Y6 Autumn 1

South America and the Rainforest

Geography

Pupils will know about and understand key features of South America including human & physical geography, trade and climate. They will have a greater knowledge of the world's biomes with particular reference to the biomes of South America.

Find out about the location and countries of South America.

Investigate the climate of South America and compare to the UK

Explore the physical features of South America

Investigate the main biomes and those particularly found in South America and compare to the UK

Explore the human geography of South America

Investigate trade and industry in South America.

Identify and locate Rainforest biomes across the world

Investigate, in more detail, the Amazon Rainforest and the effects of deforestation.

Know and describe the environmental threats to the rainforest.

Art

Textiles

Explore the use of paint and wax resist using batik.

Develop fabric embellishment skills by experimenting with, for example, stitches, beads, buttons, sequins and other mixed media material.

Music

Samba

Perform rhythmic patterns confidently and with control in small group settings

RE

Hindus: how do Hindus see Brahman?

Investigate ideas of the divine in Hindu dharma.

Using the story of Svetakeatu, understand the idea of Brahman in all things.

Examine deities and mandirs to see Hindu dharma is pluralist and the divine can be perceived in many ways.

French

Les habitats (Habitats)

Present both orally and in written form about various plants and animals that live in five very different habitats in French.

PSHE

Mindfulness

KiVA Lesson 5

Consequences of bullying

Science

Living Things and their Habitats

Classify living things based on specific and common characteristics

Describe how living things are classified into broad groups according to common observable characteristics and based upon similarities and differences, including micro-organisms, plants and animals

Give reasons for classifying plants and animals based on specific characteristics

Know that broad groupings, such as micro-organisms, plants and animals can be sub-divided

Classify animals into commonly found invertebrates (such as snails, insects, spiders and worms) and vertebrates (fish, amphibians, reptiles, birds and mammals)

Find out about the significance of the work of scientists such as Carl Linnaeus, a pioneer of classification

Computing

Networks

Recognise the component parts and purpose of computer networks.

To know the difference between a LAN and a WAN.

To know the difference between the internet and the World Wide Web.

To know how routers and Wi-Fi enable devices to communicate across networks.

To know how networks support communication, collaboration

Y6 Autumn 2

Crime & Punishment

History

Crime & Punishment Through the Ages

Pupils will have an understanding on how features of crime, punishment and detection have changed over the last 1000 years. Their chronological knowledge will extend beyond 1066 and they will look at causes and consequences of change.

Recognise when they are using primary and secondary sources of information to investigate the past;

Select relevant sections of information to address historically valid questions and construct detailed, informed responses;

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

Identify and note connections, contrasts and trends over time in the everyday lives of people

Use appropriate historical terms such as culture, religious, social, economic and political when describing the past;

Examine causes and results of great events and the impact these had on people

Describe the key features of the past, including attitudes, beliefs and the everyday lives of men, women and children.

Art

Drawing

Develop confident mark-making skills using a range of media to convey still life in response to light and dark, shadows and well-lit areas.

Study and respond to how artists have conveyed still life, focusing particularly on the work of Cubist artists.

Investigate the techniques of foreshortening and breaking down images into shapes.

Develop their own language for expressing themselves by applying what techniques and knowledge they have learnt in the creation of a portrait.

Science

Light

Understand that light travels in straight lines and to know how we see objects.

Recognise that light appears to travel in straight lines

Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye

Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes

Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them

Work scientifically by deciding where to place rear-view mirrors on cars; designing and making a periscope and using the idea that light appears to travel in straight lines to explain how it works

Look at a range of phenomena including rainbows, colours on soap bubbles, objects looking bent in water and coloured filters

Computing

Spreadsheets (with MS Excel)

Use spreadsheets to organise, analyse and present data.

To know how to use formatting tools to organise information in a spreadsheet.

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

To know how to sort and filter data to answer questions.

To know how to create and format charts to present data effectively

PSHE

KiVA Lesson 6

Group involvement in Bullying

Diverse Britain

RE

Sikhs: What does Khalsa mean to Sikhs today?

Focus on the Sikh community in the UK today.

Learn why there is a Sikh community and its contribution historically and in terms of service and charity.

Analyse how Amrit and the 5Ks remain important to Sikh identity and how there is a diversity of practices.

French

Les vêtements (Clothes)

Describe what they are wearing in French by colour.

Grammar covered in our Intermediate teaching type (nouns, gender, articles/determiners, plurality, adjectival agreement, 1st person verb conjugation) so that pupils can express what they are wearing in full sentences in different scenarios in French.

Music

Christmas Concert

Sing to larger audience.

Sing in parts and rounds

Y6 Spring 1

The Maya

History

Pupils will understand the importance and mystery of the Maya and make connections to broader historical context and draw links with British history and other familiar aspects of world history

Order an increasing number of significant events, movements and dates on a timeline using dates accurately

Understand how some historical events/periods occurred concurrently in different locations, e.g. Indus Valley and Ancient Egypt.

Select relevant sections of information to address historically valid questions and construct detailed, informed responses

Identify and note connections, contrasts and trends over time in the everyday lives of people Use appropriate historical terms such as culture, religious, social, economic and political when describing the past

Describe the key features of the past, including attitudes, beliefs and the everyday lives of men, women and children

Use a wide range of different evidence to collect evidence about the past, such as ceramics, pictures, documents, printed sources, posters, online material, pictures, photographs, artefacts, historic statues, figures, sculptures, historic sites

Select relevant sections of information to address historically valid questions and construct detailed, informed responses

Investigate their own lines of enquiry by posing historically valid questions to answer

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

Present, communicate and organise ideas about from the past using detailed discussions and debates and different genres of writing such as myths, instructions, accounts, diaries, letters, information/travel guides, posters, news reports

RE

Pilgrimage: why are people still drawn to ancient places?

Revisit the idea of pilgrimage.

Investigate case studies of the sites of Iona, the Ganges and Glastonbury.

Learn that there has been a Christian or Hindu presence there for centuries. Note how there is both continuity and change.

French

À l'école (At School)

Learn the nouns and definite articles/determiners for 10 school subjects in the foreign language.

Learn how to conjugate the verb "to study", an introduction to time and an expansion of opinions

Talk about the subjects they like and dislike at school (along with a justification) and at what time/day they study various subjects.

Art

3-D

Work in a safe, organised way, taking care of equipment. Secure work to continue at a later date.

Use recycled, natural and manmade materials, other than clay, to create sculptures, confidently and successfully joining.

Explore relationship between sculpture and design through a sketchbook project which takes film/ literature/drama as its starting point and facilitates an open-ended sculptural exploration, with children working at their own pace and following their own journey.

Enable evolution of ideas for their own sculpture through a combination of design through making and drawn inspiration.

Computing/PSHE

Binary

Understand how computers represent and process information using binary.

To know that computers represent data using binary digits (0s and 1s).

To know how to represent simple decimal numbers in binary format.

To know how binary values are used to show different states, such as on/off or true/false.

To know that all digital information is stored and processed using binary code.

PSHE

KiVA Lessons 7

Confronting a bully as a group

On-Line Safety

NSPCC Share Aware

Music

Getting the Maximum Out of the Minimum

Become familiar with the music of Steve Reich

Learn some of the key principles of minimalism and be able to apply these to their own compositions

Y6 Spring 2

Evolution

Science

Evolution & Inheritance

Describe how living things have adapted and evolved over time.

Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago

Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents

Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution

Be introduced to the idea that characteristics are passed from parents to their offspring i.e. different breeds of dogs and what happens when e.g. Labradors are crossed with poodles

Appreciate that variation in offspring over time can make animals more or less able to survive in particular environments, e.g. how a giraffe's neck gets longer

Find out about the work of palaeontologists such as Mary Anning and about how Charles Darwin and Alfred Wallace developed their ideas on evolution

RE

The Church: Has there always been diversity?

Gain an overview of the history of the church after Jesus.

Learn how and why the Christian church now has different denominations through case studies that allow them to see the diverse Christianity of today.

DT

Calzones

Carry out sensory evaluations of a range of relevant products ingredients.

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

Follow a recipe accurately.

Make a list of equipment and utensils needed.

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

Apply the rules for basic food hygiene

Know and use appropriate equipment and utensils to prepare a combine food., including knives, peeler, saucepan on a hob.

French

Le week-end (The Weekend)

Learn 10 phrases for activities they may do at the wee in the foreign language.

Develop further telling the time and opinions/justifica

Talk about what they do at the weekend, enabling ther create more detailed and personalised responses .

Computing

Blogging

Select, use and combine a variety of software to create content for an audience.

To know the features and purpose of a blog.

To know how to plan, write and publish a blog post.

To know how to edit and improve content before publication.

To know how to comment responsibly and follow online etiquette.

PSHE

KIVA Lessons 8 & 9

What to do if I get bullied?

Consequences of bullying

Aspirations, Work & Careers

Music

Codebreakers

Use basic codes to produce various forms of musical materia cluding rhythm and melodies.

Y6 Summer 1

I've got the Power

Science

Electricity

Know and understand that the amount of voltage in a circuit can affect the output of a component inc brightness, volume and speed.

Associate brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit

Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches

Use recognised symbols when representing a simple circuit in a diagram

Construct simple series circuits, to help them to answer questions about what happens when they try different components, for example, switches, bulbs, buzzers and motors

Learn how to represent a simple circuit in a diagram using recognised symbols

DT

Buggies- Electrics and Structures

Communicate their ideas through detailed and labelled drawings

Plan the order of their work, choosing appropriate materials, tools and techniques

Assemble components and make working models

Use tools safely and accurately

Construct structures using permanent joining techniques

Make modifications as they go along

Use electrical systems in products

Computing

Introduction to Python

Design, write and explain more complex programs that fulfil specific purposes independently.

To know that Python is a text-based programming language.

To know how to use variables, functions and mathematical operators within a program.

To know how to use loops to repeat instructions efficiently.

To know how to create and test simple programs using Python.

French

Moi dans le monde (Me in the World)

Learn about other countries around the globe that speak the foreign language they are studying.

Learn about the currencies, flags, cultural traditions and celebrations of those countries.

Music

Sounds of the Future

Understand how sound design contributes to the expressive power of film

Produce own sound design for a short film

PSHE

Economic Wellbeing

Drugs Education

Managing risk: influences and pressure

Managing risk: drugs and alcohol in the media.

RE

Ethics: How do we decide what is good?

Consider the idea of what is good from a philsophical perspective.

Look at how Christians, Muslims and Humanists construct values - noting similarities and differences.

Examine Aristotle's idea of the golden mean and reflect on their own values.

I'm a Year 6. Get me out of here!

Y6 Summer 2

French

Manger et Bouger (Healthy Lifestyles)

Learn the nouns and articles/ determiners for 10 'healthy' and 10 'less healthy' foods, along with the 1st person singular conjugation of the high frequency verbs 'to eat' and 'to drink'.

Be able to say what they eat and do not eat, and drink and do not drink to stay healthy.

RE

Worldviews: how is our country and community changing?

Examine the place of religion in the UK today.

Beginning with an understanding of the census data , make comparisons globally.

Drill down to their own locality to compile a report noting trends and analysing similarities and differences to the UK.

Geography

Pupils will know and understand more about the geography of their locality by investigating settlements, economy and industry, climate and land use. They will use a range of mapping skills to document their understanding

Describe some key similarities and differences between Macclesfield Forest and the Amazon Rainforest.

Be able to use 6-figure grid references.

Be able to make comparisons and interpret different map scales of the same location.

DT

Electric Buggies (cont'd)

Construct products using permanent joining techniques

Make modifications as they go along

Achieve a quality product

Evaluate their products, identifying strengths, areas for development and carry out appropriate tests

Computing

Data Detectives

Use databases and data tools to answer questions and draw conclusions.

To know how to use sorting and filtering tools to find information in a database.

To know how to use linked tables to combine information from multiple sources. To know how to create graphs from database information.

To know how to use database tools to answer questions and solve problems.

3d Modelling

Select and use design software to create and evaluate digital models.

To know how to create and edit 3D models using CAD software.

To know how changing points affects the shape of a model.

To know how to design a model that meets a design

Science

Animals, including Humans

Understand the importance of a healthy circulatory system

Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood

Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function

Describe the ways in which nutrients and water are transported within animals, including humans

Explore questions to understand how the circulatory system enables the body to function

Learn how to keep their bodies healthy and how their bodies might be damaged, including how some drugs and other substances can be harmful to the human body

Explore the work of scientists and scientific research about the relationship between diet, exercise, drugs and lifestyle and health

PSHE

RSE

Puberty and reproduction

Understanding relationships

Conception and pregnancy

Music

Music from the stage & screen

Sing a variety of musical theatre songs

Analyse structure and style of the songs