

# Year 5 Autumn

## Curriculum Overview

**Science**  
*Which material would you choose?*  
**Knowledge:** Can compare and group materials based on properties. Know why certain materials are chosen for particular jobs.  
**Investigation:**  
**Skills:** Observing, fair testing, measuring, repeat measuring, recording, classifying.

**History**  
*How did we live in the Stone age?*  
**Knowledge:** Know the timeline for the Stone & Iron Age. Know the key features of the period and what changed.  
**Skill:** Ask historical questions. Use a range of sources.

**Geography**  
*Can you locate key Stone age and Iron Age sites?*  
**Knowledge:** Know how civilizations used particular natural sources. Understand their settlements and use of land.  
**Skills:** Using an Atlas, maps and digital mapping to locate sites.

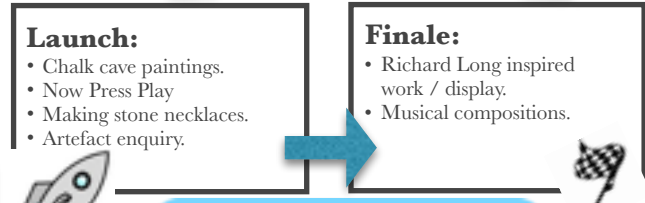
**PHSE**  
*Structure: Law + Order*  
*UN Rights*  
*Online Relationships*  
*Drugs + Alcohol*

**ICT**  
*DL*  
**LGFL Cyberpass**  
**Typing Skills - Nessy Fingers.**


**Literacy**  
**Text:** Stig of the Dump  
**Story:** Play writing  
**Poetry:** Clerihews  
**Non-fiction:**

### Autumn 1

#### Meet the Flintstones



**Maths** *How much wood will Stig need to make his window frames?*  
**Number:** Place value incl. decimals. Written addition & subtraction.  
**Geometry:** Angles.  
**Statistics:** Addition and subtraction within data.  
**Measures:** Perimeter.

 **Among the Standing Stones.**  
 Investigating tools.



**PE**  
**Games: Hockey - Sports coach**  
**Games 2: Netball**

**French**  
 On the way to school (Unit 15).

**RE**  
*What are the Miracles of Jesus?*

**Music**  
*How do I create cyclical patterns?*  
**Recorders:**  
**Appraising:** African and modern.  
**Composition:** Cyclical patterns.

**Art & DT**  
*How can we use natural objects to create art?*  
**Artist:** Richard Long  
**Focus:** Collage / sculpture - natural resources  
**Skill:** Design / patterning / decision making  
**Project:** Large class designs.

 Mutual respect and tolerance. Rule of Law  
 Stone Age / Recycling

 **What's in the News Today?**

**Science**  
*Why do things fall?*  
**Knowledge:** Know the force gravity acts on unsupported objects. Know the effects of the force friction.  
**Investigation:**  
**Skills:** Planning enquiries, observing, fair testing, measuring, repeat measuring, recording, classifying.

**History (cont.)**  
*Can you find the changes from the Stone age to the Iron Age?*  
**Knowledge:** Know the timeline for the Stone & Iron Age. Know the key features of the period and what changed.  
**Skill:** Ask historical questions. Use a range of sources.

**Geography**  
*Can you locate key Stone age and Iron Age sites?*  
**Knowledge:** Know about how civilizations used particular natural resources.  
**Skills:** Using an Atlas, maps and digital mapping to locate sites.

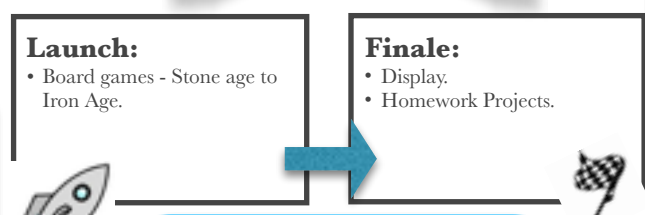
**PHSE**  
**Death + Grief**  
**Managing Conflict**  
**Community**

**ICT**  
*CS*  
**Espresso Coding - Unit 5a - speed, direction and co-ordinates.**

**Literacy**  
**Text:** Stig of the Dump (cont).  
**Story:** Setting Description.  
**Poetry:**  
**Non-fiction:** Information texts.

### Autumn 2

#### The Iron Age



**Maths**  
**Number:** Mental multiplication & division. Division. Fractions - compare, order, equivalence  
**Statistics:** Tables & timetables.  
**Measures:** Area. Time.



**PE**  
**Games 1: Tag Rugby - sports coach.**  
**Games 2: Basket ball**

**French**  
 Beach scene (Unit 16).

**RE**  
*What was Jesus' new commandment and what are the 2 greatest commandments? (2 weeks)*  
*What does Christmas mean today?*

**Music**  
*How do I create rounds?*  
**Recorders:**  
**Appraising:** Songs in rounds and cannons.  
**Composition:** Creating rounds.

**DT - link to science**  
*How can*  
**Skill:** Design, make, adjust, evaluate.

 Mutual respect and tolerance.  
 Mental Maths

 **What's in the News Today?**

# Year 5 Spring

## Curriculum Overview

### Science

*How can I use forces to help me?*

**Knowledge:** Know the effects of air and water resistance. Know the effects of mechanisms such as levers, pulleys and gears.

**Investigation:** Which material works best for a parachute?

**Skills:** Planning enquiries, measuring, recording, predicting, drawing conclusions.

### Geography

*Can you tell the story of a river?*

**Location Knowledge:** Locate the river Thames and Medway and the counties they flow through. Know how a river forms, use of land along a river (relate to Arethusa), the water cycle. Compare and contrast the rivers and changes in human use.

**Skills:** Using maps in orienteering, use the 8 points of a compass, observe and measure in a river study. 6 figure grid. Using OS maps.

### PHSE

*What makes a good team player? What is it like to belong to a group?*

**Puberty**  
**Healthy Lifestyles**  
**Tabacco + Substance abuse.**

### ICT

CS / IT

**Yr 5 RS Unit 5 - We are bloggers. Espresso coding - Unit 5b - Random numbers and simulations**

## Spring 1

Total Wipe Out Challenge

### Literacy

**Text:** A Journey to the River Sea? Diaries / Blogs.

**Poetry:** Haikus

**Non-fiction:** Recount: School Journey Diary.

### Launch:

- Team building activity stations: transferring water using limited equipment.
- Trust exercises.

### Finale:

- Assembly for parents - School Journey video.



### Maths

*Can you solve maths challenge problems?*  
**Number:** Place value, Roman numerals, negative numbers. Addition & subtraction. Written multiplication.  
**Geometry:** Reflection and translation.  
**Measures:** Length, mass, capacity. Angles.



Following Rivers  
White water rafting

### PE

**Dance:** Sports Coach.  
**Outdoor Adventurous**  
**Activities:** High ropes / climbing wall / canoeing / team building activities.  
**Swimming:** Center instructors.

### French

Les Planetes (Unit 18).

Democracy  
Individual Liberty

Easter Story / Maya

### Art & DT

*How can I market my chocolate bar?*  
**Artist:** Iconic chocolate brands.  
**Focus:** IT skills / drawing / line  
**Skill:** Lettering / colour choice  
**Project:** Packaging for group product.

### Music

*How do adverts use songs to sell their products?*  
**Recorders:**  
**Musician / piece:** Advert jingles  
**Composition:** Jingles for chocolate bars.

### RE

*What is the modern Anglican Church like?*  
*What happens in churches at Easter.*

### PE

**Gymnastics 1:** Sports coach.  
**Gymnastics 2:** Key steps 3

### French

Notre école (Unit 19).

### Literacy

**Text:** Charlie and the Chocolate Factory.  
**Story:** Zero to Hero (character development)  
**Poetry:**  
**Non-fiction:** Persuasive - Fair trade / adverts / leaflets.

## Spring 2

Chocolate

### Launch:

- Taste testing chocolate bars.

### Finale:

- Enterprise - Fair Trade Cafe
- Making and marketing their own chocolate bar.



### Maths

*What will be the cost of my chocolate bar?*  
**Number:** Division. Fractions  
**Geometry:** 2d, 3d shape sorting.  
**Statistics:** Data  
**Measures:** Area and volume.



The Mayans Temple  
Mayan ActivLens

### Science

*How do materials change and why?*

**Knowledge:** Dissolving. Separating mixtures. Reversible and irreversible changes. Some changes make new materials.

**Investigation:** How can you make sugar dissolve more quickly?

**Skills:** Planning enquiries, measuring, recording, predicting, drawing conclusions.

### History

*Who discovered chocolate?*

**Knowledge:** Understand aspects of Mayan culture and how chocolate was discovered.

**Skill:** Ask historical questions and use a range of sources to locate answers.

### Geography

*Where does chocolate come from?*

**Knowledge:** Biomes of cocoa regions in North and South America. Understanding trade routes, effects of climate, fair-trade for farmers. Understand change over time of a focus study of a S American country.

**Skills:** Using an Atlas to locate North / Central / South America.

### PHSE

**Wellbeing:** Physical, emotional, mental.  
**Confidentiality**  
**Listening + Responding**

### ICT

*Sharing experiences and opinions (about SJ)*

Online safety



Democracy / show initiative / follow rules / cooperation.



Water Cycle / Forces

### Art & DT

*How has the Thames been represented in art?*  
**Artist:** Various studies of the Thames: Monet / Canaletto  
**Focus:** Painting  
**Skill:** Different painting techniques.  
**Project:** Painting of the Medway.

### Music

*How can we create water based music?*  
**Recorders:**  
**Musician / piece:** Describing using musical terminology.  
**Composition:** Use music technology to create "water music".

### RE

*What does it mean to be a Jew?*



What's in the News Today?



Democracy  
Individual Liberty



Easter Story / Maya

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**Artist:** Iconic chocolate brands.  
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### PHSE

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### ICT

*Sharing experiences and opinions (about SJ)*

Online safety

# Year 5 Summer Curriculum Overview



Mission to Mars / Maya?

**Literacy**  
**Text:** Aquilla  
**Story:** Adventure / Sc-fi tale.  
**Poetry:**  
**Non-fiction:** Explanation - the Solar system.

**Science**  
*What is in our solar system?*  
**Knowledge:** How the Earth and planets move in relation to the sun, how the moon moves in relation to the Earth. How Earth's rotation creates night and day.  
**Investigation:** How does my shadow change and why?  
**Skills:** Planning enquiries, measuring, recording, predicting, drawing conclusions.

**Art & DT**  
*How ?*  
**Artist:** Kandinsky  
**Focus:** Textiles.  
**Skill:** Sewing / beading / felting.  
**Project:** Class wall hanging.

**Summer 1**  
 Gallivanting Through The Galaxies

**Music**  
*What is a penatonic scale?*  
**Recorders:**  
**Musician / piece:** Planet Suite - Holst  
**Composition:** Writing Space Suites using ostinato.

**History**  
 Mayan study continued.  
 What did the Mayans know about astronomy?  
**Knowledge:** Understand Mayan culture and how the study of the planets impacted their lives  
**Skill:** Study Mayan sources to understand their relationship with the stars.

**RE**  
*What is the importance of symbols. belief and teaching in Hinduism?*

**Launch:**

- Design your own planet.
- Can you put planets in order? Which planet goes with which description?
- Mission to Mars - NPP

**Finale:**

- Non-chronological writing presentation with own planet suite.
- Planet wall hanging.

**What's in the News Today?**

**PE**  
**Games:** Cricket - Sports coach  
**Swimming:** Swimming Instructors.


**Maths**  
**Number:** Place value. Fractions. Addition, subtraction, multiplication & division.  
**Geometry:** Angles, using a protractor, polygons, 3D shapes.


**Geography**  
*Continue study from previous term.*

**ICT**  
 CS / IT  
**Yr 5 RS Unit 5.3 - We are artists (fusing geometry with art).**

**PHSE**  
**Food Choices. Physical Contact.**

**French**  
 Our World (Unit 20).

 Space Adventures (Inspyro)



Democracy  
 Individual Liberty  
 Andient Greece

**Literacy**  
**Text:** Greek Myths.  
**Story:** Greek Myth.  
**Poetry:**  
**Non-fiction:** Discussion writing. Debates.

**Science**  
*How do life cycles differ?*  
**Knowledge:** Describe the differences in the life cycles of mammals, amphibians, insects and birds. Describe reproduction in some plants and animals. Changes in humans.  
**Investigation:**  
**Skills:** Planning enquiries, measuring, recording, predicting, drawing conclusions.

**Art & DT**  
*How did the Greeks' style influence us?*  
**Artist:** Buildings and artefacts from Ancient Greece.  
**Focus:** Architecture / sculpture / pottery.  
**Skill:** Model making / papier mache work.  
**Project:** 3d Models / pots.

**Summer 2**  
 Ancient Greece

**History**  
 What did the Greeks achieve?  
**Knowledge:** Place the Ancient Greeks on a timeline. Everyday Greek life. Their achievements. The Influence of Greeks on the western world  
**Skill:** Use historical terms, select and record relevant information from a range of sources. Devise historically valid questions.

**Music**  
*How are songs structured?*  
**Recorders:** Revise musical notation on stave of notes B, A, G, D.  
**Musical Focus:** Writing Lyrics  
**Musician / piece:** Various world anthems

**Launch:**

- Using card - in teams - recreate the Parthenon.

**Finale:**

- Olympics Day
- Ancient Greek feast.

**RE**  
*The school's own Saint. (2 wks). The journey of Life and death.*


**Geography**  
*What challenges does Greece face today?*  
**Location Knowledge:** Locate Greece.  
**Human Geography:** Know the effects of human activity on the environment  
**Skills:** Using an Atlas to locate Greece. Locating topographic features.

**PE**  
**Games:** Athletics - Sports coach  
**Swimming:** Swim Instructor.

**Maths**  
**Number:** Place value, written calculations, fractions.  
**Geometry:** Area and volume.  
**Measures:** Mass, volume and capacity.

**What's in the News Today?**

**French**  
 Le passe et le present (Unit 13).

 Athena Acropolis  
 Ancient Greece Playlist

**ICT**  
 CS / IT  
**Yr 5 RS Unit 5.2 - We cryptographers.**

**PHSE**  
**Goals. Community. Basic First Aid.**