

Year 5 Summer Term

Thurgoland CE Primary School

Learning Together in Faith and Joy

Design and Technology

Rainforest Shoebox Habitats

Make

Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately.

Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.

Evaluate

Investigate and analyse a range of existing products.

Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

Understand how key events and individuals in design and technology have helped shape the world.

Technical knowledge

Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages].

Understand and use electrical systems in their products [series circuits incorporating switches, bulbs, buzzers and motors].

Apply their understanding of computing to program, monitor and control their products.

Food Technology – Fruit Kebabs with Exotic Fruits

Understand and apply the principles of a healthy and varied diet.

Prepare and cook a variety of predominantly savory dishes using a range of cooking techniques.

Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.

Geography

Rainforests

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.

Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical 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.

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)

Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America.

Describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.

Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.

Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

Modern Foreign Languages -

French

Prepare and practice a simple conversation, re-using familiar vocabulary and structures in new contexts.

Understand and express simple opinions.

Listen attentively and understand more complex phrases and sentences.

Re-read frequently a variety of short texts.

Make simple sentences and short texts.

Write words, phrases and short sentences, using a reference.

Look at further aspects of their everyday lives from the perspective of someone from France.

Make a simple story book.

Develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases.

Appreciate simple stories, songs, poems and rhymes in French.

Art and Design

Rainforest /landscapes and Oenone Hammersley

To create sketch books to record their observations and use them to review and revisit ideas.

To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [pencil, charcoal, paint, clay].

Learn about great artists, architects and designers in history.

Science

Living things and their habitats including the life cycle of plants.

Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers

Explore the requirements of plants for life and growth and how they vary from plant to plant.

Investigate the way in which water is transported within plants.

Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

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

Describe the life process of reproduction in some plants and animals.

Describe the changes as humans develop to old age.

Scientific enquiry

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 when 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 a 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.

PSHE

Differences and similarities between people

To understand in our society that there are cultural, ethnic and religious diversity.

To understand that there are difference related to gender and disability.

Religious and ethnic diversity in the UK

To know that the UK is a religious multi ethnic community.

Health and the transmission of disease

To know that diseases and viruses can be submitted to others.

ICT

We are bloggers/ We are architects

Design, write and debug programs.

Use sequence, selection, and repetition in programs;

Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in within them.

Understand computer networks including the internet; how they can provide multiple services, such as opportunities for communication and collaboration.

Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.

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.

Use technology safely, respectfully and responsibly; recognise

acceptable/unacceptable behaviour; identify a range of ways to report concerns about content

PE

Schemes: Real PE and iMoves

Athletics

Use running, jumping, throwing and catching in isolation and in combination.

Develop flexibility, strength, technique, control and balance [for example, through athletics].

Compare their performances with previous ones and demonstrate improvement to achieve their personal best.

Games

Through our Real PE scheme we will be covering static balance from a small base, coordination and small floor movement patterns, coordination using equipment and agility using equipment.

Dance

This term we will be covering Latin and Aztec styles of dance through the iMoves scheme.

RE

Schemes: Understanding Christianity and Discovery

RE

What kind of king was Jesus?

Explain connections between biblical texts and the concept of the Kingdom of God.

Make clear connections between belief in the Kingdom of God and how Christians put their beliefs into practice in different ways, including in worship and in service to the community.

Do beliefs in, Karma, samsara and Moksha help Hindus lead good lives?

Looking at understanding the impact of certain beliefs on a Hindu's life.

Music

Class Orchestra - Ukulele