

**Y3 Learning Unit – Bright Sparks  
Subject Focus – Science  
Autumn 1 2022**



**School Values**

**September:** Self (self-esteem, self-reliance, self-respect)

**October:** Forgiveness

**Visit**

Tutankhamun's Shoes Play at Polka Theatre - Thursday 20th October

**English**

**Narrative:** The True Story of the Three Little Pigs.

Traditional Tales told from another point of view.

Newspaper report

Drama through hot seating

Guided Reading and Story Telling

**Daily Catch up Phonics**

**Mathematics** (Maths No Problem)

Chapter 1 -Numbers to 1000

Chapter 2 – Addition and Subtraction

**Pre-Teach Mathematics**

Chapter 1 - Numbers to 100

Chapter 2 – Addition and Subtraction

**Art**

Using sketch pencils/pastels

Observational drawing

Create a picture/scene

**Science**

**Electricity**

I wonder...?

- What is the difference between battery and mains?
- Keeping safe with electricity.
- Lighting up a bulb –making a circuit
- Electrical conductors/insulators
- Switches: how can you turn electricity off?

**Physical Education**

**Real PE Unit 1:** Personal Skills Focus:

Coordination Skills

**Coach Led:** Fundamental Skills

Assessment

**Spanish**

Reinforcement of year Curriculum

Numbers to 20

Written Personal Information (ID cards)

Days of the Week, Months

Animals and Habitat

Describing Pets

Adjectives: “Lucas y su cerdo”

**Religious Education**

Religion: Sikhism

Themes: The Amrit Ceremony & The Khalsa

Key Question: Does joining the Khalsa

make a person a better Sikh?

**PSHE**

**Unit 1: Being Me in My World**

Help others to feel welcome

Try to make our school community a better place

Think about everyone's right to learn

Care about other people's feelings

Work well with others

Choose to follow the Learning Charter

**Computing**

**Unit 1:** Word Processing (with Google Docs)

**Design & Technology**

Design and make Three Little Pigs houses

Incorporate electrical components, furniture and décor

**Homework and Independent Learning**

My Maths (Internet)

Spelling Words (Spelling Book)

CGP English & Maths Book – 10

Minute Weekly Workouts

Independent reading at least 20 mins per day using MyOn – complete online

quizzes on books within ZPD range

Revision for Arithmetic Test

Daily Reading

**Y3 Learning Unit – Who were the greatest builders in the world?  
Subject Focus – History  
Autumn 2 2022**



**School Values**

**November:** Tolerance

**December:** Respect

**English**

**Text: The Magic and the Mummy**

**The Plot on the Pyramid**

Instructions on how to make a mummy  
Explanations of why they buried objects with their dead.

Non-chronological report: The building of a pyramid

**Daily Catch Up Phonics**

**Mathematics** (Maths No Problem)

Chapter 3: Multiplication and Division

Chapter 4: Further Multiplication and Division

**Pre-Teach Mathematics**

Chapter 3: Multiplication of 2,5,10

Chapter 4: Multiplication and Division of 2,5 and 10

**Religious Education**

Religion: Christianity

Themes: Christmas

Key Question: Has Christmas lost its true meaning?

**History**

Discovery of Lindow Man -The Bog Body

How long have people lived in Britain?

Where were the first towns and cities in the world?

Overview of first civilisations and changes in Britain from Stone Age to Iron Age

Timelines

Depth study of achievements of Ancient Egypt

Why do we remember Ancient Egypt more than Ancient Britain?

**Physical Education**

**Real PE Unit 2:** Social Skills Focus-

Dynamic Balance to Agility

**Coach Led:** Football

**Design and Technology**

Design a new death mask for Tutankhamun

Make Egyptian food

**Spanish**

Numbers to 60

Body Parts

Music: "Como planta usted las flores"

Birthday

Christmas

**Geography**

Locating Egypt

What is Egypt like?

**PSHE**

**Unit 2: Celebrating Difference**

Accept that everyone is different

Include others when working and playing

Know how to help if someone is being bullied

Try to solve problems

Try to use kind words

**Art and Design**

Celtic tradition patterns

Bridget Riley limited palette and patterns

**Computing**

**Unit 2:** Presenting (with Google Slides)

**Homework and Independent Learning**

My Maths (Internet)

Spelling Words (Spelling Book)

CGP English & Maths Book – 10

Minute Weekly Workouts

Independent reading at least 20 mins per day using MyOn – complete online quizzes on books within ZPD range

Revision for Arithmetic Test

Daily Reading

Year 4 - Learning Unit - What happens inside Us?  
Subject Focus - Science & PE  
Autumn 1 2022



**Possible Starting Points**

- Identifying Living and Non Living things
- How sports affect our body.

**Possible End Points**

- Presentation/recommendation to younger pupils.
- Information booklet.

**English**

- Making inferences about a character in the book- The Iron Man by Ted Hughes
- Character description
- Recounts through diary entries from the point of view of Hogarth and Newspaper Report.
- Describing settings using figurative devices
- Using Point, Evidence and Explanation technique (P.E.E)
- Using a wide range of sentence structures and punctuation marks
- Identifying determiners and pronouns
- Identifying sentences that are commands, imperatives, statements and exclamations

**Speaking and Listening**

- Debate
- Use of drama to develop atmosphere.
- Explaining points of view.
- Hot Seating
- Presentation
- Circle time

**Geography**

Where in the world does our food come from?  
(Map work)

**History**

Research the history of Captain Cook and Scurvy

**Science**

- Concept of living
- How do our bodies feel after exercise?
- The heart and pulse
- Science investigation – how exercise affects our bodies
- Organs of the body
- Skin, skeleton and muscles
- Digestive system
- Sorting food
- *Healthy eating*: The Brown family
- *Food labels*
- Teeth and Tooth decay
- Dental care
- Assessment

**Computing**

**Online Safety**

Avoiding (i) online identity theft, (ii) digital footprints and (iii) plagiarism; Identifying (i) the risks and benefits of installing software including apps, (ii) appropriate online behaviour, (iii) the importance of balancing game and screen time.

**Logo**

(i) Structure of the coding language of Logo(ii) writing simple instructions in Logo (iii) creating procedures in Logo.

**Mathematical Development**

- Number and Place Value
- Numbers to 10 00
- Calculations: Addition and Subtraction within 10 00 0

**Homework/Independent Learning**

- My Maths
- Purple Mash
- English and Maths 10 minutes Workouts
- Spellings

**Links to Core Values**

**Self - September**

- Self Esteem
- Self-Reliance
- Self-Respect

**PSHE**

- Being me in my world- How our attitudes and actions make a difference to the class team.
- How our actions affect others?
- How to care for other people's feelings

**Religious Education**

**Judaism**

***How special is the relationship Jews have with God?***

To understand the special relationship between Jews and God and the promises they make to each other.

**Physical Education**

- Real PE Scheme of work- Personal skills with a physical focus on Coordination: footwork and static balance.
- Cricket

**Music**

Sound Start

Life of Composer Samuel Taylor Coleridge  
(Black History Link)

**Art & Design**

- Pop Art Portraits (Black History Link)
- Revisiting the colour wheel
- Using line drawings and bold colours

Year 4 - Learning Unit - Should we stop eating Chocolate?  
Subject Focus - History and Geography  
Autumn 2 2022



**Possible Starting Points**

- Mmm...Chocolate
- Model map
- *Questions to investigate*

**Possible End Products**

- Presentation of chocolate product with advertising campaign
- Presentation/display materials from research findings.

**English**

- Making inference about character and settings in *Charlie and the Chocolate Factory* by Roald Dahl
- Descriptive Writing
- Instructional Text
- Explanations
- Letter Writing

**Speaking and Listening**

- Starting Point - Should we stop eating chocolate?
- Food labelling on chocolate wrappers
- Debate – If chocolate is unhealthy, should it be banned?

**History**

- Story of Chocolate
- Comparing Aztec, Mayan and Modern Chocolate.
- Christopher Columbus and the Aztecs – where were the Maya?
- Why do versions of events and people differ?

**Music**

- Soundstart

**Science**

- Food value of chocolate bar
- How does the chocolate become fuel/energy for our bodies?
- Which sugar dissolves first?
- Should we continue to eat chocolate as far as our teeth are concerned?
- Changes occur when materials are heated or cooled
- Research temperature
- Heating solid materials can cause irreversible changes
- Burning materials results in irreversible changes

**Mathematical Development**

- Calculations: Multiplication and Division
- Calculations: Further Multiplication and Division

**Geography**

- Where cacao trees grow- location maps
- What is needed to make a bar of chocolate?
- Physical and human geography – Features of Brazil, Cote D'Ivoire, Ghana and Indonesia.
- The rain forest- logging and land for farmers
- Interdependence and fair trading.
- Should we stop eating chocolate? (writing)

**Computing**

**Effective Searches**

Locating information on the search results page, conducting effective searches to find out information, assessing whether an information source is true and reliable.

**Animation**

Identifying what makes a good animated film or cartoon, creating animations by hand, creating animations by computer; onion skinning in animation, backgrounds and sounds, 'stop motion' animation.

**Religious Education**

**Christianity: What is the most significant part of the Nativity story for Christians today?**

Understand the symbolism in the Christmas story and think about what the different parts mean to Christians today.

**Links to Core Values**

**Forgiveness** – October  
**Tolerance** – November  
**Respect** - December

**PHSE**

**Celebrate Differences**

- Stereotypes
- Understanding and preventing bullying
- What's unique about me?
- First impressions and assumptions.

**Art & Design**

- Illustrate a poem about chocolate poem.
- Rainforest collage
- Aztec print borders

**Design & Technology**

- Market research
- Design and manufacture a prototype chocolate product
- Analysis and design of packaging
- Evaluation of final product

**Physical Education**

- Real PE Scheme of work
- Social Skills with a physical focus on dynamic balance to agility
- Jumping and landing static balancing
- Football and Swimming for 4.2

**Homework/Independent Learning**

- My Maths
- Purple Mash
- English and Maths 10 minutes Workouts
- Spellings
- J2 Blast

## Learning Unit – Year 5 - Why would someone build a castle here? Overview

### Subject Focus – History - Autumn 1 2022



**Starting Point**  
Cultural Heritage Week

**Visit**

Theatre Visit  
Trip to a castle.  
VR experience

**English**

**The Lion, The Witch and The Wardrobe**

- Character description
- Diary entry
- Letter Writing
- Narrative
- Monologues
- Persuasive Writing
- Poetry (Haiku)

**Speaking and Listening**

- Drama
- Class Discussion
- Research and presentation of facts
- P4C / Debate

**Music**

**Sound Progress**

Guitars

**Spanish**

- Introductions
- Sports
- Feelings

History

**What has World War One got to do with castles?**  
How did life change here for people like us during World War One?  
How did life change here for people like us during the Norman Conquest?  
Castle visit and follow up  
Why are the Norman Conquest and World War One called 'turning points' in our past?  
Why do people want to remember wars and castles?  
Black History Month

**Geography**

Use maps to locate countries involved in World War One and countries where battles fought using digital mapping, atlas and world map  
Locate castles in our region and the physical features and settlements in the area using digital mapping, maps of various scales.  
Virtual trip of a castle and local settlement. Sketch maps of location of castle in relation to settlement. Record evidence of changes over time in physical and human features of the landscape.

**Maths**

- Numbers to 10 million
- Place Value
- Comparing numbers within 10 million
- Rounding to the nearest thousand and estimation
- Multiplying by tens, hundreds or thousands
- Dividing by tens, hundreds or thousands
- Order of operations
- Word Problems
- Using heuristics models to solve multi-step word problems

**Computing**

- Databases
- Online Safety

**Links to Core Values**

September: Self (Esteem, Respect, Reliance),  
October: Forgiveness

PSHE Jigsaw Scheme

**Being me in my world**

Recognise how the actions of one person can affect another.

**Science/ Design and Technology**

Revision: Forces.

**RE**  
**Hinduism**

What is the best way for a Hindu to show commitment to God?

**PE**

Real PE Unit 1- Cognitive Skills with a physical focus on coordination Ball Skills & Agility Athletics (Coach from Sports Active)

**Homework and Independent Learning**

Google Classroom

10 Minutes English and Maths Workouts  
Daily Reading  
Weekly spellings and word definitions  
My Maths  
Purple Mash

**Art**

Skills: Drawing and shading techniques  
Artist: Paul Nash, Anna Airy, observational drawing.

**Learning Unit – Year 5 - Mysterious Materials- What is it made of?**  
**Subject Focus- Science**  
**Autumn 2 2022**



**Starting Point**

- Mysterious materials around us.

**Visit**

- Science Museum

**English**

**The Firework Maker's Daughter**

- Letter writing
- Setting description
- Explanation
- Poetry
- Newspaper report
- Diary entry
- Instructions
- Book Review

**Speaking and Listening**

- Drama
- Presentation
- Group discussions and interaction

**Computing**

Game Creator

**Music**

**Sound Progress**

Guitars

**Science**

Solids, liquids and gases

- Classifying materials
- Dissolving and separating insoluble materials
- Evaporation
- Recovering sugar
- States of Matter- Solids liquids gases
- Investigating cornflour
- Change of state
- Non reversible changes

**Maths**

- Like and unlike fractions
- Adding and subtracting unlike fractions and mixed numbers
- Fractions and division
- Converting fractions to decimals
- Word Problems

**Spanish**

- Likes/dislikes, preferences
- Opinions
- Connectives
- Alphabet
- Christmas

**Homework and Independent Learning**

Google Classroom

- 10 minutes English and Maths workouts
- Weekly spellings and word definitions
- My Maths and Purple Mash
- Reading record entries.

**Links to Core Values**

- November: Tolerance,
- December: Respect

**PSHE**

- Celebrating differences
- Accepting that everyone is different
- Include other when working and playing
- Knowing how to help when someone is being bullied
- Try to solve problems
- Try to use kind words

**R.E**

**Christianity**

**Is the Christmas story true?**

- Evaluate different accounts of the Christmas story
- Understand that stories can be true in different ways.
- Harvest Production.

**Art**

3D- Wire sculptures  
 Experimenting and manipulating wires using tools fastening techniques.  
 Creating animals' sculptures using wires  
 Artist: Alberto Giacometti

**P.E.**

Football  
 Real P.E. – Unit 2 -Creative Skills with a physical focus on seated, static balance & floor work



**Y6 Learning Unit- Out of This World  
Subject Focus- Science & Geography  
Autumn 1 2022**

**Science**

**I wonder...?**

- Position of the Sun
- Relative sizes of planets
- Names of planets
- Day and night
- Seasons
- Earth's orbit
- Moon's orbit
- Role Play
- Gravity and air resistance
- Memorise Science 'Killer Facts'

**English**

**Class text:** Romeo and Juliet & 1947

- **Writing genres:** Prologue; poetry; play scripts; instructions; letters; writing from another viewpoint.
- **Reading comprehension skills:** retrieving information, inference, prediction, context clues, use of language

**Maths**

- Algebra: expressions, substitutions, simplification
- Angles: Measuring, drawing, finding missing angles, predicting, reasoning.
- Nets: Identifying and investigating nets of 3D shapes
- Daily Maths Reasoning

**Geography**

**Growing up around the world – the great geographical challenge.**

- Locate countries on a world map
- Understand and empathise with some of the issues people are facing in different places around the world
- Interpreting, Analysing and presenting Information.
- Conduct research, present findings and think critically
- Geographical inquiry
- Increase knowledge and understanding of a key human rights issue around the world
- Critical Thinking and understanding of the problems people are facing around the world

**RE**

**Discovery RE**

- **Islam:** What is the best way for a Muslim to show commitment to God? The Five Pillars of Islam.
- **Theme:** Beliefs and Practices

**History**

- Black History Month – Two Sisters.
- Writing a letter in role; who was Sojourner Truth?
- Enrichment day based on figures from Black History.

**Links to Core Values**

**September:** Self: Self-esteem, self-respect, self-reliance

**October:** Forgiveness

**ART**

Cultural Heritage week: Flag of Me, Identitree.

**PSHE**

**Jigsaw:** Being Me in My World – rights, responsibilities, consequences and rewards.

**Computing**

**Purple Mash-**

6.2 Online Safety – 2 weeks

6.3 Spreadsheets – 4 weeks

**Homework/Independent learning**

- Weekly Maths and English workouts
- Weekly SPaG 10-minute test
- Spellings
- Weekly Reading Comprehension
- Weekly Maths sheets
- MyON

**PE**

- **Real PE** Unit 1: Ball Skills
- **Coach:** Football skills.

**Spanish**

School life; telling the time.

# Learning Unit- Has there been a better time to live?

## Subject focus- History

Autumn 2 2022



### History

#### Has there ever been a better time to live?

- Has there ever been a better time to live here?
- What makes a good life?
- What do other people think about whether there has ever been a better time to live here?
- What is good about living here now?
- What do I want in my future?

**Skills:** Historical Inquiry, Historical chronology, Interpretations of History through Past, Present and Future.

- **Living through a Pandemic**

### Maths

- **Inspire Maths**-3D shapes and nets  
Fractions (link to decimals and percentages)
- **Daily reasoning** – White Rose
- Arithmetic practise 2 x weekly

### Homework/Independent Learning

- Weekly Maths and English workouts
- Weekly SPaG 10-minute test
- Spellings
- Weekly Reading Comprehension
- Weekly Maths sheets

### Art and DT

Traditional paper Christmas decorations (link to History and Maths)

### Geography

Geography in the News – issues local, national, world

Recognise that there are specific rights and responsibilities for children.

Locational knowledge of World, Europe and UK

### English

**Class Text-** Wolves of Willoughby Chase by Joan Atkin

**Writing genres:** Non-fiction, balanced argument, persuasive advert, letters, description

**Reading comprehension skills-**UUSA, PEE

**GPS:** Modal verbs, Passive and Active voice, Relative clauses, Past perfect, present perfect- verb tense agreement

### PSHE

**Jigsaw Scheme:** Celebrating Difference - Explain ways in which difference can be a source of conflict or a cause for celebration. Show empathy for people in situations of conflict.

**Anti-Bullying week:** United Against Bullying –starting with Odd Socks Day.

### Science

**Investigation:** Insulators and Conductors  
Revision of **Electricity**

**Investigation:** Brightness of a bulb or the volume of a buzzer

### Link to Core Values

**Tolerance:** November

**Respect:** - December

### Computing

#### Computing:

Google Spreadsheets

Introduction to Google Spreadsheets  
Basic Calculations  
Modelling  
Organising Data  
Advanced Formulae  
Charts and Graphics

### RE

**Discovery RE: Christianity** – the significance of Mary. Do Christmas celebrations and traditions help Christians understand who Jesus was and why he was born?

**Theme:** Christmas

**Concept:** incarnation

### PE

- **Real PE** Unit 2: Creative Skills
- **Coach:** Athletics and Gymnastics