What are we learning this half term?

Lower Key Stage 2 Curriculum Overview

Swansfield Park Primary School

Spring Term 2

History: The Ancient Greeks

A TALE OF TWO CITIES: ATHENS VS. SPARTA

ATHENS: THE BIRTH OF DEMOCRACY

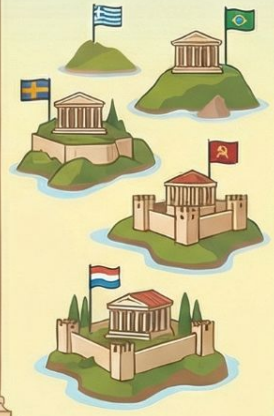
Citizens voted on laws and valued philosophy, reading, writing, and the arts.

SPARTA: THE WARRIOR CULTURE

Focused on physical strength and military training for both boys and girls.

INDEPENDENT CITY-STATES

Ancient Greece was a collection of separate territories with their own unique laws.

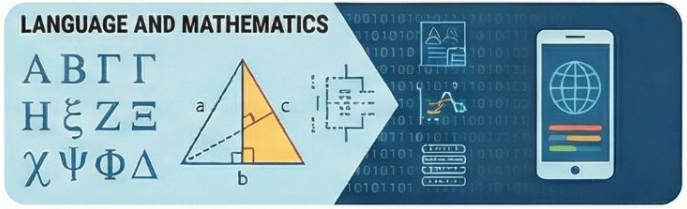


THE GREEK LEGACY TODAY

THE OLYMPIC GAMES (776 BC)

Originally a religious festival for Zeus where all ongoing wars were paused.

LANGUAGE AND MATHEMATICS



The Greek alphabet and mathematical proofs form the basis of modern internet algorithms.

THEATER AND SCIENCE

They invented comedy and tragedy plays and discovered how the planets move.

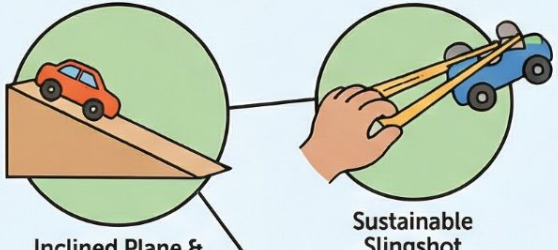
2200 BC
First civilization begins on the island of Crete

776 BC
The first official Olympic Games are held

146 BC
The Romans assume control, ending the Ancient Greek period

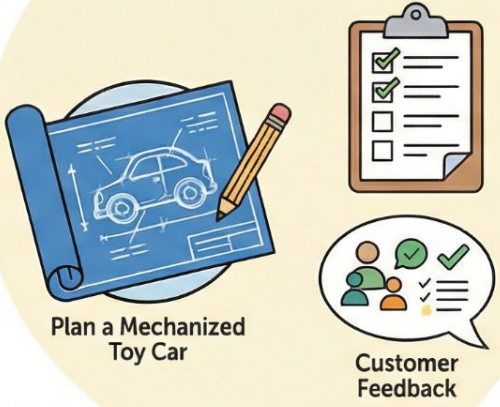
Design and Technology: Mechanical Cars

Weeks 1-3: Prototype Exploration

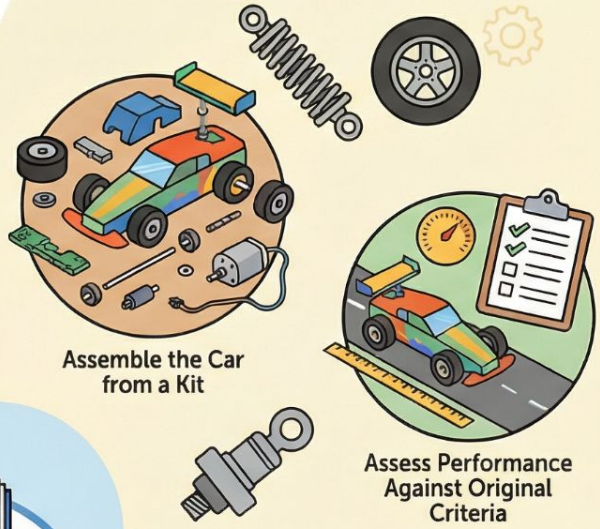


Testing & Mechanisms

Week 4: Designing the Kit



Week 5: Making and Evaluating



Final Build & Engineering

Core Learning Outcomes

Master Technical Design Skills
Students learn to draw exploded diagrams and use appropriate tools for construction.

Data-Driven Evaluation
Measure travel distance and incorporate customer feedback to refine mechanical designs.

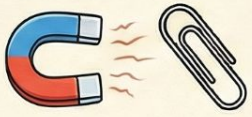
Essential Mechanical Vocabulary
Bearing, Mechanism, Chassis, Prototype, and Target Audience.

Science: Forces and Magnets (continued)

Understanding Forces & Friction

Contact vs. Non-Contact Forces

FRICTION:
Needs Contact



NON-CONTACT:
Gravity, Magnetism
Act from Distance

Measuring in Newtons

Force Meter:
Measures Force in Newtons (N)

The Power of Magnets

Attract or Repel?

OPPOSITE POLES:
ATTRACT
(Pull Together)

MATCHING POLES:
REPEL
(Push Away)

Magnetic vs. Non-Magnetic

Magnetic:
Iron, Steel (e.g., Paperclip)

Non-Magnetic:
Wood, Plastic (e.g., Duck)

Magnet Pole Reactions

Pole 1	Pole 2	Reaction
North	South	Attract (Pull)
North	North	Repel (Push)
South	South	Repel (Push)

Real-World Magnet Uses

Compass

Fridge Magnets

Electromagnets

English: Core Texts, SPaG Focus and Genre Styles

Unit 1: Wishgranter (Film Focus)

Advanced SPaG Coverage

Focuses on fronted adverbials, expanded noun phrases, and the effect of prefixes.

Narrative & Explanatory Writing

Setting Descriptions

Telegrams

Interviews

Justified Packing Lists

Grammatical Variety

Emphasis on utilizing a wide range of conjunctions for time, place, and cause.

Unit 2: Shackleton's Journey (Literary Focus)

Deep Character Inference

Exploring character thoughts, motives, and feelings across various points in the story.

Expressive Writing Outcomes

Diary Entries

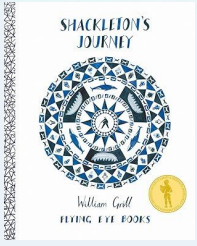
Formal Letters

Formal Letters

Dialogue Construction

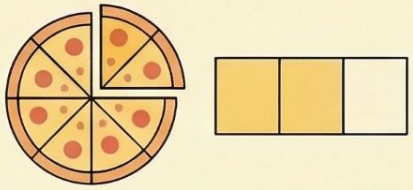
Authorial Intent

Critical exploration of the author's vocabulary choices and summary skills.



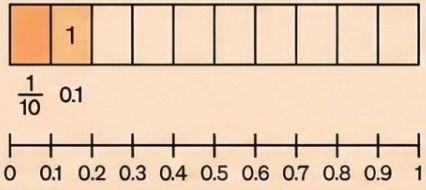
Year 3 & 4 Maths: Measurement, Fractions and Decimals

Year 3: Building Foundations



Fractions Fundamentals

Students focus on recognizing fractions, understanding numerators/denominators, and using fractions on scales.



Introduction to Tenths

The curriculum introduces counting in tenths and recognizing tenths as decimals.

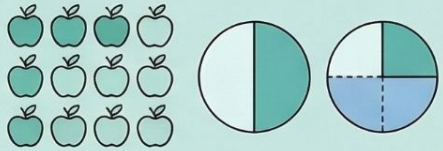
Measuring Mass and Capacity

Focuses on measuring, adding, subtracting, and comparing mass and capacity.

Year 4: Advanced Application

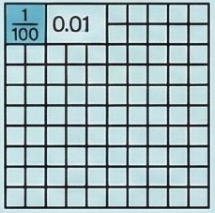
Complex Fraction Operations

Students progress to adding, subtracting, and calculating fractions of a set of objects.



Hundredths and Division

Learners divide 1 and 2-digit numbers by 10 and 100 to understand hundredths.



Practical Financial Math

Application of math to money, including converting pounds/pence and calculating change.

Computing: Data Logging

Unit Overview

Monitoring the Environment: Using sensors and data loggers to collect data points over specific logging intervals.

Automated Collection: Computers use sensors as input devices to capture data from the physical world.

Key Vocabulary

- **Sensors:** Key terms include Sensors, Data Loggers, Data Points, and Logging Intervals
- **Data Loggers:** Electronic devices that record data from sensors over time.
- **Data Points:** Individual measurements collected at a specific time.
- **Logging Intervals:** The frequency at which data points are recorded.

The 6-Lesson Journey

Phase 1: Gathering Data
Lessons 1–3 focus on answering questions, collecting data with sensors, and logging data points.

L1: Answering Questions | L2: Automatic Data Collection | L3: Logging Data Points

Phase 2: Analysis & Application
Lessons 4–6 cover analysing data files and planning experiments to answer student-led questions.

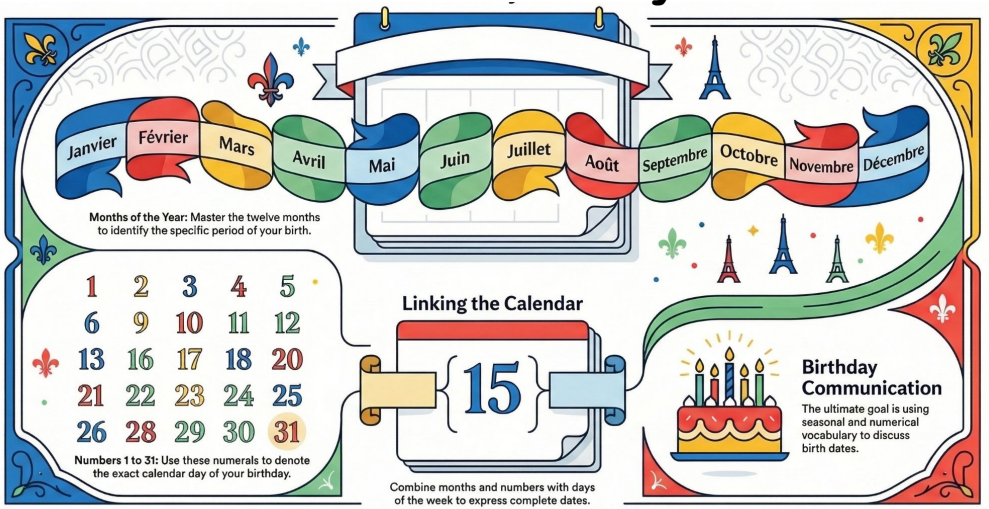
L4: Analysing Results | L5: Planning Experiments | L6: Drawing Conclusions

Curriculum Connections

Science & Mathematics
Focuses on systematic observations (Science) and interpreting time graphs and bar charts (Maths).

Computing Mastery
Learners select and combine software to collect, analyse, evaluate, and present data.

French: Months and Birthdays



PE: Swimming, Attacking and Defending, and Net and Wall Games

TUESDAY ACTIVITIES

Swimming Lessons
Weekly sessions held specifically for Maple and Willow classes.

Newcastle United Coaching: Chestnut Class
Focusing on attacking and defending skills for the non-swimming class this half-term.

FRIDAY ACTIVITIES

Newcastle United Foundation Coaching
Weekly professional coaching sessions provided for the school.

Focus: Net and Wall Games
The primary curriculum focus for Friday PE sessions.

RE: Christianity - Why do Christians call the day Jesus died ‘Good Friday?’