



**Learning Unit – Year 3 – Bright Sparks**  
**Subject Focus – Science**  
**Autumn 1 2019**

**Starting points**

- Undergo training to be a “Bright Spark”
- Make a collection of battery-powered toys

**End Product**

- Exhibition of houses with demonstrations and explanations

**English**

**Narrative:** The True Story of Three Little Pigs.  
Exploring points of view in the story.  
Traditional Tales told from another point of view.  
Recount of the trip  
Drama through hot seating  
Guided Reading and Story Telling

**Mathematics**

(Inspire Maths)

**Unit 1:** Numbers to 10 000 and place value

**Unit 2:** Addition to 10 000

**Unit 3:** Subtraction to 10000

**Daily Reasoning Question**

**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”

**Physical Education**

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

**Session 2: Coach Led:** FUNdamental Skills  
Assessment

**Religious Education: Sikhism**

Does joining the Khalsa make a person a better Sikh?  
The Amrit Ceremony  
How important is sharing to Sikhs?

**History**

Homes before electricity (also link to homes without  
electricity today)  
**Visit:** Science Museum

**Science**

- 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?
- Static electricity
- Trip to the science Museum

**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  
Democracy and Citizenship  
What are British Values?

**Design & Technology**

- Design and make Three Little Pigs houses using different materials
- Incorporate electrical components.

**Computing**

Coding and Debugging- learning how to use code to programme an object. How to debug

**Homework and Independent Learning**

My Maths (Internet)  
Spelling Words (Spelling Book)  
KS 2 10 min Weekly Workout Maths and English  
Number Bonds and Multiplication Tables  
Reading  
Independent Reading: At least 20 minutes per day.

Learning Unit – Year 3 - Who Were the Greatest Builders in the World?  
Subject Focus – History  
Autumn 2 2019



**Starting point**

The Mystery of the Body in the Bog

**End Products**

Group display/presentation

**Physical Education**

**Session 1: Real PE: Unit 2:** Social Skills Focus-  
Dynamic Balance, Agility and Static Balance

**Session 2: Coach Led:** Football

**School Core Values**

**October:** Forgiveness

**November:** Tolerance

**December:** Respect

**English**

**Text: Awesome Egyptians**

Instructions on how to make a mummy

Explanations why they buried objects with their dead.

Persuasive Arguments – Life was great in Egyptian time .Discuss.

**Religious Education:**

Christianity

Has Christmas lost its true meaning?

What does Christmas mean to Christians?

**History**

- Ancient Egypt In-depth study of achievements of Ancient Egypt
- Pyramids
- Timelines
- Looking at artefacts
- Importance of the river Nile
- The Egyptian Ritual of Mummification
- Tutankhamun and discovery by Howard Carter

**Visit:** British Museum

**PSHE/P4C**

Celebrating Difference What makes us different?

How difference enriches our lives.

Anti-Bullying focus

**Art and Design**

Egyptian Masks and Paintings

Colour wheel. Primary and secondary colours.

**Computing**

Coding and Debugging- learning how to use code to programme an object.

How to debug programmes

**Homework and Independent Learning**

My Maths (Internet)

Spelling Words (Spelling Book)

Spelling, Punctuation and Grammar Exercises

- Number Bonds and Multiplication Tables
- Reading

**Mathematics** (Inspire Maths)

**Unit 4:** Solving Word Problems 1: Addition and Subtraction

**Unit 5:** Multiplying by 6,7,8 and 9

**Unit 6:** Multiplication

**Daily Reasoning Question**

**Science: Engineering Focus**

Moving Heavy Objects: Shaduf .How they moved water.

**Spanish**

Numbers to 60

Body Parts

Music: "Como planta usted las flores"

Birthday

Christmas

**Geography**

**Map Work:**

Locating Egypt. Where is it in the world?



**Learning Unit –Year 4 - What happens inside Us?**  
**Subject Focus – Science & PE**  
**Autumn 1 2019**

**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
- 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

**Art for 4.2**

- Figure drawings
- Picasso style portraits- abstract
- Revisiting the colour wheel
- Using line drawings and bold colours
- Triptychs in different mediums-pastel, paint, collage

**Speaking and Listening**

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

**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
- Sorting food
- *Healthy eating*
- The Brown family
- *Food labels*
- Teeth
- Tooth decay
- Dental care
- Revisit science investigation
- Quiz

**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 3- multiply/divide by a 2-digit number
- Word problems
- Inspire Maths Autumn assessment

**Homework/Independent Learning**

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

**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 and Swimming 4.1

**Music**

**SoundStart** – Guitars, Wind, Percussion

**Learning Unit – Year 4 - Should we stop eating Chocolate?**  
**Subject Focus – History and Geography**  
**Autumn 2 2019**



**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

**Drama/Speaking and Listening**

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

**History**

- Story of Maya & Aztec chocolate and Europe
- Research – Columbus, Hernando Cortez and the missing Maya Interpretations of the past

**Music**

- Soundstart – Guitars, Wind, Percussion

**Science**

- Dissolving investigation
- 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\*
- Temperature is a measure of hot and cold
- Heating solid materials can cause irreversible changes\*
- Burning materials results in irreversible changes\*
- Memorise Science 'Killer Facts'

**Mathematical Development**

- Unit 3: multiply/divide by a 2-digit number word problems
- Unit 4: Tables and line graph con. reading and drawing
- Unit 5: Fractions
- Daily Reasoning Question

**Geography**

- Where cacao trees grow- location maps
- Physical and human geography
- Destruction of the rain forest
- Interdependence and fair trade from cocoa beans to chocolate bars.

**Computing – Online Safety**

- How to protect from online identity theft.
- Risks and benefits of installing software including apps.
- Understanding plagiarism and its consequences.
- Identify positive and negative influences of technology on health and the environment.

**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**

- Accept that everyone is different.
- Include others when working and playing.
- Know how to help if someone is being bullied.
- Problem solving.
- Know how to give and receive compliments.

**Art for 4.1**

- Figure drawings
- Picasso style portraits- abstract
- Revisiting the colour wheel
- Using line drawings and bold colours
- Triptychs in different mediums-pastel, paint, collage.

**PE**

- 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 2019**



**Starting Point**

World War One centenary commemorations

**Visit**

Bodiam Castle

**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

**Music**

- Sound Progress – Guitars
- Reading musical notes

**Spanish**

Reinforcement of Yr 4  
 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 I?
- Battle of Hastings
- Why do we have castles in England?
- Main Features of castles and how they develop
- How did life change here for people like us during the Norman Conquest?
- Why are the Norman Conquest and World War One called 'turning points' in our past?
- Why do people want to remember wars and castles?

**Geography**

- Use of Atlas to locate countries involved in the Norman Conquest of England and World War One
- Sites of castles in our region
- Investigate the best place to build a castle

**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
- ***Daily Reasoning Question***

**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: Responsibility,
- November: Tolerance, December: Respect

**PSHE**

- Being me in the world
- Self and forgiveness

**Design and Technology**

- Constructing catapults/ WW1 helmets

**RE**

- Investigate how Hindus show their commitment to God
- Worship at home
- Worship in the Temple
- Pilgrimage – Hindus Sacred Places

**PE**

- Dance
- Real PE Unit 1- Cognitive Skills with a physical focus on coordination Ball Skills & Agility

**Homework and Independent Learning**

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

**Art**

Drawing techniques Looking at the different types of lines  
 Collect visual information from Hundertwasser images to develop ideas  
 Create and improve their own Hundertwasser drawings

**Learning Unit – Year 5 - Mysterious Materials- What is it made of?**  
**Subject Focus- Science**  
**Autumn 2 2019**



**Starting Point**

- Mysterious materials around us.

**Possible Visit**

- Science Museum/Hertsmonceux

**English**

- The Lion, the Witch and the Wardrobe
- Letter writing
- Setting description
- Explanation
- Poetry
- Newspaper report
- Diary entry
- Story writing
- Spellings: week8-15
- Guided Reading, Story time
- Reading comprehension

**Speaking and Listening**

- Drama
- Presentation
- Group discussions and interaction

**Music**

- Sound Progress - Guitars

**Spanish**

Likes/dislikes, preferences  
 Opinions  
 Connectives  
 Alphabet  
 Christmas

**Science**

Solids, liquids and gases

- Classifying materials
- Using the correct scientific vocabulary
- Making predictions about materials (soluble or dissoluble?)
- Evaporation

**Maths**

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

**Computing**

Coding:

To use the design to create a program. To design and write a program that simulates a physical system. To review the use of number variables in 2Code. To create a playable, competitive game. To create a program to inform others.

**Art**

- Wire sculptures- Exploring new art techniques:
- Experimenting and manipulating wires using tools fastening techniques.
- Creating animals sculptures using wires

**Homework and Independent Learning**

- 10 minutes English and Maths workouts
- Weekly spellings and word definitions
- My Maths and purple mash

**Links to Core Values**

- October: Responsibility,
- November: Tolerance,
- December: Respect

**PSHE**

- Celebrating differences
- Anti-bullying
- Solving friendship problems
- Know how to give and receive complements

**Design and Technology**

- *Make lolly containers*

**R.E**

Christianity

- Evaluate different accounts of the Christmas Story
- Question the factual side of the Christmas Story
- Understand that stories can be meaningful whether or not they are true

**P.E.**

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

**Learning Unit -Year 6 - Out of This World: Overview**  
**Subject Focus: Science**  
**Autumn Term 1 2019**



**Starting points**

The year is 2050. Your class have been commissioned to investigate and explore the problems and solutions that could be encountered in sending thirty people into space for five years. (Link to issues such as global warming and population levels)

Imagine classroom as a spaceship. Pupils are space explorers seeking information about a "mysterious" planet called Earth. Set "Space missions" to be completed during duration of learning unit.

**End product**

- Shared work on Google Drive
- Garage Band compositions saved to file
- P4C questions created through collaborative work
- Space ship logos display in classrooms
- Core Values display

**PSHE**

Jigsaw Scheme: 'Being Me in My World': understanding how my choices can have an impact on others (link to 'space missions' activities); should children work on plantations?

**PE**

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

**Science**

- Position of the Sun
- Day and night
- Earth's orbit
- Moon's orbit
- Role Play
- Moon shapes
- Relative sizes of planets
- Gravity
- Names of planets
- Investigating insulation
- Rocks and soils
- Memorise Science 'Killer Facts'

**Computing and Music**

- Use of Garage Band on iPads
- Using music to communicate
- Space music composition

**Homework and independent learning**

- Research science topics
- Observe the moon changing
- Design an alien on Purple Mash
- Talk homework: orbits

**Art**

- Design a space ship logo
- Research design possibilities using Chrome Books

**Link to Core Values**

- Responsibility: living and learning together
- Self-reliance: surviving a space mission
- Self-esteem: having a voice within a group; link to PSHE topic of Being Me in my World

**Speaking and Listening**

- P4C sessions exploring living alongside others
- Choosing a crew: job interviews
- Debate space missions
- Ethics of child labour: persuasive speaking

**Numeracy Links**

- Distance/light years – place value
- Time and Distance
- Relative sizes of Earth, Moon and Sun
- Mission logistics

**Literacy Links**

- Job descriptions
- Instructions
- Researching the solar system
- Researching design principles
- Writing from different perspectives
- Describing unknown places

Learning Unit -Year 6 – Let's Go Round Again: Overview  
Subject Focus: Geography/PSHE  
Autumn Term 2 2019



**Possible starting points**

Think about the rights we have as human beings and why these rights are important. Do children have different rights from children? Who gives us these rights? What happens if people have their rights taken away from them?

Compare the lives of children in our own country with those of other children from around the world – draw on children's prior experience as well as knowledge gained from watching programmes such as Newsround

**Possible End product**

Presentation of findings to peers.  
Topic display using world map.  
P4C questions created through collaborative work  
Electricity circuits display as science revision  
Core Values display

**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.

**PE**

- Real PE Unit 1: Creative Skills
- Coach: Athletics and Gymnastics

**Homework and Independent Learning**

- My Maths to cover maths topics taught and revision for assessment.
- Purple Mash reading comprehension.
- Spellings

**Geography**

- 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
- Recognise that there are specific rights and responsibilities for children.
- Critical Thinking and understanding of the problems people are facing around the world

**Science**

- Identify common appliances that run on electricity
- Construct a simple series electrical circuit, identifying and naming basic parts: cells, wires, bulbs, switches and buzzers
- Identify whether a lamp will light in a simple series circuit
- Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- Recognise some common conductors and insulators
- Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
- Use recognised symbols when representing a simple circuit in a diagram

**RE**

Discovery RE: Christianity – the significance of Mary.

**Link to Core Values**

- Involvement: awareness of global issues and how difference impacts on lives
- Respect: understanding that people's lives are different and having empathy for children in difficult situations.

**Speaking and Listening**

- P4C sessions exploring human rights and difference
- Project presentations

**Numeracy**

- 3D shapes and nets
- Fractions (link to decimals and percentages)

**Literacy Links**

- Wolves of Willoughby Chase – Class Text
- Writing genres: Non-fiction, balanced argument, persuasive advert, letters, description
- Reading comprehension skills

**Spanish**

Home and furniture; differences between Britain and Spain.

House and Furniture revision - Christmas