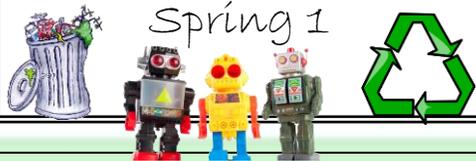


Year Two
Learning Forecast
Reduce, Reuse, Recycle...
and Robots!



Spring 1

Dates for your diaries

7th January - First day back: school opens at 8.50 prompt

28th January - School closed for Inset Day

5th February Duck class assembly, 9am in the hall, families welcome

18th February - 22nd February: school closed for Half Term

25th February - First day back: school opens at 8.50 prompt



RATIONALE

Our work this half term will be built around the 3 Rs: Reudce, Reuse, Recycle, (with a 4th 'R' thrown in...Robots!) We will discover why it is important to look after our environment and the role recycling, composting and wriggling worms play in this.

LITERACY

We will be reading a range of stories about robots and rubbish (including 'The Robot and the Bluebird', 'The Tin Forest' and extracts from 'The Iron Man and 'The Wild Robot') and we will use these texts to inspire our writing and develop our vocabulary to add detail to help our reader see the story inside their mind.

MATHS

A quick recap on the 4 operations: + - x ÷ will lead us nicely into developing out strategies for working with fractions of shapes, number and quantities; finding out about $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$. Our knowledge of fractions will then help us to get to grips with telling the time to quarter to and quarter past the hour and then to 5 minute intervals.

Investigating shape will take us up until half term, as we find out about the properties of 2D shapes. Once we are experts with 2D shapes we will identify these on the faces of 3D shapes before finding out about the names and properties of 3D shapes.

GEOGRAPHY

Finding out about recycling and composting, and looking after our local environment will see us busy out and about in the school grounds. We will be taking regular walks in the woods and playground to help keep them tidy and clear of rubbish, building our own wormeries and working in the Year 2 allotment. *(Please ensure wet weather gear and wellies are in school this half term- thank you!)*

SCIENCE

Investigating the lifecycle of worms forms a large part of our Science learning as we will be building wormeries, and investigating the important role worms play in composting and enriching the soil. We will use what we have found out to create an information leaflet to let other people know how important these wriggling creatures are. Working in the year 2 allotment will also provide us with opportunities to revise our knowledge of the features of flowering plants and their lifecycles as well as finding out about growth and survival of animals.

History

Our understanding of chronology will continue developing by adding the invention of important robots to our timeline e.g 1495 Leonardo Da Vinci creates a robotic knight, and considering the impact of these robots upon our lives today.

DT

Applying our knowledge of 2D and 3D shapes from will help us to design and build our own robots. We will use junk modelling, a range of fixing techniques and recycled materials to build our robots.

(We would be grateful if you could you send in any empty boxes and bottles, which we can use to create the basic structure of our robots - thank you!)

Art

We will be looking at art work which has been created by recycling materials. We will try and test a range of techniques and artistic skills to create our own recycled artwork.

SEAL/PSHE

Our SEAL topic is 'Going for Goals'. We will be reflecting upon on ourselves as individuals, thinking about our strengths as learners and how we learn most effectively. We will also be learning about being resilient and setting and achieving goals.

MUSIC

In music the children will be finding out about pitched sounds, singing these individually and within songs. They will also be investigating note values - clapping these out and playing them on percussion instruments.

ICT

We will be using ICT to create algorithms to program simple robots to navigate around courses and to complete simple tasks. We will also be developing our word processing skills and looking at how to copy and import images into a piece of typed text.

RE

RE sees the children thinking about the concept of 'remembering', and finding out all about the Hindu festival of Holi.

PE

We will continue to develop our key skills of Agility, Balance and Coordination through *Real PE* and then apply these to learn the skills needed to play netball (footwork, passes, aiming and shooting), with a Year 2 netball tournament towards the end of half term.

Below is a table with a number of different activities in it; with your child select **at least one activity from each subject column** that they would like to complete. **Please return homework as you complete it over the half term.** (If you would like to complete more than one task from each column, go for it! ☺)

Literacy?	Numeracy	The world	Creative	Talking (you don't need to write anything down)
<p>What's happening here?</p> 	<p>Practise your 2, 5 and 10 times tables. Try out the game: 'Hit the Button'</p> <p>https://www.topmarks.co.uk/maths-games/hit-the-button</p>  <p>Esafety: Please supervise your child when using the internet.</p>	<p>What different types of bins do you have at home to put your rubbish in? How do you know what rubbish goes into which bin?</p> <p>Can you find out what happens to the rubbish after it is collected from your bins?</p> 	<p>Make a poster to remind people to 'put their rubbish in the bin'.</p> <p>http://pbskids.org/wordgirl/games/robotworkshop/</p> <p>Use the website to build a robot!</p> <p>Esafety: Please supervise your child when using the internet. More information about Esafety can be found here: http://www.kidsmart.org.uk/parents/</p> 	<p>Talk with your family...if they could build a robot to do any job around the house, what would it be and why?</p> <p>Does anyone in your family know who this robot is? What do they know about it?</p>  <p>You can find out about it here: http://asimo.honda.com/ Talk about what you discover...</p>
<p>If this was the front cover for a book, what might it be called? Why? What might happen in the story? Do you know any stories with robots in? What happens to the robots?</p>	<p>Can you explain the difference between an odd number and an even number?</p>	<p>What is <u>composting</u>? What is <u>recycling</u>? How are they similar? How are they different? Why is it important that we try to do these things?</p>		<p>Physical</p> <p>Get moving with the 'Dancing Robots'</p> <p>https://www.youtube.com/watch?v=hpLULy-gjyc</p>
<p>Use the sentence openers to tell me more about the image...</p> <p><i>Whizzing...</i> <i>As loud as a clap of thunder...</i> <i>Behind the terrified dog...</i> <i>Quickly...</i> <i>Later on...</i> <i>Frightened...</i></p>	<p>Investigate the statement: <i>It does not matter if we add numbers together in a different order.</i></p>	<p>Can you find out what a 'circuit' is? Do you have any circuits in your home? What are they for? What would it be like if the circuits weren't there?</p>	<p>Design your own robot and draw a picture - what will it do? Will it help you around the house? Does it have any special features? Add some labels, write a description of it; or if you are feeling even more creative you could even make an instruction manual for it!</p>	

Thank you for the support with your child's homework.