Avanti Court Primary School Annual Curriculum Overview 2015-16 Year: 4

	Autumn 1 (7 weeks)	Autumn 2 (7 weeks)	Spring 1 (6 weeks)	Spring 2 (5 weeks)	Summer 1 (7 weeks)	Summer 2 (8 weeks)
Value	**Empathy**	**Self-discipline**	**Respect**	**Integrity**	**Courage**	**Gratitude**
Main Theme	**Electricity** (7weeks) **And Inventions that changed the world** (7 Weeks)	**They made a difference** (6/7 weeks) **Science shake it** (3 Weeks)	**Science land ,Sea and Sky.** (5 Weeks) **Geography –separate unit water cycle.**	**Explorers and Adventurers** (9 weeks) **Turn it up** (3 weeks)	**Young Entrepreneurs** (7 weeks)	**Nature of life (2/3 weeks)** **How humans work (4 weeks)**
English (Spoken Language, Reading, Writing, Handwriting)	leaflets Diary entries Newspapers Narrative Text: information text on inventions I'll take you to Mrs Cole (stories with familiar setting)	Instructions Biographies Explanations (science based) Narrative: stories from other cultures.	Narrative Poetry Text :Flotsam Oliver and the seawigs (CLPE)	Fantasy Text: Finton Fedora explores again. A boy and a bear in a boat by Dave Shelton	Information text Persuasive letters instructions	Fantasy/Narrative Text: The green ship (CLPE) Mouse Bird Snake Wolf (CLPE)

Maths		Number and Place Value: Addition and Subtraction (using column method) Measurement (area of shapes) Money (estimate, compare calulcate) Geometry-Properties of shape: Geometry- Position and direction: Statistics	Addition and Subtraction: Multiplication, division, fractions (including decimals and fractions) Measurement (converting between cm m and mm.) Time: Read, write and convert time between analogue and digital 12- and 24-hour clocks.	Number and Place Value: Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s). Order and compare numbers beyond 1,000. Addition and Subtraction: Revise strategies taught and solve addition and subtraction two-step problems in contexts Measurement: Solving measurement problems. Use a variety of strategies (from the school Calculation policy) to work out calculations in all four operations. Geometry- Properties of Shapes Geometry-Position and direction.	Addition and Subtraction Re-cap addition and subtraction strategies. Multiplication, Division Fractions (including decimals and percentages Measurement Solve problems related to capacity Time solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days	Number and Place Value Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s, and 1s). Order and compare numbers beyond 1,000. Measurement They use multiplication to convert from larger to smaller units. Perimeter can be expressed algebraically as 2(a + b) where a and b are the dimensions in the same unit. Geometry-Position and direction. Identify acute and obtuse angles and compare and order angles up to 2 right angles by size. Statistics solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	Addition and Subtraction Pupils continue to practise both mental methods and columnar addition and subtraction with increasingly large numbers to aid fluency. Multiplication Pupils solve two-step problems in contexts, choosing the appropriate operation, working with increasingly harder numbers. This should include correspondence questions such as the numbers of choices of a meal on a menu, or 3 cakes shared equally between 10 children. Measurement Consolidate and work on mastery Statistics Pupils understand and use a greater range of scales in their representations. Pupils begin to relate the graphical representation of data to recording change over time.
	PRE	Theme: Self Children will explore the meaning of self and further their understanding of the difference between the soul and the body.	Theme: What happens when you die? Pupils will explore the meaning of suffering and compassion. They will explore the concepts of karma, moksha (2 types) and samsara within the chaitanya tradition and be able to compare this with how these same terms are used in buddhism.	Theme: Nature of divine Pupils will learn about the theology of god 'as a personality' They will explore how different religious traditions view god (for example: almighty, loving, to be revered, to be feared as well as loved).	Theme: Chaitanya Mahaprabhu Pupils will learn about the life of Sri Chaitanya Mahaprabhu. Through acting and retelling stories, pupils will be able to explain the historical and religious significance of his life.	Theme: Ramayana Pupils will explore the story of the Ramayana. They will read, retell and act stories to develop a good understanding of the narrative structure and begin to identify key themes and messages of the story.	Theme: Ramayana Pupils will explore the story of the Ramayana. They will read, retell and act stories to develop a good understanding of the narrative structure and begin to identify key themes and messages of the story.

	Arts and Creativity	**In Art (6 weeks), we'll be finding out:** How technology has been depicted in art About techniques in traditional and modern art How to create digital art How to make a print	In Art (6 weeks), we'll be finding out: How artists can influence the way we look at the world About the work of an important sculptor How to paint a portrait of someone significant to us **In Music, we'll be finding out:** About well-known musicians from the host and home countries How we can compose our own music in a similar style Why some music/musicians are significant		In Art (, we'll be finding out: About the artwork of explorer artists How to draw plants and animals with accuracy How to draw an imaginary plant or animal. **In Music, we'll be finding out:** How to play a simple tune on the recorder		
	Physical & Emotional health (including Yoga)	PE (Invasion Games and Ball Skills)	PE (Gymnastics) Val Sabin Receiving Body Weight KS2 Unit Q	PE (Dance) African Dance (based on skills and progression in Val Sabin) KS2 Y4 Unit 4	PE (Gymnastics) Val Sabin Rolling KS2 Y4 Unit S	PE (Dance) Bollywood KS2 Unit 2	PE Athletics Training Val Sabin Striking and Fielding KS2 Y4 Unit 4

	Science	Identify common appliances that run on electricity. Construct simple series electrical circuit, identify and name its basic parts. Identify whether or not a lamp will light in a simple series circuit. Recognise a switch opens/closes a circuit and associate this with whether or not the lamp lights in a simple series circuit. Recognise some common conductors an insulators, and associate metals with being good con **In Science, we'll be finding out:** About the air around us and the science of flight How to make a paper glider About man-made materials and their properties How to carry out a scientific test.	In Science, we'll be finding out: How we can change milk into a solid What happens when butter is heated About the behaviour of gases in liquids Which solids will dissolve in a liquid About the science of making milkshakes	In Science, we'll be finding out: How water plants are different from other plants How fish have adapted to living in water How birds are adapted to flying How to create a classification key to group animals About food chains in different world habitats About the life cycles of plants and animals	In Science, we'll be finding out: About shadows and the sun About magnetism and which metals are magnetic How to make a compass About using sound and echoes In Science, we'll be finding out: How sounds are made How to change sounds How sounds travel to the ear About the volume of sounds About sound and noise Where light comes from How shadows are formed		In Science, we'll be finding out: About animal, plant and human life cycles About local food chains and webs How living things grow and change How living things are grouped About animal and plant adaptations About the differences between living and non-living things In Science, we'll be finding out: That we need light in order to see How human teeth compare to animal teeth How our body uses food and water How our heart works to keep us alive All about skeletons and muscles About the human life cycle Why exercise is good for us How tobacco and alcohol harm the body Which foods keep us healthy and why

	Computing	How to use technology safely and respectfully. I programme: Unit looks at introducing the children to visual programming language.	How to use technology safely and respectfully. I programme: Unit looks at introducing the children to visual programming language.	I Connect: Unit looks at exploring the difference between the internet and the World Wide Web and involves online surfing, searching and evaluation.	I Connect: Unit looks at exploring the difference between the internet and the World Wide Web and involves online surfing, searching and evaluation.	I Data:- Unit looks at introducing the concept of data being represented digitally on computers.	I Data:- Unit looks at introducing the concept of data being represented digitally on computers.
	Technology	**In Technology, we'll be finding out:** How to make a pinhole camera How levers, gears and cams work How to make a moving toy How to invent and build something to solve a problem.	In Technology, we'll be finding out: How to design and make a hand whisk	In Technology, we'll be finding out: How to set up an aquarium	In Technology, we'll be finding out: How to make panpipes make a link to international	In Technology, we'll be finding out: How we can make our product and evaluate it How we can market and advertise our product to a group of people	In Technology, we'll be finding out: How to make a bird nesting box. In Technology, we'll be finding out: How to plan and prepare a healthy meal
	History	**In History, we'll be finding out:** About significant inventions of the last 100 years About inventions in the way we communicate About the Islamic 'Golden Age of Invention' About the history of flight and associated inventions	In History, we'll be finding out: About world leaders from the past How to make a timeline How leaders in the past compare to leaders today About significant scientists from the past About primary and secondary sources of information		In History, we'll be finding out: About explorers and adventurers in the past How to gather information from maps, pictures and books How to answer simple questions about exploration How explorers told the time and navigated at sea	In History, we'll be finding out: How people used to trade in the past How currency has changed through time What goods were available to past societies	

	Geog			In Geography we'll be finding out about: The water cycle.	In Geography we'll be finding out: How to use geographical terms How to use different types of world maps How to look for geographical information About places we have explored on holiday	In Geography, we'll be finding out: About the services and businesses in our local community About different types of products that can be bought around the world About different types of currency around the world What products our host country and home countries import and export	
	Spanish	Learn new food/drink items in different contexts; say whether items are (un)healthy; extend answers about likes/dislikes of items with connectives; engage in role-plays about items in the present and past (preterit) tenses; understand the Spanish version of The Hungry Caterpillar	Discuss musical preferences with extended answers that include adjectives and connectives; say musical instruments played; practise role-plays in a shop; learn an adaptation of the song 'I Am the Music Man'; explore rhythm; work in groups to create a rap.	Learn to say the alphabet using the names of Spanish speaking countries; understand and use names for places in local area to follow and give directions; describe local area with adjectives and simple opinions; say places that are in local area	Learn some animals from rainforest, talk about the weather and seasons; verbs: can/ can't (run, fly, jump and swing); describe some animals.	Learn to name and describe the planets; construct complex sentences using verbs, nouns, adjectives, qualifying adverbs, connectives and prepositions; consolidate knowledge of the planets in a display at end of unit.	Plan their holidays in Spain: accommodation, transport, cities and places; going to; recap previous lessons through a project: make their own Spanish books.

	Educational Visits	Science Museum	National portrait gallery	London Aquarium	Valentines Park	Barkingside High Street	Visit from a local dentist and health nurse.
	Special Events& International	In Society, we'll be finding out: How technology and inventions affect people's lives How inventions have made life easier or harder About inventions in the home and host countries Why some countries have fewer or more technologies than others In International, we'll be finding out: How the invention of the internet has changed the way we communicate How the world's scientists are sharing knowledge about inventions and the latest technology	In Society, we'll be finding out: About people who fought for the rights of others. In International, we'll be finding out: How the World Wide Web has connected countries About people who are significant on a global level In International, we'll be finding out: Why milk is scarce in some countries	In International, we'll be finding out: How environmental changes are a threat to the world's coral reefs	In Society, we'll be finding out: If we think exploration is a good thing About conflict and exploration in the past About female explorers in the past and today In International, we'll be finding out: How exploration has changed the world Who owns the Moon and planets in space In International, we'll be finding out: About music in different cultures and countries	In Society, we'll be finding out: About our needs and wants How we can create a product for a group of people How we can find out more about what people want In International, we'll be finding out: How we can use what we know about other countries to help our business	In International, we'll be finding out: Which animals and plants deserve protection In International, we'll be finding out: About people's health problems

	Sanskrit	Pupils will learn some conversational Sanskrit such as greetings. Students will be introduced to counting in Sanskrit from 0-20. Students will be given the opportunity to practice writing these numbers using Devanagari script. Pupils will be able to recall the numbers in Sanskrit using flash cards. Students to perform calculations by looking at Devanagari script Sanskrit numbers and provide answers in Sanskrit both verbal and written. Pupils will be taught how to tell the time in Sanskrit using the numbers vocabulary learnt in previous lessons.	Be able to pronounce short vowels in Sanskrit. Students will be able to recognise and recall the short vowels from Devanagari Script. To demonstrate how to write the short vowels using Devanagari script. Sanskrit conversation will be introduced such as What is your name? My name is…..	Be able to pronounce long vowels in Sanskrit. Students will be able to recognise and recall the long vowels from Devanagari Script. To demonstrate how to write the long vowels using Devanagari script. Sanskrit recitation to focus on classroom objects.	Be able to pronounce the first set of consonants in Sanskrit. Students will be able to recognise and recall the first set of consonants from Devanagari Script. To demonstrate how to write the first set of consonants using Devanagari script. Sanskrit recitation to focus on animals.	Be able to pronounce the second set of consonants in Sanskrit. Students will be able to recognise and recall the second set of consonants from Devanagari Script. To demonstrate how to write the second set of consonants using Devanagari script.	Be able to pronounce some conjunctions of vowels and consonants in Sanskrit. Students will be able to recognise and recall some conjunctions of vowels and consonants in from Devanagari Script. To demonstrate how to some conjunctions of vowels and consonants in using Devanagari script.