







Rainforests



Y5 Main Overview (Summary of Topic/Key Information)

This term, Chestnut Class will be learning about Rainforests. During this topic, we will be studying Rainforests - particularly rainforests in South America. We hope this topic will enthuse you and give you a better understanding of Rainforests and what part you can play to help preserve these for future generations.

<p>Key Facts</p> 	<p>Rainforests are ecosystems filled with mostly evergreen trees that typically receive high amounts of rainfall. Rainforests are essential to life on Earth because they provide air, water, medicine, food and shelter to living beings. They are also one of our best natural defences against climate change because of their capacity to absorb greenhouse gases from the atmosphere. Most of the world's tropical rainforests lie between the Tropic of Cancer and the Tropic of Capricorn. Tropical rainforests are also found on either side of the equator in South America, Central Africa, South East Asia and Northern Australia. The world's largest tropical rainforest (The Amazon) is found in South America.</p>	
<p>Key Questions</p> 	<p>What is a rainforest? Where are tropical rainforests found? How much rain does a rainforest receive annually? What are the layers of the rainforests? Which animals are found in the rainforests? Why are rainforests important to mankind? In what ways has man contributed to the destruction of the rainforests? What role can man play in preserving rainforests for future generations?</p>	
<p>Subject</p>	<p>Key Skills Covered</p>	<p>Key Vocabulary</p>
<p>Geography</p> 	<p>We will develop our understanding of the physical, human and economic geography of rainforests. This will include: the location of rainforests; plant, animal and human life in the rainforests as well as uses of the rainforests. We will also look at the role that mankind has played in destroying rainforests and what can do to prevent further destruction.</p>	
<p>Science</p> 	<p>During the first half term, we will be looking at the stages of human development including how babies grow and develop, the main changes that occur during puberty and old age, as well as exploring the concept of life expectancy. During the second half term, we will explore the theory of gravity, investigate air and water resistance and the effects from friction, design mechanisms and build a mechanism with levers, pulleys and gears.</p>	<p>Human, baby, adult, puberty, gestation, growing, impact, infancy, adolescent, teenager, adult.</p> <p>Force, gravity, Earth, air resistance, water resistance, friction, mechanisms, levers, pulleys, gears.</p>
<p>Art & DT</p> 	<p>In this unit, we will be focussing on Textile carnival costumes exploring sewing skills and mixed media. This unit will be inspired by artists such as Alexander McQueen and René Garza. We will each make a carnival costume.</p>	
<p>Music</p> 	<p>During the first half term, we will be exploring creating chords to allow us to create music. During the second half term we will be exploring different styles of music. We will also explore the concept of 'texture' in music. We will look at the ways our voices and instruments combine to create texture.</p>	
<p>PE</p> 	<p>Our outdoor PE units this term are Netball and Quicksticks. During netball we will learn how to perform a range of passes, as well as learning how to land, dodge, defend, shoot and react when playing a game. During Quicksticks we will learn how to control the ball when moving in different directions, perform tackles with control, hit a moving ball with accuracy and control as well as working tactically.</p> <p>Indoor PE (Dance Eco Warriors and Dodgeball):</p> <p>During our Dance unit the children will work in groups to dance in canon to form a performance. For the second half of the term, they will learn a range of ball skills through</p> <p>Outdoor: space, obstruction, intercept, centre pass, centre circle, double dodge, penalty pass, goal third, interception, precision, possession, opponent.</p> <p>Indoor: rehearse, evaluate, leader, Energy, fluency, precision, strength, rhythm, Protect, direction, opposition, overarm, tactics, attacker, defender, speed.</p>	

	dodgeball including, throwing a ball with precision, dodging with control, blocking a ball and catching.	
<p>Computing</p> 	Our topic for IT this term is: We Are Game Developers . We will design an interactive maze game which links with our Geography topic – Rainforests . We will also design characters and backgrounds, create a working prototype, which we will be develop to make our game interesting for the user. As well as this we will also be spending a number of Computing sessions learning about e-safety and ways we can protect ourselves online.	Scratch, script, sprite, code, blog, storyboard, character, develop, game, maze, background.
<p>RE</p> 	During our RE unit this term, we will be exploring the question ‘What difference does the resurrection make to Christians?’ . We will look at a range of gospel accounts of Jesus’ death and resurrection and the different interpretations of these in terms of the meaning of salvation. We will also look at the diverse ways Christians celebrate festivals such as Easter.	sacrifice, forgiveness, atonement, salvation, resurrection, redemption, secular, Gospel.
<p>PSHE</p> 	For PSHE this term, we are looking at Keeping Myself Safe . We will explore positive and negative risks, how to weigh up risk factors, explore the concept of a ‘dare’ and what to do when faced with a risky situation, identify risk factors in a situation (including smoking and emotion risks), understand the norms around smoking and alcohol and the reasons for misconceptions of these. We will also look at Rights and Responsibilities . We will explore the difference between fact and opinion, learn about the concept of biased reporting and the need to think critically about things we read, explore the terms voluntary, community and pressure (action) whilst exploring the kinds of work they do. Finally, we will look at the costs involved in producing and selling an item whilst exploring the terms loan, credit, debt and interest.	Outcomes, scenarios, factors, peer pressure, dare, risk, decision, emotions, health, smoking. Fact, opinion, compare, science, true, false, biased, critical, pressure, groups, belonging, community, voluntary, spend, sell, cost, save, buy, produce, invest, loan, credit, debt, interest.
<p>French</p> 	During our French lessons this term we will be learning the names of school subjects and talking about our likes and dislikes at school. We will also be learning how to ask and say the time and link this to learning the vocabulary needed to talk about timings of the school day.	C’est... l’anglais, le français, le sport, l’histoire-géo, les sciences, les maths, la musique, J’aime/Je n’aime pas + subjects, C’est bien/cool/nul, Quelle heure est-il?, Il est une heure et quart/et demie/ moins le quart, Il est midi/minuit, La récré, le déjeuner, l’école commence à... heure(s) et finit à...
<p>English</p> 	We will read The Explorer , by Katherine Rundell, and The Great Kapok Tree by Lynne Cherry and use these as our stimuli for our English lessons. We will focus on varied genres that include: Adventure Narrative, Non-chronological Reports, Descriptive Writing, Newspaper Reports, Balanced Argument and Persuasive Writing.	stimulus, imagination, purpose, audience, features, language, model, write, adapt, punctuation.
<p>Maths</p> 	This term we will be covering: multiplication and division, fractions, decimals and percentages, area and perimeter and statistics. Within these sequences of lessons, we will also revisit and cover negative numbers, as well as areas of geometry and measure, focusing mainly on properties of shape, mass and capacity.	multiply, multiplication, lots of, divide, division, remainders, left overs, numerator, denominator, whole number, mixed fraction, equivalent, length, area, perimeter, geometry, shape.