of data.

Earth & Beyond

Y5 Spring 1

Science

Working Scientifically

Identifying scientific evidence that has been used to support or refute ideas or arguments

Recognise that scientific ideas change and develop over time

Earth & Space

Describe the movement of the Earth, and other planets, relative to the Sun in the solar system

Describe the movement of the Moon relative to the Earth

Describe the Sun, Earth and Moon as approximately spherical bodies

Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky

Learn that the Sun is a star at the centre of our solar system and that it has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune (Pluto was reclassified as a dwarf planet in 2006)

Understand that a moon is a celestial body that orbits a planet (Earth has one moon; Jupiter has four large moons and numerous smaller ones)

Geography- The World Map

Knowledge & Skills

Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Artic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)

Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied, including physical features such as oceans, deserts, mountainous regions and the tropics .

Identify key physical and human characteristics, countries, and major cities describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts

Art

Collage

Explore expression of self through collage.

Encourage the use of sketches, photos, newspapers, magazines and the collection of found or meaningful objects and the application of different techniques to create a collage.

Select and use cutting tools and adhesives with care to achieve a specific outcome.

Select and use found materials with art media and adhesives, assembling them carefully to represent an idea.

Design and create a collaborative piece of artwork.

RE

Forgiveness: Is reconciliation possible?

The story of Coventry Cathedral

Jesus' teaching about forgiveness

Coventry Cathedral and reconciliation today

Reconciliation: the story of South Africa

Reconciliation: the work of Desmond Tutu

Quakers: creating a fairer and more peaceful world

Computing

Concept Maps

Select, use and combine a variety of software to organise and present information.

To know how concept maps can be used to organise and link ideas.

To know how to create concept maps using nodes and connecting lines.

To know how to structure information for a specific purpose.

To know how to present information effectively using a concept map.

French

As-tu un animal ? (Do You Have a Pet?)

Present both orally and in written form about the pets they have and/or do not have in French.

1st person singular to 3rd person singular verb usage

Music

Performance Poetry

Understand how the voice is a powerful tool for musical and poetic expression

Write and perform own raps

PSHE

KIVA Unit 2 Lesson 3- Recognising Bullying

Internet Safety: NSPCC Share aware

May the Force be with you

Y5 Spring 2

Science

Working Scientifically

Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary

Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings where appropriate

Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Using test results to make predictions to set up further comparative and fair tests

Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations

Identifying scientific evidence that has been used to support or refute ideas or arguments

Explore and talk about their ideas; asking their own questions about scientific phenomena; analysing functions, relationships and interactions systematically

Recognise that scientific ideas change and develop over time

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, the act between moving surfaces

Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect

Explore the effects of air resistance by observing how different objects such as parachutes and sycamore seeds fall

Explore the effects of friction on movement and find out how it slows or stops moving objects

DT

Cams Toys

Generate ideas through brainstorming and identify a purpose for their product

Draw up a specification for their design

Develop a clear idea of what has to be done, planning how to use materials , equipment and processes, and suggesting alternative methods of making if the first attempts fail

Use results of investigations, information sources, including ICT, when developing design ideas

Use skills in using different tools and equipment safely and accurately

Cut and join with accuracy to ensure a good quality finish to the product

Understand how mechanical systems such as cams, pulleys or gears create movement

Evaluate it personally and seek evaluation from others

Computing

Micro:bit

Design and write programs that accomplish specific goals by decomposing them into smaller parts.

To know how to use variables to store and change information within a program.

To know how to use selection statements to control outcomes.

To know how sensors can be used to provide inputs to a program.

To know how code can control outputs on a micro:bit device.

RE

Muslims: What are the joys and challenges of being Muslim in Britain?

Muslims in Britain today

Diversity in the Muslim community today

Belonging to a Muslim family

Dress and modesty for Muslims today

Charity and generosity

Contributions and challenges

Music

Music From Around The World

Sing a 3 part round and maintain own part.

Compose a simple melody using the pentatonic scale.

Identify key stylistic features of music from around the world.

PSHE

KIVA Unit 2 Lesson 2: In a group

Diverse Britain Lesson 1

French

Quel temps fait-il ? (What's the Weather Like?)

Knowledge and skills to describe the weather and present a weather forecast in the foreign language.

Link the weather vocabulary with map work, compass points and general geography.

Roots & Routes

Y5 Summer 1

History

Macclesfield & Silk Trade

Find and analyse a wide range of evidence about the past

Use a range of evidence to offer some clear reasons for different interpretations of events, linking this to factual understanding about the past

Consider different ways of checking the accuracy of interpretations of the past

Start to understand the difference between primary and secondary evidence and the impact of this on reliability

Know that people in the past represent events or ideas in a way that may be to persuade others

Begin to evaluate the usefulness of different sources

Appreciate how historical artefacts have helped us understand more about British lives in the present and the past

Be able to draw a timeline with different time periods outlined, which show different information such as periods of history and historical figures

Use dates and historical language to investigate work

Sequence historical periods, identifying changes within and across the historical periods

Compare past and present maps

Local area walk to identify key landmarks and compare buildings from different time periods

Handle and investigate historical artefacts

PSHE

Money Matters Lessons 1 & 2

Drugs & Alcohol Education

Lesson 1: Managing risks with medicines

Lesson 2: Managing risks—legal and illegal drug use

Geography

Knowledge & Skills

Use four- and six-figure grid references (including the use of OS maps) to build knowledge of the locality and United Kingdom

Name and locate counties and cities of the United Kingdom, geographical regions and their identifying characteristics, key topographical features (including hills, mountains, coasts and rivers) and land-use patterns; and understand how some of these aspects have changed over time

Understand geographical similarities and differences through the study of human and physical geography of a region of the UK (locality & York)

Describe and understand key aspects of human geography, including trade links of the locality (then and now)

Fieldwork

Use fieldwork to observe, measure, record and present the human features using a range of methods, including sketch maps, plans , graphs and digital technologies including: aerial photos of locality; exploring scale maps of locality (including tithe and digital maps); OS symbols; following a route map; calculating distances using different scales; drawing detailed maps and conducting a traffic survey in the locality

Art

Printing

Design and create printing blocks inspired by the natural and man-made environment and its contents e.g. patterns in flowers, curtains, wallpaper, space imagery.

Explore repeating patterns using rotation, symmetry and tessellation of positive and negative print blocks.

Continue to explore pattern, line, colour, shape and texture in multi-layered block printing.

Create repeated patterns with precision.

Explore relief printing by cutting/etching/tearing into different surfaces including corrugated cardboard, mount board, erasers and foil.

Continue to explore pattern, line, colour, shape and texture through relief printing.

Music

Improvising Colours

To improvise in simple ways using rhythms and scales

Explain how changes in performance affect mood and character of a piece of

RE

Humanists: How can you lead a happy and meaningful life?

Humanist beliefs

The one life

Humanism: a natural origin and a precious planet

Humanism: deciding right from wrong

Humanist ceremonies

Humanism around the world

French

Chez moi (My Home)

Present both orally and in written form about where they live and which rooms they have and do not have in their homes in French.

Recycle previously learnt grammar, using it with new vocabulary, conjunctions and grammar, demonstrating a growing ability to create independent responses.

Computing

Spreadsheets

Create spreadsheets to solve calculations and problems.

To know how to use formulae and functions to perform calculations automatically.

To know how to convert measurements using spreadsheet formulae.

To know how to create and interpret line graphs that show change over time.

Circle of Life

Y5 Summer 2

Science

Working Scientifically

Explore and talk about their ideas; asking their own questions about scientific phenomena and analysing functions, relationships and interactions more systematically

Living Things and their Habitats

Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird

Describe the life processes of reproduction in some plants and animals

Raise questions about their local environment throughout the year

Find out about the work of naturalists and animal behaviourists, for example, David Attenborough and Jane Goodall

Find out about different types of reproduction, including sexual and asexual reproduction in plants and sexual reproduction in animals

Animals, including Humans

Describe the changes as humans develop to old age

Draw a timeline to indicate stages of growth and development in humans

Learn about the changes experienced in puberty

PSHE

RSE– Lessons 1—3

Talking about puberty

The Reproduction System

Puberty help and support

RE

Buddhists: who was the Buddha and what does he mean for Buddhists?

The idea of a Buddha

Siddhartha: early life

Siddhartha: craving and suffering

Siddhartha: enlightenment and impermanence

Buddha for Buddhists today

Buddha: meditation

Art

Painting

Create different effects by using a variety of tools and techniques such as dots, scratches and splashes, and applying paint in layers.

Create a colour palette using acrylic paint, demonstrating mixing techniques.

Use studies from close observation to help plan and realise paintings, using thumbnail studies and paint techniques to represent action, interaction or the 'impression' of a scene.

Show the effect of light and colour, texture and tone on natural and man-made objects.

Computing

Game Creator

Select, use and combine a variety of software to create digital content.

To know the features of successful digital games.

To know how to plan and design a game for a specific audience.

To know how to create and customise sprites and game environments.

To know how to evaluate and improve a game based on playability and feedback.

French

Boucle d'or et les Trois Ours (Goldilocks and the Three Bears)

Listen more carefully so as to be able to understand a familiar fairy tale recounted in French using picture, word and phrase cards.

Music

Newsbeat

Construct own radio broadcast around a news story

Understand how music reinforces key messages