



# Nanpean Primary School

## Year 4/5: Drinnick Class

### Autumn Overview 2023-2024

	<p><b>Local Links:</b></p> <ul style="list-style-type: none"> <li>Cornwall spaceport, Imerys, Cornwall Council</li> </ul>
	<p><b>Aspirations:</b></p> <ul style="list-style-type: none"> <li>Astronaut, astronomer, zoologist, structural engineer</li> </ul>
	<p><b>Trips/Real-life Experiences:</b></p> <ul style="list-style-type: none"> <li>Local river visit – Nanpean</li> <li>Cornwall Spaceport - TBC</li> </ul>
	<p><b>Showcase Week:</b></p> <ul style="list-style-type: none"> <li>DT – Stuffed toy museum for Year 2 to visit.</li> </ul>

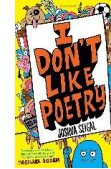
#### Reading Novel Study:



##### Autumn 1:

Cosmic by Frank Cottrell Boyce

I Don't Like Poetry by Michael Rosen



Reading for Pleasure: Tim Peake The Cosmic Diary of our Incredible Universe



##### Black History Month:

Little People, Big Dreams Mae Jemison

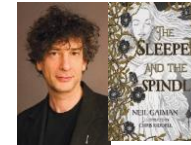


##### Autumn 2:

Hansel and Gretel by Neil Gaiman



Reading for Pleasure: Sleeper and the Spindle



Antibullying Week: The Boy in the Dress



#### Writing:

##### Text Types:

- Non-Chronological Reports -Planets of the Solar System
- Recount Letter - Hansel's Last Days
- Setting Description: Dark Fairytale
- Grammar and Spelling Review

##### Place Value of Punctuation and Grammar:

- Lesson 1: Common and proper nouns
- Lesson 2: Collective/Partitive nouns
- Lesson 3: Abstract nouns
- Lesson 4: Nouns review
- Lesson 5: Being verbs + 'to have'
- Lesson 6: Regular action verbs & verb phrases
- Lesson 7: Regular action verbs (doubling the consonant) & verb phrases
- Lesson 8: Irregular action verbs & verb phrases
- Lesson 9: Phrasal verbs
- Lesson 10: Verbs review
- Lesson 11: What is a subject?
- Lesson 12 - 13: Stage 1: Building single-clause sentences
- Lesson 14 & 15: Stage 2 & 3: Building single-clause sentences
- Lesson 16: Application
- Lesson 17: Co-ordinating conjunctions
- Lesson 18: Compound subjects and dummy subjects
- Lesson 19: Gerunds
- Lesson 20: Application

##### Spelling:

- Year 5/6 common exception words
- Unit 1: Words ending in -tious and -ious
- Unit 2: Words ending in -cious
- Unit 3: Words ending in -cial
- Unit 4: Words ending in -tial
- Handwriting:**
- Letter formation



## Maths:

### Number: Place Value

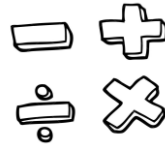
- Roman numerals
- 1,000,100s,10s and 1s
- Partitioning
- Number line to 10,000
- Numbers to 10,000, 100,000 and a million
- Count in 1000s
- 1000 more or less
- Count in 25s
- Counting in powers of 10
- Compare 4-digit numbers
- Order and compare numbers
- Round to the nearest 10, 100 and 1000
- Round to 10, 100, and 1,000
- Round within 100,000 and a million
- Negative numbers

### Length, perimeter & area:

- Kilometres
- Perimeter on a grid
- Perimeter of a rectangle & rectilinear shapes
- Measure and calculate perimeter
- What is area?
- Counting squares
- Making shapes
- Comparing area
- Area of rectangle and compound shapes

### Number: Addition and Subtraction:

- 1s,10s,100,1,000s
- Add two 4-digit numbers
- Add more than 4-digit
- Subtract two 4-digit number
- Efficient subtraction
- Subtraction more than 4-digit
- Estimate answers
- Checking strategies
- Estimate and approximate
- Inverse operations
- Multi-step problems



### Multiplication and Division:

- Multiply by 1 and 0
- Divide by 1
- Multiply and divide by 6, 9 and 7
- 6, 9 and 7 times table & division facts
- 11 and 12 times-table
- Multiples
- Multiply 3 numbers
- Factors and factor pairs
- Common factors
- Prime numbers
- Square and cube numbers
- Multiply and divide by 10 and 100
- Multiply and divide by 10,100,1,000
- Multiples of 10,100,1,000

## PE:



### Netball

- To follow a pass to create space for teammates
- To run with the ball under pressure
- To follow a pass to create space for teammates
- To shoot from close range with power and accuracy
- To receive the ball then turn into space
- To use pacing to run continuously during a game

### Lacrosse

- To protect the ball once we've caught it to gain possession
- To use basic shooting techniques
- To mark an individual opponent
- To pivot (once the ball has been caught)
- To use quick feet
- To use preliminary moves

### Badminton

- To use an underarm forehand shot.
- To hit an overhead clear shot.
- To hit a backhand shot with control and accuracy.
- 'Trick' shots and interesting ways of hitting the shuttle
- To work collaboratively to score points in different scenarios.
- To use forehand and backhand shots in a singles game.

### Gym 1

- To perform a 6-element sequence that uses changes in speed and direction.
- To use the STEP principle to create and perform a partner sequence.
- To take weight on our hands, showing control.
- To develop a sequence using compositional ideas.
- To co-operate as a group to refine a short sequence.
- To compare and judge performances.

## Science:

### Earth and Space



- Lesson 1: The Planets
- Lesson 2: How do we know the earth is a sphere?
- Lesson 3: Movement of the planets
- Lesson 4: Movement of the moon
- Lesson 5: Day and night
- Lesson 6: Does the moon change shape?

### Living Things and their Habitats

- Lesson 1: What are seven life processes?
- Lesson 2: How do mammals reproduce?
- Lesson 3: Do animals reproduce in the same way?
- Lesson 4: How do plants reproduce?
- Lesson 5: Life cycles of animals?
- Lesson 6: What are the stages in a life cycle of a plant?

## Geography:

### Fieldwork: Rivers



- What are rivers and how are they formed?
- Fieldwork – visit to local river and data collection.

## Art:

### Monochromatic - How can we find our own style of drawing?



### How realistic do portraits need to be?

- TBC – awaiting Grammarsaurus units

## Design Technology:



### Structure: Building Bridges

- Lesson 1: To explore how to reinforce a beam (structure) to improve its strength.
- Lesson 2: To build a spaghetti truss bridge.
- Lesson 3: To build a spaghetti truss bridge.
- Lesson 4: To build a spaghetti truss bridge.

### Textiles: Stuffed Toys

- Lesson 1: To design a stuffed toy.
- Lesson 2: To sew a blanket stitch.
- Lesson 3: To create and add decorations to fabric.
- Lesson 4: To use a blanket stitch to assemble the components of a stuffed toy.

## Music:



### Autumn 1: Music Tuition – Brass (External)

### Autumn 2: Music Tuition – Brass (External)

Children will learn to play a brass instrument and basic music notation, improvisation and composition.

## PSHE:

### Supporting the Community

- To think about what living in a community means
- To value your community's uniqueness and diversity, understanding how that brings enormous benefits.
- To understand the meaning and importance of community spirit
- To value the different contributions that people and groups make to the community

### Communicating Effectively

- To understand the importance of communicating effectively.
- How effective communication creates healthier connections;
- That it is possible to improve communication skills.

### Borrowing Money

- Learn about what a loan is.
- Learn about what a mortgage is.
- Learn about what a credit card is.
- Learn about what a credit score is.

### British Values: Law & Parliament

- Provide an opportunity to become involved with democratic processes within the school.
- How living under the rule of law can protect individuals and enhance their wellbeing and safety

### British Values: Freedom of Speech and Movement

- To understand what is meant by freedom of expression and to know when individual liberty should be exercised and how rights need to be balanced with responsibilities
- To explore immigration and its history in the UK



## Computing:

### **Data Handling – Mars Rover**

- Lesson 1: Identify how and why data is collected from space.
- Lesson 2: Read and calculate numbers using binary code.
- Lesson 3: Identify the computer architecture of the Mars Rovers.
- Lesson 4: Simple operations to calculate bit patterns.
- Lesson 5: Represent binary as text.

### **Skills Showcase – Mars Rover 2**

- Lesson 1: To recognise how bit patterns represent images as pixels.
- Lesson 2: To explain how the data for digital images can be compressed.
- Lesson 3: To identify and explain the fetch, decode, execute cycle.
- Lesson 4: To create a safe online profile and tinker with 3D design software.
- Lesson 5: modify the design of a 3D object using CAD software.



## French:

### **On the Move**

- Lesson 1: To name different types of transport.  
Lesson 2: To state how we get to school.  
Lesson 3: To use directions.  
Lesson 4: To give movement actions.  
Lesson 5: To use directions:  
Lesson 6: To give movement and directions.



## RE:

### **What does it mean if Christians believe God is holy and loving?**

- Describe a divine being – a God
- Explore what Christians believe about God using Bible texts.
- Listen to traditional and contemporary Christian worship songs.
- Creatively express Christian ideas that you have learned about God.
- Why is it important for Christians that their God is holy and loving.
- Compare Christian beliefs to Humanist ideas.

### **How do Christians decide how to live? 'what would Jesus do?' (Gospel)**

- Explore the two great commandments.
- The story of the wise and foolish builder.
- The story of the Centurion's servant.
- Explore ways in which Christians use prayer.
- Explore how Christian aid tries to bring justice to the world.
- Explore the work of Leprosy Mission.
- How people show generosity to those in need.

