



St. Ambrose Barlow

Catholic Primary School

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Dear Parents,

For further information follow this link:

<https://www.gov.uk/government/collections/national-curriculum>

We are a Rights Respecting School. Whenever and wherever possible, cross-curricular links will be made to the Global Goals and the UNICEF convention in teaching and learning.

Year 6 Curriculum Overview

Autumn Term

R.E

Children will follow the Archdiocese of Birmingham Curriculum Strategy for R.E.

Units will include:

The Story of the People of God,

Prayers in the lives of the followers of Christ,

Baptism and Confirmation Celebrations,

Advent and Christmas.

Children will also be following the Liturgical Calendar, understanding and actively promoting the half termly values and virtues, further embed their knowledge of vocations, preparing for Confirmation, as well as preparing for and leading Collective Worship.

Maths

Throughout the year the children will continue to develop their fluency, problem solving and reasoning skills. Maths No Problem will be an integral part of the Concrete, Pictorial and Abstract approach to teaching and Learning. During the Autumn Term, children will learn about:

Numbers to 10 million,

Four operations on whole numbers,

Fractions,

Decimals,

Word Problems,

Measurements.

Literacy

Throughout the year the children will experience all aspects of literacy through literacy lessons, guided reading sessions, other subjects and regular home reading. They will experience a wide range of genres and use a variety of source materials, including written, audio and visual literacy resources. Literacy skills taught will be applied in all subjects to the

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same standards expected in the literacy lessons.
Genres studied during the Autumn term will include:
Novels as a theme (Warhorse)
Persuasion: A formal review (Warhorse Live Show)
Information text hybrids (Pig Heart Boy)
Discussion and debates (Pig Heart Boy)
Explanation texts (Dia de los Muertos)

Science

During this year, we will revise all units building on knowledge and skills already acquired.
Units this term will include:
Animals including humans – the circulatory system
Light – how light travels and reflections
Electricity – scientific advances in electricity, circuit symbols and battery voltage
Living things and their habitats – classification, including the Linnaean system
Evolution and inheritance – Inheritance and adaptation

History

During the Autumn Term, we will be learning about World War Two. Our work will centre around the enquiry question: Were the greedy British responsible for the outbreak of World War Two? To answer our question, we will study:
The end of World War One,
The Treaty of Versailles,
Evacuation,
The Blitz,
Rationing,
The role of women in the war,
The end of World War Two.

Geography

Our Geography learning this year will follow three strands:
>Locational, Europe and World Knowledge
>How Humans Impact On Our World - How our actions (the things we do) can change our planet and cause harm. In Year 6 pupils consider the impact of global warming on the climate and future climate predictions if we do nothing.
>How Our World Impacts On Humans - How Earth can cause us (people) harm.
With a focus on coasts, pupils will learn how the sea can cause people living by the coast harm. Pupils will link this learning to climate change and how, as the Earth warms, sea levels are due to rise and erosion will increase as the sea energy's increase.

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Computing

Systems and searching

Learners develop their understanding of computer systems and how information is transferred between systems and devices. Learners consider small-scale systems as well as large-scale systems. They explain the input, output, and process aspects of a variety of different real-world systems. Learners discover how information is found on the World Wide Web, through learning how search engines work (including how they select and rank results) and what influences searching, and through comparing different search engines.

Video production

Learners will learn how to create short videos by working in pairs or groups. As they progress through this unit, they will be exposed to topic-based language and develop the skills of capturing, editing, and manipulating video. Learners are guided with step-by-step support to take their idea from conception to completion. At the conclusion of the unit, learners can reflect on, and assess, their progress in creating a video.

French

Our French lessons will be taught by a specialist French teacher this year.

RSE

We will follow the Ten: Ten RSE scheme of work, and this term we will study UKS2 Module 1: Unit 2:

Gifts and talents,

Girls' bodies,

Boys' bodies,

Spots and sleep.

We will also follow the KiVa anti- bullying scheme of work

Music

Our Music lessons will be taught by a specialist Music teacher this year.

Art & Design Technology

In art, we will study birds and wildlife. We will work on our sketching technique using pencils as well as printing modelling with clay and creating 3D models using newspaper and Papier Mache.

Our DT topic is Marbulous Structures. We will use a range of cutting and joining techniques to design, make and evaluate our very own, functioning marble runs.

P.E.

Throughout the year the children will work in small groups to develop their tennis skills with a tennis coach. This term we will also work with the Aston Villa coach to work on our football skills and will develop our rounders and dancing skills.

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Spring Term

RE

Units this term will include:

Christmas,
Followers of Christ,
Lent,
Holy Week.

Children will also be following the Liturgical Calendar, understanding the half termly values and virtues, preparing for Confirmation, as well as preparing for and leading Collective Worship.

Maths

This term our units will include:

Measurements,
Volume,
Percentages,
Ratio and proportion,
Algebra,
Area and Perimeter,
Shape,
Position and movement.

Literacy

Throughout the year the children will experience all aspects of literacy through literacy lessons, guided reading sessions, other subjects and regular home reading. They will experience a wide range of genres and use a variety of source materials, including written, audio and visual literacy resources. Literacy skills taught will be applied in all subjects to the same standards expected in the literacy lessons.

Genres studied during the Spring term will include:

Biographies and Autobiographies (I am Malala, Once upon a time in Birmingham – Women who dared to dream),
Poetry – Songs and Lyrics (What a Wonderful World),
Poems with imagery (Who let the God's Out?),
Classic Fiction (The Wizard of Oz).

Science

This term, our units will include:

Animals including humans – transport of water in the body and healthy lifestyles
Light – refraction and the visible light spectrum

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Living things and their habitats – classifying organisms in the local area, and classifying unusual animals.

Evolution and inheritance – The theory of evolution, fossils, human evolution and the impact of human intervention on adaptation.

History

This term, we will look at the Ancient Mayan Civilisation

Who were they?

When and where did they live?

Religious beliefs and rituals,

Mayan number system,

The role of archaeologist and explorers.

Geography

Our Geography learning this year will follow three strands:

Locational, Europe and World Knowledge

How Humans Impact On Our World - How our actions (the things we do) can change our planet and cause harm.

How Our World Impacts On Humans - How Earth can cause us (people) harm.

Computing

Programming A – Selection in physical computing

In this unit, learners will use physical computing to explore the concept of selection in programming using the Crumble programming environment. Learners will be introduced to a microcontroller (Crumble controller) and learn how to connect and program it to control components (including output devices — LEDs and motors). Learners will be introduced to conditions as a means of controlling the flow of actions in a program. Learners will make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the 'if...then...' structure) and write algorithms and programs that utilise this concept. To conclude the unit, learners will design and make a working model of a fairground carousel that will demonstrate their understanding of how the microcontroller and its components are connected, and how selection can be used to control the operation of the model. Throughout this unit, learners will apply the stages of programming design.

Data and information – Flat-file databases

This unit looks at how a flat-file database can be used to organise data in records. Learners will use tools within a database to order and answer questions about data. They will create graphs and charts from their data to help solve problems. They will also use a real-life database to answer a question and present their work to others.

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French

Our French lessons will be taught by a specialist French teacher this year.

R.S.E.

We will follow the Ten: Ten RSE scheme of work, and this term we will study UKS2 Module

1: Unit 3:

Body image,

Funny feelings,

Emotional changes,

'Seeing stuff online'.

We will also follow the KiVa antibullying scheme of work.

Music

Our Music lessons will be taught by a specialist Music teacher this year.

Art & Design Technology.

In art, we will be recreating the work of a number of North American artists including John Singer Sargent, Ansel Adams and Helen Frankenthaler.

In DT we will be looking at seasonal foods and will use our knowledge to help us plan, cook and evaluate a delicious, healthy seasonal meal.

P.E.

Throughout the year the children will work in small groups to develop their tennis skills with a tennis coach. This term we will also study gymnastics, hockey, handball and dodgeball.

Summer Term:

RE

Units will include:

Easter,

Pentecost,

Belonging to the Church Community,

Celebrating the Life of Mary and the Saints.

Children will also be following the Liturgical Calendar, understanding and actively promoting the half termly values and virtues, preparing for Confirmation, as well as preparing for and leading Collective Worship.

Maths

This term we will be learning about:

Graphs and averages,

Number and Place value - Word problems,

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Measurement: volume,
Geometry: Shape,
Geometry: Position and movement,
Revision and end of year tests.

Literacy

Throughout the year the children will experience all aspects of literacy through literacy lessons, guided reading sessions, other subjects and regular home reading. They will experience a wide range of genres and use a variety of source materials, including written, audio and visual literacy resources. Literacy skills taught will be applied in all subjects to the same standards expected in the literacy lessons.

Genres studied during the Summer term will include:

Shakespeare/ Older Literature,
Classic Narrative Poems (The Tyger – William Blake),
Poems on a theme (The Tide Rises, The Tide Falls),
Novel as a theme (Wonder),
Short stories with flashbacks (The Piano).

Science

The children will study the following topics:

Animals including humans – the effect of exercise, drugs and alcohol on the body
Light – seeing colours and shadow formation
Electricity – practical electricity investigations
Living things and their habitats – microorganisms.

History

During the Summer term, we will recap and revisit previous learning:

Industrial revolution,
Romans,
Anglo-Saxons.

Geography

Our Geography learning this year will follow three strands:

Locational, Europe and World Knowledge

How Humans Impact On Our World - How our actions (the things we do) can change our planet and cause harm.

How Our World Impacts On Humans - How Earth can cause us (people) harm.

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Computing

Manipulating objects

Learners find out how to select and duplicate multiple objects at a single time. They develop this skill further by learning how to group multiple objects together to make them easier to work with. Learners then use this knowledge to group and ungroup objects, to make changes to, and develop, their vector drawings.

Create a vector drawing

Learners use the skills they have gained in this unit to create a vector drawing for a specific purpose. They reflect on the skills they have used to create the vector drawing and think about why they used the skills they did. Learners then begin to compare vector drawings to freehand paint program drawings.

French

Our French lessons will be taught by a specialist French teacher this year.

R.S.E.

We will follow the Ten: Ten RSE scheme of work, and this term we will study UKS2 Module 1: Unit 4:

Making babies

Menstruation

UKS2 Module 3: Units 1 and 2:

The Trinity,

Catholic social teaching,

Reaching out.

We will also follow the KiVa antibullying scheme of work.

Music

Our Music lessons will be taught by a specialist Music teacher this year.

Art & Design Technology

In Art, we will be learning how to draw portraits and in DT we will develop our understanding of mechanical systems. We will learn about controlling movement with a cam mechanism as part of an automata animal.

P.E.

Throughout the year the children will work in small groups to develop their tennis skills with a tennis coach. This term we will also study athletics, outdoor adventurous activities, and swimming.

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Yours sincerely,
Mrs George



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