

Year 6

Bring it back

to me

Year 6 Autumn
'Lights out'

Art:

Artist Study, LS Lowry -
Children will explore perspective,
line and tone

To use appropriate media and
techniques for a specific
outcomes

To be able to use painting skills
with growing confidence for a
wider range of purposes,

To use hard and soft lines to
describe quality of edges or
appearances

To use gradated tone to describe
3D character of objects

To create a sense of visual depth
by employing cool and warm
colours in a picture

ICT

Coding

To use logical reasoning to explain how some simple
algorithms work and to detect and correct errors in
algorithms and programs.

Online safety

Use technology safely, respectfully and responsibly;
recognise acceptable/unacceptable behaviour. To identify a
range of ways to report concerns about content and
contact.

Geography:

Plotting the war - Children will
understand which cities and
countries were effected by
WWII

To locate the world's countries,
using maps to focus on Europe
(including the location of Russia)
... countries, and major cities

To name and locate counties and
cities of the United Kingdom,
geographical regions and their
identifying human and physical
characteristics, key topographical
features To use maps, atlases,
globes and digital/computer
mapping to locate countries and
describe features studied

Year 6 Autumn term 'Lights out'

History:

A Local History Study - Children will learn about
WWII by looking at the effects on the local
environment and its people

To carry out a study over time tracing how several
aspects of national history are reflected in the locality

To study an aspect of history dating from a period
beyond 1066 that is significant in the locality.

PE

Hockey

Children will learn how to play and use
equipment correctly in order to play
hockey.

English

This term, our literacy work will help us develop key skills linked to our targets. We will use our Science and Topic work as a basis for some of our writing.

Maths

In maths we will be covering a range of topics this term. Children will be given opportunities to consolidate their learning from Year 5 and build upon this to achieve the Year 6 objectives.

These are the topics we will be covering this term:

- Number and place value
- Mental addition and subtraction
- Written addition and subtraction
- Mental multiplication and division
- Written multiplication and division
- Problem solving, reasoning and algebra
- Decimals, percentages and their equivalence to fractions
- Problem solving, reasoning and algebra
- Measurement
- Fractions, ratio and proportion
- Geometry: properties of shapes

Science

Light

- 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

Electricity

- associate the 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

Year 6 Spring

'All about me: Sorted!'

RE:

This term we will be looking at peace.

Pupils will be learning about what peace means in a range of religions.

By the end of the unit pupils will be able to:

- explain the meaning of the word 'peace'.
- create a checklist of acts of peace.
- explain how different religions view peace.
- state the similarities and differences between each religion's view on peace.
- explain how some religions use inner peace to find peace and can reflect on this technique.
- explain techniques people use to find inner peace.
- reflect on their own experience of exploring inner peace.
- explain how religions focus on community cohesion to bring about peace.
- explain the different roles religions play in promoting community cohesion for peace.
- recognise key peace symbols.
- recognise symbols of peace.

ICT

Spreadsheets/Text Adventures

To 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.

Blogging

To understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration.

PE

Spring 1 Dance

Children to explore and improvise ideas for dances in different styles, working on their own, with a partner and in a group. PE will be linked to history and each week will focus on music during different time periods.

Spring 2 gymnastics

Children will be using as a range of different apparatuses to travel on. This will include the wall equipment as well

DT – Mazes

This term pupils will be researching, planning and making a maze game. During this unit they will: Design

- use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design
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

Year 6 Spring term
All about me. Sorted!

English

This term, our literacy work will help us develop key skills linked to our targets. We will use our Science and Topic work as a basis for some of our writing.

Science

Animals and their habitats

- Give reasons for classifying animals based on their similarities and differences.
- Describe how living things are classified into groups can identify the characteristics of different types of animals.
- Classify a creature based on its characteristics. describe and investigate helpful and harmful micro-organisms.
- Identify the characteristics of different types of micro-organisms.
- Classify organisms found in my local habitat.
- Explain the classification of organisms found in my local habitat.

Animals including humans

- Identify and name the parts of the human circulatory system.
- Describe the functions of the main parts of the circulatory system.
- Explain how water and nutrients are transported within the body.
- Can describe how diet and exercise impact on human bodies.
- Plan a scientific enquiry.
- To record data and results of increasing complexity using classification keys, tables, scatter graphs, bar and line graphs.
- Explain the impact of drugs and alcohol on the body.
- Describe how scientific evidence highlighted the dangers of smoking.

Maths

In maths we will be covering a range of topics this term. Children will be given opportunities to consolidate their learning from Year 5 and build upon this to achieve the Year 6 objectives.

These are the topics we will be covering this term:

1. Properties for 2d and 3d shapes
2. Reading, writing and ordering decimal numbers
3. Formal written methods for all 4 operations (Column addition & subtraction, long multiplication & long division.)
4. Solving problems & reasoning skills
5. Time
6. Factors and multiples
7. Fractions
8. Angles

This term will consist of a lot of revision in order to prepare the children for the SATS

Year 6 Summer

'Where I'm from and
where I'm going'

History/geography

Ancient Greece

Pupils will be able to:

Know and understand significant aspects of history: nature of ancient civilisations, expansion and dissolution empires.

Note connections, contrasts and trends over time. Ask questions about change, cause, similarity and difference.

Understand our knowledge of the past is constructed from a range of sources.

Note connections, contrasts and trends over time. Make connections, draw contrasts, analyse trends, frame historically-valid questions and create their own structured accounts, including written narratives and analyses.

Understand the methods of historical enquiry, how evidence is used to make historical claims.

Understand how our knowledge of the past is constructed from a range of sources. Make connections, draw contrasts, analyse trends, frame historically-valid questions and create their own structured accounts, including written narratives and analyses.

Year 6

Summer term

Where I'm from and where I'm going.

PSHE

We will be preparing pupils for their transition to secondary school. In this topic we will be addressing any social or emotional issues the pupils are feeling and how they can deal with them.

PE

For the majority of the Summer term year 6 will be going swimming.

ICT

Networks

To understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration.

Quizzing

To 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.

DT – Greek vases

This term pupils will be researching, planning and making a greek pot/vase. During this unit they will: Design

- use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design
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

English

This term, our literacy work will help us develop key skills linked to our targets. We will use our Science and Topic work as a basis for some of our writing.

Science

Living things and their habitat:

- describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-Organism: plants and animals
- give reasons for classifying plants and animals based on specific characteristics.

Evolution and inheritance:

- 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.

Maths

In maths we will be revising over a range of topics such as:

- Properties for 2d and 3d shapes
- Reading, writing and ordering decimal numbers
- Formal written methods for all 4 operations (Column addition & subtraction, long multiplication & long division.)
- Solving problems & reasoning skills
- Time
- Factors and multiples
- Fractions
- Angles

This term will consist of a lot of revision in order to prepare the children for the SATS

After the SATS the pupils will participate in transition lessons which will prepare the pupils for year 7. This mainly involves investigation work.