



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?

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

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.

Science: Engineering Focus

Moving Heavy Objects: Shaduf .How they moved water.

Computing

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

Geography

Map Work:

Locating Egypt. Where is it in the world?

Spanish

Numbers to 60
Body Parts
Music: "Como planta usted las flores"
Birthday
Christmas

Homework and Independent Learning

My Maths (Internet)
Spelling Words (Spelling Book)
Spelling, Punctuation and Grammar Exercises

- Number Bonds and Multiplication Tables
- Reading



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 insoluble?)
- 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 compliments

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