

**Y3 Learning Unit – Bright Sparks  
Subject Focus – Science  
Autumn 1 2021**



**Starting points**

I wonder how a lightbulb works...

**End Product**

Exhibition of light sculptures

**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 Y3)

Chapter 1 -Numbers to 1000

Chapter 2 - Addition

**Pre-Teach Mathematics** (Maths No Problem Y2 )

Chapter 1 - Numbers to 100

Chapter 2 - Addition

**Religious Education**

**Sikhism**

Does joining the Khalsa make a person a better Sikh?

The Amrit Ceremony

How important is sharing to Sikhs?

**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**

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

Focus: Coordination Skills

**Session 2: 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"

**School Values**

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

**October:** Forgiveness

**PSHE/P4C**

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

Rights and responsibilities within school

School Rules

What is Forgiveness?

**Design & Technology**

Incorporate electrical components through Light installations.

Squidgy Circuits

**Black History Month**

Steel Pans

Afro Beat Zumba

Class Book – 'I was There, Ira Aldridge'

& Hidden Figures

Enrichment Day

**Computing**

**Typing**

Learning to type, bottom and top row keys

How to use Google Classroom

**Homework and Independent Learning**

My Maths

Spelling Words (Spelling Book)

CGP English Workout

CGP Maths Timetables Workout

Revision for Mental Maths Test

Daily Reading

MYOn Reading

**Y4 Learning Unit – What happens inside Us?**  
**Subject Focus – Science & PE**  
**Autumn 1 2021**



**Starting Points**

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

**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

**Homework/Independent Learning**

- My Maths
- Purple Mash
- English and Maths 10 minutes Workouts
- Spellings
- J2 Blast – Times Tables
- MyON and Accelerated Reader

**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
- Jigsaw activity
- Digestive system
- Food labels
- Teeth
- Tooth decay
- Dental care
- Revisit science investigation
- Quiz
- Memorise science 'Killer Facts'

**Computing Learn to Code 1**

- Enter Swift commands to move Byte across the puzzle world.
- Evaluate and correct mistakes
- Adding new commands.
- Understanding and using Toggling Switch
- Finding and fixing bugs

**Mathematical Development**

- Unit 1- Numbers up to 100,00
- Unit 2- Rounding whole numbers to the nearest 10 and 100
- Unit 2- Factors and Multiples  
Inspire Maths Autumn assessment

**History**

- Black History
- Enrichment Days

**Geography**

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

**Links to Core Values**

**Self- September**

- Self Esteem
- Self-Reliance
- Self-Respect

**Forgiveness- October**

**PSHE**

**Jigsaw scheme of work**

- 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

**RE**

**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.

**PE**

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

**Music**

Sound Start winds and percussion

**Art**

- Revisiting the colour wheel
- Using line drawings and bold colours

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

### Subject Focus – History - Autumn 1 2021



**Starting Point**  
Cultural Heritage Week

**Visit**  
Virtual Trip to a castle. VR experience

**English**

The Firework Maker's Daughter

- Reading comprehension
- Character description
- Diary entry
- Newspaper report
- Understanding vocabulary in context
- Inference skills
- Spellings weeks 1-7.
- *Guided Reading, Story time*

**Speaking and Listening**

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

**Music**

Sound Progress – Guitars

- Learn note C and D on instruments
- Perform a piece with C and D notes
- Revise chord G on instrument
- Revise Chord Em on Instrument
- Combine Chords G and Em

**Spanish**

- Numbers 1000
- Personal information
- 3rd person
- Nationalities- masculine,
- feminine, ID card/passport,
- Weather expressions and
- compass directions

**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**  
**Online Safety Unit 2**

To gain a greater understanding of the impact that sharing digital content can have.  
 To know how to maintain secure passwords.  
 To learn about how to reference sources in their work

**Links to Core Values**

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

**PSHE Jigsaw Scheme**

Being me in my world  
 Helping others to feel welcome  
 Trying to make my school a better place  
 Thinking about everyone's right to learn  
 Caring about other people's feelings

**Science/ Design and Technology**

Recapping forces, constructing catapults (project).

**RE**

Investigate how Hindus show their commitment to God  
 Worship at home  
 Worship in the Temple

- Pilgrimage – Hindus Sacred Places

**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.

**Y6 Learning Unit- Out of This World  
Subject Focus- Science & Geography  
Autumn 1 2021**



**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

- **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-** Unit 6.1-Coding.  
Programme used- 2code

- To explore how 2Code can be used to make a text-based adventure game.
- To use flowcharts to test and debug a

**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.