

WOODHALL CURRICULUM OUTLINE

YEAR 2 TERM Autumn

TERM TITLE: Out of this World!

English

Bob's Odd Job

On the surface, Bob looks like an ordinary man about to set off for an ordinary day at work. But there is nothing ordinary about Bob's job. Not at all. Bob works on the Moon! We will use this fascinating story to write our own recounts of what we would do if we visited the Moon or a different planet; focusing on sequencing events and develop our understanding of using adjectives to write an interesting story, for example, Bob climbed quickly into his **gigantic** rocket. We will be using learning to use a range of punctuation: full stops, commas in a list, apostrophes, question and exclamation marks. Throughout the term, we will learn how to edit our work using our red pens. You might like to try reading 'The Darkest Dark' by Chris Hadfield, 'A Journey Through Space' by Steve Parker and John Haslam or 'One Giant Leap-The Story of Neil Armstrong' by Don Brown.

Scrumptious Space Snacks

Can you imagine what life is like for an astronaut? Where do they sleep? Where do they poop? What do they eat?! Year 2 will find out! There are no supermarkets in space so astronauts must be very clever and plan all of their meals before they blast off. We will investigate real astronaut food and read lots of instruction texts to help us write our very own Scrumptious Space Snack Recipes! We will then become Cosmic Chefs for the day, follow our instructions and whip up our very own tasty treats, ready for a galactic adventure. After that, with our engineer caps on, we will write instructions on how to create our own spectacular rockets!

Twisted Tales

You may think you know all the fairy tales there are to know. Well think again. Discover alternative versions, where for example, Rapunzel is not the girl you thought she was and there's not a handsome prince in sight! We will take a range of fairy tales and make them our own by changing the characters completely.

We will also be exploring words to describe Autumn to create our own poems. This will involve placing adjectives (describing words) alongside nouns (e.g. objects), for example, Bare trees, Dry leaves.

Each term we will will have the opportunity to practise using our writing skills in a range of styles as we use a whole school text for 'Love that Book' week.

Phonics and Reading

Phonics is at the heart of our English learning. We have daily phonics sessions to help us become fluent, capable readers and writers. This term, we will build on our previous knowledge, focusing on using our sounds to help us write. Further information about the phonics phases can be found at: <https://www.theschoolrun.com/phonics-teaching-step-by-step>.

Like an athlete, a good reader needs stamina and confidence. Throughout Year Two, we will be building our reading muscles and developing our fluency and comprehension. We keep our home reading books for at least a week and when you can read each word without sounding out and answer questions about the text, you can choose another one to take home. Practise with an adult every night to dazzle them with your phonic skills and make good use of Bug Club for additional reading workouts and brain-busting quizzes.

Get practising your spellings at home; use them in sentences, add adjectives and conjunctions where possible. You can even visit the following website for spelling games:

www.spellingplay.co.uk

Maths

We use Maths every day in all sorts of ways; from managing our money, to sharing a pizza, building a brick wall or even counting up our score in a game! Maths in fun! Our adults don't need to be maths experts to support us. We can play darts or board games to practise counting, bake and cook together to practise measuring but we should always be on the lookout for tens and ones- on a door, on the bus, all around. Games for a range of topics can be found at:

<http://www.crickweb.co.uk/ks1numeracy.html>

This term we will be using the Herts Essential Maths Scheme to set us on the right track, tackling place value and addition and subtraction. If you need a helping hand with new concepts or tricky words, you can find definitions of key Mathematical Vocabulary at:

<http://www.amathsdictionaryforkids.com/dictionary.html>

3-2-1 Blast off!

Place value underpins our understanding of a range of mathematical concepts so it is important to get it right early on. First off, we will learn how to identify the place value of tens and ones in a two-digit number. Next up, we will learn a range of methods for re-grouping two-digit numbers, for example if we had 16 ones, we would swap ten of them for a ten so we had one ten and six ones.

Here are some fun, interactive online games to get you started:

<https://www.topmarks.co.uk/maths-games/5-7-years/place-value-odd-and-even>

When we have got that under our belts, we will represent, order and compare numbers to 100 by using a range of equipment, including bead strings and coins. We will learn how to use the greater than and less than signs. This catchy song helps us understand the concept:

<https://www.youtube.com/watch?v=M6Efu2slal>

We will also learn how to count on and back in tens from a given number. We will learn how to re-group a number to make adding 9 or 11 easier by changing the question to add 10 and alter the other number.

Add and Subtract

In the second half term, we will use our knowledge of place value and re-grouping to add and subtract one and two-digit numbers mentally. This helps us so much in all of our Maths learning so get practicing at home!

Money, money, money is very funny and interesting to learn about! We will make different combinations of money and find change. Why don't you practice using money by playing shops at home or even by saving some coins in a piggy bank?

Last but not least, we will be estimating and measuring using different scales. Try using a ruler, measuring jugs and weighing scales at home to get you started. Why don't you explore some different measurements on this BBC website?

<https://www.bbc.co.uk/bitesize/topics/zt9k7ty/resources/1>

Rock on Maths Legends!

In Year 2, we begin to learn our times tables starting with the twos, fives and tens. Log on to Times Table Rockstars compete to become a Maths Legend by completing challenges, quizzes and games that help build our times tables knowledge: <https://trockstars.com>

<p>Science</p>	<p><i>Cosmic Clothes!</i></p> <p>Astronauts cannot wear a pair of shorts and t-shirt on the space shuttle! They need special clothes to keep them safe and as part of our journey, we will think about what properties a spacesuit must have. We will perform simple tests on different materials and observe the effects to help us answer questions and even design our own astronomical outfit!</p> <p>As part of our wider learning in Science, we will also investigate how different materials can be changed by squashing, bending, twisting or stretching them. We will work scientifically by comparing the uses of everyday materials in and around the school with materials found in other places (at home, the journey to school, on visits, and in stories, rhymes and songs) and observing closely, identifying and classifying the uses of different materials, and recording our observations.</p> <p>Discuss the properties of materials around home. You could try your own investigation using: https://www.bbc.co.uk/bitesize/topics/zrsgk7m or https://www.theschoolrun.com/what-are-materials</p>
<p>History</p>	<p><i>One small step for man, one giant leap for mankind!</i></p> <p>Using a range of books about space history and visiting the Science Museum, we will research the 'Space Race' and find out which country managed to send someone to space and eventually to the moon first! We will use a timeline to place events in space history in chronological (time) order.</p> <p><i>Who was Neil Armstrong? Who is Tim Peake?</i></p> <p>In the second half-term, we will focus on the significant individuals Neil Armstrong and Tim Peake. We will learn about their lives and the extraordinary feats they achieved. We will also learn not to believe <i>everything</i> we read, we will question the reliability of sources to debate whether the Moon Landing actually happened!</p> <p>At home, explore the Science Museum's website to provide background to space travel: https://www.sciencemuseum.org.uk/home or investigate the NASA children's website https://www.nasa.gov/kidsclub/index.html#.VtCVo4_XJi5</p>
<p>Geography</p>	<p><i>Home Sweet Home</i></p> <p>Crash landing back on planet Earth, our geography work will focus on the United Kingdom in the first half term. We will develop the geographical skills of map reading and use globes to locate the UK, name the countries in the UK and their capital cities. We will study pictures of the localities in the past and in the present and ask 'How has it changed?' Have any of your family lived in South Oxhey for a long time? Why not interview them about how things are different now and ask them to share any photos they may have?</p> <p><i>I'm the map, I'm the map, I'm the map!</i></p> <p>In the second half term, we will focus on our local area; studying maps and aerial photographs. Following a visit to Oxhey Woods, we will create our own maps with keys and symbols and use compass directions (North, South, East and West) and locational and directional language to find our way about. When we are on our travels, we will observe and record the features around the school, including the different types of plants and the different amounts of traffic on Little Oxhey Lane compared to Woodhall Lane reports, graphs, sketches, diagrams, pictures.</p> <p>On your way to school, have a think about the human and physical features you see on the way. You could even create your own maps using different routes from home to school!</p>

Art	<p><i>Starry, Starry Night</i></p> <p>Few things are as magical as a night sky filled with stars. The celestial playground has inspired artists for generations and in art this term, we will turn our eyes to the heavens. We will focus on the great Vincent Van Gogh's painting 'Starry, Starry Night' and research this talented, peculiar painter and find more out about his interesting life... what happened to his ear?!</p> <p>Check out some of his beautiful, expressive work here: https://www.nationalgallery.org.uk/artists/vincent-van-gogh</p> <p>After half term, we will be on full Christmas countdown. We will design our own wrapping paper by investigating and designing patterns of increasing complexity and repetition and print using a range of materials.</p> <p>Great artists need lots of practice so get drawing, colouring, painting and creating at home and please don't forget to bring in any of your marvellous creations to show!</p>
DT	<p><i>Engineering Experts!</i></p> <p>To prepare us for space travel, we've learnt what we will need to wear, what we need to eat and who has travelled into space before us. How will we get around once we are on the Moon? We cannot catch the bus!</p> <p>In Design and Technology, we will create our own Moon buggies following simple design criteria and planning out all of our steps using a variety of different methods. We will choose appropriate materials and decide how to cut, shape, combine and join them before we measure, mark out and shape our structures. At the end of the project, we must evaluate our finished piece and compare it to the design specification.</p> <p>Why don't you get a head start and design your own rocket ship?</p>
Computing	<p>To kick off our Computing Learning, we will familiarise ourselves with the basics such as the hardware and logging on before we dive into our new topics. Computing lessons have lots of big words and ideas, if you are not sure, you can use this glossary: https://icompute-uk.com/ewExternalFiles/iCompute-Glossary.pdf</p> <p>As astronauts, we need to understand coding to get rockets to the correct destination. We will learn basic coding skills and develop an understanding of algorithms. We will learn how to give simple commands and then debug simple problems, for example taking off and landing safely. We will also learn how to keep safe on line and understand what leaving a digital footprint means and through the Purple Mash portal, we will learn how to send emails.</p> <p><i>What is a spreadsheet?</i></p> <p>In the second half term, we will learn what a spreadsheet is. We will use a spreadsheet to add amounts and use spreadsheets to create a block graph.</p> <p>Get on Purple Mash and have a practice!</p>
RE	<p><i>Signs and Symbols</i></p> <p>Our unit will begin with identifying a range of everyday symbols and understanding what they mean. We will be able to identify the symbols for the world's main religions.</p> <p>In the second half term, we will think about why it is important to give gifts and consider what invisible gifts we could give to others.</p>

PE	<p><i>Moon Landing...</i></p> <p><i>What would it be like to walk around on the surface of the moon? How would our movements be different?</i> Using music with a space theme, we will perform dances, using simple movement and patterns; developing our balance, agility and co-ordination.</p> <p>Each week, you will have a P.E. lesson with your class teacher and one with a Game On coach. Our fabulous Game On coach, Coach Vicky, will teach you how to participate in team games and develop simple techniques for attacking and defending.</p>
PSHE	<p><i>Good Friends are out of this world!</i></p> <p>Astronauts must work in teams to complete a mission and we need good friends to accompany us on our trip to Space. We will discuss what a good friend looks like and find new ways to resolve arguments. Sometimes an astronaut may feel a little lonely, we will learn how to recognise what this feels like and discuss what can be done about it.</p> <p><i>FULL STOP TO BULLYING!</i></p> <p>We will consider how our words and actions can make people feel. We will discuss how to respond if you feel that you or someone else is being bullied and which trusted adults we can talk to. If you need any more advice on bullying, please check out the link below:</p> <p>https://www.nspcc.org.uk/what-is-child-abuse/types-of-abuse/bullying-and-cyberbullying/</p>