

Year 5 – Alchemy Island

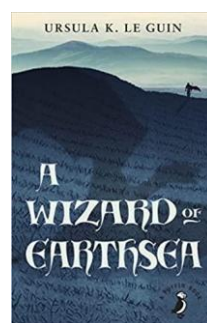
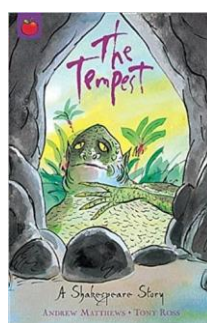
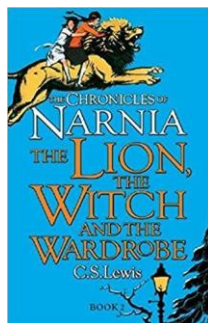


Come and explore the mysterious sounds and hidden treasures of Alchemy Island...

Project Overview

It's time to suspend your disbelief and open your mind. We're going on a magical journey to Alchemy Island. Can you find the gold hidden deep within the island's mysterious landscape? The only way is to study the map, unravel the riddle and begin your adventure. On the way, you must do all you can to learn about gold and master the ancient art of alchemy. Be creative and try to impress the island's team of ace alchemists. Will they praise your scientific expertise? You've got your map, coordinates and everything else you need to make your way across Alchemy Island. Don't forget to pack your imagination. Got your suitcase ready? Then let the journey begin...

Recommended Books



This Term We Are Learning ...

English	<p>The Lost Happy Endings by Carol Ann Duffy: This term, we will be reading <i>The Lost Happy Endings</i> as our key text. We will practice our inference skills by examining Carol Ann Duffy's choice of literary features and their impact on us as readers.</p> <p>One of our writing tasks will be a crime report based on the robbery of the happy endings. Through this, we will teach the children how to use colons and semicolons, as well as how to identify and use passive voice accurately. Additionally, the children will write a character confrontation that focuses on interweaving description and dialogue. Finally, they will conclude the unit by writing and creating their own fairy tale, where they will be introduced to foreshadowing and review sentence types and the effective use of adverbials.</p>
Maths	<p>Money – Children will be representing and comparing different amounts of money and then using their knowledge of addition and subtraction to solve problems. They will work on identifying and using the most efficient strategies to adding and subtracting common prices.</p> <p>Negative numbers - children will learn to read and write negative numbers and to place them on a number line. They will learn to interpret a range of positive and negative numbers in a range of contexts and to calculate differences. They will also use this knowledge to interpret values in graphs.</p> <p>If time... short multiplication and division - Children will learn to represent division and multiplication using a variety of different models. They will learn mental and written methods to multiply or divide two and three-digit numbers by a single digit.</p>
Science	<p>The children will use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, evaporating and sieving. They will use their knowledge of conductivity to create an electrical circuit. They will carry out investigations, using the results to make predictions and plan further investigations. They will investigate reversible changes when solids (solutes) are mixed with liquids (solvents).</p>
Religious Education	<p>Was Jesus the Messiah? This term the children will learn the meaning of Messiah and Saviour. They will look at prophecies from The Old Testament about the Messiah and think about what they tell us about what people were expecting. They consider the links between the prophecies and Christians' beliefs and how they put these into practice by celebrating Christmas.</p>
Geography	<p>Fieldwork: This term the children revisit compass points and learn about how to read and draw contour lines on a map. They will also learn to read, plot and join coordinates while identifying features on a map using grid references.</p>
Computing	<p>Spreadsheets: The children will be learning how to enter formulae into a spreadsheet to perform calculations on inputted data. They will explore mathematical problems and learn how formulae results update automatically when values in cells change.</p>
P.E.	<p>Golf - Children will learn how to successfully hit the target when putting and chipping. They will compete against others, applying the skills they have learned, and will develop their driving technique. The children will discuss, observe, and evaluate professional games, analysing the techniques used for different shots on more challenging courses.</p>

	Netball - Children will learn how to pass the ball in a variety of ways with confidence and control. They will learn how to maintain possession when faced with opponents and move with the ball at speed. Children will work together as a team, showing good awareness of others. They will also learn how to effectively mark, track, and cover when defending.
PSHCE	Celebrating Difference – The children will identify how special and unique everyone is. They will challenge assumptions and gain a greater understanding of bullying and discrimination. The children will then understand what influences our lives.
MFL	Weather - Children will learn phrases to describe the weather and talk about the temperature. Children will also learn to describe the clothes they need to wear in particular weather conditions.

How To Help Your Child's Learning

Homework

Reading

We continue to use home-school reading diaries. We expect the children to record in their Reading Diaries at least 3 times a week but strongly encourage daily reading. This can take many forms and could include reading to or with a parent or reading to a sibling. We encourage the children to read a broad range of genres and authors.

Weekly Homework

Spelling homework will be set on a Wednesday and evidence of their practice in their spelling books should be brought into school on the following Tuesday.

Times Table Rockstars will also be set on a Wednesday and should also be completed by Tuesday. Please see the table above which indicates when your child should bring their Reading Diary to school.

Times Table Rockstars

Each child should have a login for Times Table Rockstars, these have not changed since last year. This can be accessed on a laptop, tablet or mobile phone. Each week, homework will be set in the form of battles, soundchecks, sessions or free play. We would encourage your child to spend 30 minutes practising over the week. Times tables homework will be set on a Wednesday and should be completed by the following Tuesday morning at the latest.

Day	Miss Powell's and Mrs Hastings' class	Miss Brittain's class
Monday	Rashford reading diaries	Rashford reading diaries
Tuesday	Thunberg reading diaries Homework due PE kit	Thunberg reading diaries Homework due PE kit
Wednesday	Attenborough reading diaries	Attenborough reading diaries
Thursday	Malala reading diaries	Malala reading diaries
Friday	PE kit	PE kit

Key Vocabulary

alchemy	potion
alchemist	precious
liquid	property
solid	sieve
gas	filter
soluble	dissolve
solution	thermal
solute	x-axis/y-axis
solvent	graphic
conductor	score
durable	co-ordinates
malleable	
key	

Items Related To Our Topic

Maps:

<https://www.bbc.co.uk/bitesize/topics/zvsfr82/articles/zdk46v4>

Map Reading:

<https://www.bbc.co.uk/bitesize/topics/zvsfr82/articles/zjdkhbk>

States of Matter:

<https://www.bbc.co.uk/bitesize/articles/zsgwwxs>

How to identify Materials:

<https://www.bbc.co.uk/bitesize/topics/z4339j6/articles/zx8hhv4>

Information For This Term

PE: Both classes will continue to have PE on a Tuesday and a Friday.

Children need to come to school **in** their PE kit: a dark pair of tracksuit trousers or shorts, a white t-shirt, a warm jacket and comfortable sports trainers. Please also ensure that **long hair is tied back** and children have **earrings removed**, or are able to take them out themselves. This is for health and safety reasons and children will be unable to participate if they have earrings in.