ROBIN (YEARS 1/2)	HOW THINGS WORK Autumn 2016	
CLASS FOCUS	TRANSPORT	
	Term 1	Term 2
SCIENCE	Seasonal changes – signs of Autumn Properties and uses of everyday materials - Understand the terms material and property - Understand the difference between an object and the material it is made from - Identify natural and man-made materials	Seasonal changes – weather and daylight hours Properties and uses of everyday materials - Identify the properties of different materials and know that plastic/ glass/ wood etc would be used for different purposes - What is the best material for building a hamster's cage/ food bowl (fair testing)
GEOGRAPHY		
HISTORY	Inventors – Transport and Aviation: □ Events beyond living memory. □ Ordering events on a timeline. □ Find out how transport has changed over time through inventions. □ Lives of significant individuals in the past who have contributed to national and international achievements. □ Find out about Da Vinci's inventions and technical drawings □ Learn about the lives of the Wright brothers □ Learn about the achievements of the Montgolfier brothers. □ Understand the process of inventing.	
ART	Lines and marks □ Drawings and design, including in the style of Leonardo Da Vinci.	Digital media □ Designing / combining images using ICT

DESIGN & TECHNOLOGY	Vehicles and mechanisms - Building vehicles using axels and fixing mechanisms. - Making vehicles move using the rubber band method.	
COMPUTING	**Programming** - Follow and give simple instructions using forward, backward and whole, half, quarter and three quarter turns. - Control remote controlled programmable toys using direction and turn. - Predict the effect of a given instruction on a programmable toy. - Plan and test a sequence of instructions. - Debug a sequence of instructions given to a programmable you by testing. - Know that controlling a programmable you is more precise than a remote controlled toy.	**Impact of Technology** - Be able to describe what a device needs in order to work - Know about the different types of device that can access the internet and the different ways they are used - Know how technology supports people in their daily lives - Know how technology is used in some jobs - Know what sort of information can be found on web sites and how this is a benefit to people - Know how people can be contacted to get help online and that this has changed over time
PSHE	New beginnings	Getting on and falling out
R.E.	The Creation Story – Christianity - Discuss how humans treat the world. - Learn the events of each day of creation. - Consider how God wants Christians to treat the world. Key Question: Does God want Christians to look after the world	The Christmas Story – Christianity - Consider how it feels to give and receive a gift at Christmas. - Understand what is meant by having 'meaning'. - Contemplate what gift you would give to baby Jesus. Key Quesrion: What gift would I have given to Jesus if he had been born in my town and not in Bethlehem?

P.E.	Gymnastics: Moving and Balancing + Dance – Sequence balances, rolls and turns into a short sequence. Explore different dynamics such as height, speed and direction. Learn and sequence a dance set to music. Learn to count music and dance with the beat. REAL PE – Movement skills, including skipping, pivot turns, side stepping and hopping, both forwards and backwards. - Balance and agility, moving from jumping, both feet then one foot, pivoting and tuck jumps.	
MUSIC	In the groove - Blues, Latin, Bhangra. Historical context of must styles. Harvest songs.	I Wanna Play in a Band! - Performing and Recording voices and instruments Christmas performance songs
ENGLISH	□ Non-fiction report: My Family □ Narrative: La Luna, (Pixar short)	□ Narrative: Journey Story. □ Non-fiction: Report; Instructions; Letter; Lists and Notes. □ Poetry, list and rhyming

MATHS	Place Value - Count, read and write numbers to 10 in numerals and words. - Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. - Given a number, identify one more or one less. - Count in multiples of two. Addition and Subtraction - Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. - Add and subtract one digit numbers (to 10), including zero. - Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems. - Represent and use number bonds and related subtraction facts (within 10)	Shape - Recognise and name common 2D and 3D shapes, including rectangles, squares, circles and triangles, cuboids, pyramids and spheres. - Describe position, direction and movement, including whole, half, quarter and three quarter turns. Place Value - Count to twenty, forwards and backwards, beginning with 0 or 1, from any given number. - Count, read and write numbers from 1 to 20 in numerals and words. - Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. Addition and Subtraction - Represent and use number bonds and related subtraction facts within 20. - Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. - Add and subtract one digit and two digit numbers to 20, including zero. - Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7= ? – 9
EXPERIENCES	Whole school trip to @Bristol	Woodland adventure