

Edison Learning – Connected Curriculum Autumn Term



Year 3 Learning Unit – Bright Sparks: Overview

Subject Focus – Science

Possible Starting Points

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

Possible End Product

- Graduation ceremony of “Bright Spark”
- Exhibition of houses with demonstrations and explanations

Computing

- Safety with electricity
- Control
- Word processing
- Exploring websites

History

- Homes before electricity (*also link to homes without electricity today*)
- Inventors

Geography

- *Thunderstorms (link to climate e.g. other countries)*

Music

- Storm
- Creating sound effects

Science

- I wonder...?
- Lighting up a bulb
- Electrical conductors
- Switches
- Lighting up a picture
- Concept map magnets
- Magnetic materials
- Static electricity
- Finding out about magnets
- Memorise Science ‘Killer Facts’

Design & Technology

- Design and make Three Little Pigs houses
- Incorporate electrical components, furniture and décor
- Design and make a magnet game

Sketch Book

- Using sketch pencils
- Using pastels

Art

- Observational drawing
- Create a picture/scene

Link to Core Value

- Responsibility
- Wisdom
- Justice
- Integrity
- Compassion

PSHE

- Safety with electricity
- Making choices
- Consequences
- *Responsible citizens*
- *Houses of the future (world view)*
- *The future (world view)*

Literacy Links

- *True Story of the Three Little Pigs*
- Write newspaper report
- Explore play scripts

Speaking and Listening

- *Discussion – Are all wolves bad?*
- Questions
- Group planning
- Question and interviewing ‘witnesses’
- Demonstrating and presenting

Drama

- Safety with electricity
- Dialogue

Homework and Independent Learning

- Safety poster
- Electrical appliances
- Switches

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Year 3 – Learning Unit – Who were the greatest builders in the world?: Overview

Subject Focus – History

Starting point

The Mystery of the Body in the Bog

Possible End Products

- Group display/presentation

Possible Visits

- British Museum
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Literacy Links

- Researching life in ancient Egypt

Speaking and Listening

- Fact or opinion
- Presentation

Drama Role-play as CSI and Cold Case detectives

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PSHE

- *Slaves*
- *A new slave is needed*
- *For sale*

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
- Depth study of achievements of Ancient Egypt
- Timelines

Geography

- *Locating Egypt*
- *What is Egypt like?*

Design and Technology

- Make Egyptian food

Art and Design

- Celtic tradition patterns
- Bridget Riley limited palette and patterns

Links to Core Values

- Respect – the past
- Responsibility – preserving artefacts from past
- Hope –
- Justice –
- Wisdom – Egyptians as scientists, mathematicians.

ICT

- Text and graphics
- Email
- Web book
- Write your name in hieroglyphics

Numeracy Links

- *Rainfall graphs*
- Simple sums
- Measure

Science

- Germinating and growing
- Testing bricks
- Moving heavy objects
- Memorise Science 'Killer Facts'

Homework/Family Learning Opportunities

- Write a simple message in hieroglyphics

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Year 4 – Learning Unit – Learning Unit – Audio Visual – How do I see? How do I hear? : Overview

Subject Focus – Science

Possible Starting Point

- Letter from Edi

Possible End Products

- Write a reply to Edi
- Perform a 'Stomp' concert
- Create an audio/visual file of work
- Design and make ear muffs for Edi

Computing

- Word processing/border
- Emotions of sound
- Research
- Data logging equipment
- Branching database
- Explore sound and light in Revisewise

Sketch Book

- Using sketch pencils
- Emotions of colour

Art

- Using shadows
- Silhouettes and landscapes
- Abstract painting
- Lettering
- Distorted reflections

Science

- I wonder...?
- Investigating materials
- How do we see?
- Shadows
- Reflection
- Challenges using mirrors
- Sounds are made when objects vibrate
- Seeing vibrations
- Feeling vibrations
- Vibrations from sound sources travel through medium
- Sound insulation
- Pitch and loudness
- Exploring refraction, reflection, colour

Literacy Links

- Creative writing/poetry
- Instructional writing
- Onomatopoeia
- Letter writing

PE/Dance

- Shadows
- Stomp

Speaking and Listening

- Giving instructions
- Group planning
- Debate

Core Values

- Courage
- Respect
- Compassion
- Hope
- Wisdom

PSHE

- *Walk of trust*
- *Communication*
- *Research*
- *Mr Holland's Opus*

Design & Technology

- Design and make ear muffs

Music

- Using ICT to explore musical sounds
- Stomp
- Quiz

Numeracy Links

- Symmetry
- Graphs from data logging

Homework and Independent Learning

- Be visible in the dark
- Secret messages
- Sounds at home
- Draw an eye
- Flick books



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Year 4 Learning Unit – Why Do We Speak English At School? – Depth Local Study of Romans or Anglo-Saxons or Vikings Overview

Subject Focus – History

Possible Starting Points

- Why do we speak English at school? Where did English come from?
- Invitation to fulfil a contract from an archaeology consultancy

Possible End Product

- An exhibition for an audience
- Written report on interpretation of artefacts
- Two minute digital recordings

Design and Technology

Sketch book

- Artefacts from landowner's dig

Art and Design

- Sketching
- Make clay pots

Computing

- Use digital cameras
- Branching database
- Word processing/combining text and graphics
- Exploring websites
- Information sheet
- Create a quiz

PE

History

- **Overview: Development of the English language from Iron Age to Norman conquest**
- **Overview of the invasions by the Roman Empire, the Anglo-Saxons, Scots and the Vikings**
- **Letter and contract from archaeology consultancy**
- **Interpretation of artefacts**
- **Depth period study: What do we need to find out?**
- **Exhibition & presentations, report, reconstructions of artefacts, two-minute digital recordings of explanations**

Science

- Sail power
- Memorise Science 'Killer Facts'

Homework/Independent Learning

- Learn key dates
- *Why do people move away from where they were born?*
- How has language changed since you were a child?

Links to Core Value

Wisdom

Respect

Integrity

Responsibility

Geography

Locate countries in Europe and United Kingdom

Use maps of different scales

Use 8 points of compass and four-figure grid references

Numeracy Links

- Roman Numerals

Literacy Links

- Asterix stories, *Beowulf*, Norse myths
- Anglo-Saxon kennings
- *Our Word House game from World Studies 8-13*
- Research
- Report writing

Speaking and Listening

- Group/class discussion
- Presentation

Drama

The Roman Invasion



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Year 5 Learning Unit – Mysterious Materials: Overview

Subject Focus – Science

Possible Starting Point

- Class undergo training in order to become a 'Materials Scientist'

Possible End Products

- Reports and presentation to various bodies
- Quiz
- Graduation as 'Materials Scientist'

PSHE

- *Pollution and recycling*
- *Mixtures*
- *Life cycles*
- Courage and wisdom

Computing

- *Researching plastic*
- Revisewise
- *Research common gases*
- Interactive challenges
- Data logging
- PowerPoint presentation to Highways Agency

Design and Technology

- *Make lolly containers*

History

- *Research the invention of plastic*

Science

- Quiz (part1)
- Trainee Materials Scientists
- Key terms
- *Classifying materials*
- *Problem – sustainable carrier bags*
- Dissolving
- Separating insolubles
- Evaporation
- Recovering sugar
- Evaporating perfumes
- Solids, liquids, gases
- Cornflour slime
- Gases
- *Keeping it cool*
- Non-reversible changes
- Big separation problem
- Quiz (part 1 and 2)
- Memorise Science 'Killer Facts'

Sketch Book

- Patterns
- *Patchwork – materials*
- Drawing 3D shapes

Art

- Wire sculptures

P.E.

- Role play solids, liquids, gases

Links to Core Values

- Integrity
- Respect
- Responsibility
- Courage
- Wisdom

Literacy Links

- Scientific report
- Glossary of scientific terms
- Making jelly
- News report
- Observational record

Speaking and Listening

- *Debate*

Numeracy Links

- Measure
- Reading scales
- Graphs
- 3D shapes

Homework and Independent Learning

- Plastics around the home
- Changing materials
- Solids, liquids and gases at home

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

Subject Focus – History

Possible Starting Point

Possible End Product

Collaborative letters to The Royal British Legion and the organisation responsible for conserving the local castle PLUS feedback from the Headteacher and Chair of Governors

Possible Visit

- Castle

Literacy Links

- Historical fiction reading & writing
- Instructions, Explanation and Letter writing
- Evaluating poetry

Speaking and Listening

- **Why are the Norman Conquest and World War One called 'turning points' in our past?**
- **Why do people want to remember wars and castles?**

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?**
- **What was life like in other countries during World War One?**

Design and Technology

- Design and make a template of a helmet for a child to make and wear at the castle

Science

- Catapult investigation

Geography

Location of

- countries involved in the Norman Conquest of England and World War One
- sites of castles in our region
- using field trip, atlases, aerial photographs and maps of various scales

Art and Design

- Work of WW1 war artists – Anna Airy, John Singer Sargent, John and Paul Nash

Music

- WWI songs listen

Links to Core Values

- Wisdom – good judgement
- Responsibility – *carrying out a group role*
- Courage – *uncertainty of life in the past (link to present for many people)*
- Compassion – *caring for one another*

PSHE

- Keeping safe
- Code of conduct
- Team work

Role play

- Norman advisers to William of Normandy after the Battle of Hastings and rebellions across England

Homework and Independent Learning

- **Why are the Norman Conquest and World War One called 'turning points' in our past?**
- **Why do people want to remember wars and castles?**

PE

Dance/Movement

- Marching
- Group dance

Games

- Target games
- Invasion games
- Tug of war

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Year 6 Learning Unit – Out of this World: Overview

Subject Focus – Science

Possible 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)*
- Turn classroom into 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.

Possible End Product

- Presentation of findings to Government Ministers (PowerPoint).
- Hold a competition for the best air powered rocket.
- Group Learning Unit booklets containing reports from experiments, information collected, stories written etc.

PSHE

- *Living together in a spaceship*
- *Keeping safe and healthy*
- *Eating and drinking*
- *Roles and responsibilities*
- Job description
- Interviews

P.E./Dance

- Moon walking
- Alien movements

P.E.

- Compose and perform dance in response to Planet Suite.

Art

- Design and make a soft sculpture of an ‘alien’
- Design a logo for the spaceship
- “Out of this World” painting

Science

- *I wonder...?*
- *Enough water*
- *Investigating evaporation and condensation*
- *Water cleaning*
- **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**

Design & Technology

- Design, make and launch an air powered rocket
- Design a home for an alien

Computing

- Data logging
- Research
- Simulation (movement of planets)
- Control
- Space story – word processing
- Databases
- PowerPoint presentation

Music

- Music to communicate.
- Space music composition

Link to Core Value

- Courage – of astronauts
- Responsibility – of living and learning together
- Hope – Vision of space travel planners
- Compassion – Space shuttle disaster
- Integrity – Balancing long-term gains with short-term risk
- Wisdom – of scientists and technicians who made space travel possible

Literacy Links

- Space poetry
- Sea Bean
- Glossary of terms
- Job advertisements, description and person specification
- Letter of application
- Instructions
- Play script
- Description of an alien
- Space mission adventure story

Speaking and Listening

- Debate space missions
- Living together in a spaceship (PSHE)
- Interviews

Numeracy Links

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

Homework and Independent Learning

- Make an alien from recyclable materials and hold an exhibition with presentation
- Teach parent/carer orbits
- Keep a moon-shape diary over a month
- Planet word search
- Design a spacesuit
- Alien home