

Robots Topic Trail – Year 1 - Spring 2



Here is a quick insight into some of the wonderful things we will be learning this half term.



difference



communication

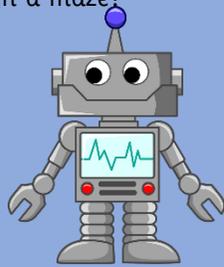
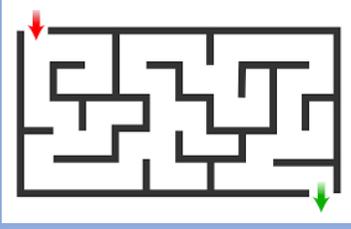


creativity



kindness

Sparkly Start: Year 1 will have lots of different remote-control robots to play with. Can you program it to move through a maze?



RE week blocks. The first week we will be learning about Jesus and the meaning behind his stories. We cover the parables of The Lost Sheep, The Lost Coin, The Prodigal Son and The Good Samaritan. The last week, we will be learning about Easter Story.



Sprites – Shine Sprite – using our imitation muscles to help us learn.

PSHRE / Diversity – Each of us are different but we all belong. Celebrating difference.

Science Day. Maths Day. World Book Day.

Phonics: Supersonic Phonic Friends – Choose to use (see weekly Newsletter on Class Dojo).



Vital Vocabulary

parable prodigal Samaritan
crucifixion resurrection
robot handles wheels cogs
antenna wires electricity
materials rubber metal plastic
remote program directions position

Sticky Knowledge: I will

HISTORY

Know land use at Gedling Country Park has changed over 120 years
know a decade is a period of 10 years
Know a timeline shows the passing of time in sequence

SCIENCE

Know the name of objects and the materials they are made from (metal, glass, plastic, cardboard, paper, wood, fabric, rock, water)
Know a property of a material can be seen, felt or measured
Know if something is hard/soft, rough/smooth, stretchy/stiff, bendy, waterproof, absorbent, translucent/opaque.

COMPUTING

know how to program on mazes using algorithms
know how to debug algorithms
know data can be collected and recorded on technology
input data on a spreadsheet to produce a bar chart

D/T

research / investigate current products
know fabrics can be attached using PVA glue/ staples
how to use simple tuned instruments and follow notation
begin to record their own notation

ART

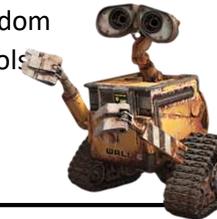
produce art based on stimulus (using charcoal).
block print using paints and stampers

GEOGRAPHY

know the countries and capital cities for the United Kingdom
know weather can be represented on a map using symbols
know some human / physical features

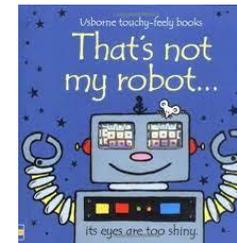
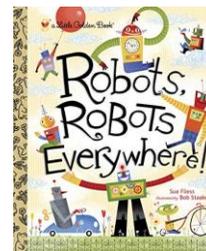
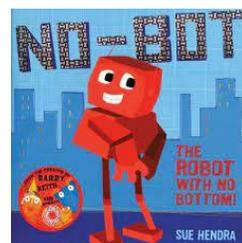
PE

know different skills within athletics
know how to express myself through dance



Key Texts: *The Tin Forest* by Helen Ward. *Wall-e* by Disney.

Other stories:



Maths

NCETM Number Sense – Composition of numbers within 10. Number facts and arithmetic
Numbers to 20, place value, doubling and halving. Subtraction and addition.
Additive structures. Calculation + and -

English

weeks on The Tin Forest – narrative.
2 weeks on Wall-e video extract to create persuasive posters about importance of recycling and looking after our planet.

Handwriting focus (letter formation, ascenders, descenders), capital letters, finger spaces and full stops
Building independence to write (generating and recording own ideas from a range of stimulus).



Key Questions



What is a robot?
What can robots be designed to do?
How do we get them to move?
How can robots help planet earth?
Why do we need to recycle?



What is a parable?
What meaning is behind
Some of Jesus' stories?

