

## **College Town Primary School - Year 5 Overview**



Cary SP						Cary SP	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Science: Working Scientifically	Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary (Year 5 focus). Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate (Year 5 focus). Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs (Year 5 focus) Use test results to make predictions to set up further comparative and fair tests (Year 5 focus). Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations (Year 5 focus).						
Science	Forces	Earth and Space	Properties and	Living things and	Animals including	Revision and	
	Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object. Identify the effects of air resistance, water resistance and friction, that act between moving surfaces. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the Moon relative to the Earth. Describe the Sun, Earth and Moon as approximately spherical bodies. Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.	their changes Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. Recognise that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.	their habitats Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird. Describe the life process of reproduction in some plants and animals.	Humans Describe the changes as humans develop to old age.	Expansion Suggested Science Unit: The importance of Biodiversity. Watch the animated video which explains the importance of biodiversity. Look into food chains/food webs (recaps from Year 4 and links to mould and microorganism work in Year 5). How does fungi and bacteria play an important role in helping ecosystems? Science Week	

	Independently and use appro software for a Independently use and comb variety of softw design and cre content for a g audience.	priate task. Presentations Begin to use internet select, services to share and ine a transfer data to a third ware to party.	Independently select and use appropriate software for a task. Independently select, use and combine a variety of software to design and create content for a given audience.	of instructions to a program or device. Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems. Design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated. Design write and test simple programs with opportunities for selection, where a particular result will happen based on actions or situations controlled by the user. Use logical reasoning to explain how increasingly complex algorithms work to ensure a program's efficiency.	Independently select and use appropriate software for a task. Independently select, use and combine a variety of software to design and create content for a given audience.
Design and	Making for	od from		Mayan Temples	Building a bridge
Technology	North An	nerica		Use his/her research	for a purpose
0,	(Burge	ers)		into existing products and his/her market	Use his/her research
	Understand th	e main		research to inform the	into existing products and his/her market
	food groups an different nutrie			design of his/her own	research to inform the
	are important			innovative product.	design of his/her own
	I lock in the set of the			Create prototypes to	innovative product.
	Understand ho variety of ingre			show his/her ideas.	Create prototypes to
	grown, reared,	, caught		Make careful and	show his/her ideas.
	and processed them safe and			precise measurements so that joins, holes and	Make careful and
	/ tasty to eat.			openings are in exactly the right place.	precise measurements so that joins, holes and
	Select appropri				openings are in exactly the right place.
	ingredients an	d use a			

		wide range of techniques to combine them.		Produce step by step plans to guide his/her making, demonstrating that he/she can apply his/her knowledge of different materials, tools and techniques. Make detailed evaluations about existing products and his/her own considering the views of others to improve his/her work. Build more complex 3D structures and apply his/her knowledge of strengthening techniques to make them stronger or more stable.	Produce step by step plans to guide his/her making, demonstrating that he/she can apply his/her knowledge of different materials, tools and techniques. Make detailed evaluations about existing products and his/her own considering the views of others to improve his/her work. Build more complex 3D structures and apply his/her knowledge of strengthening techniques to make them stronger or more stable.
History	The StuartsUse dates to order and place events on a timeline.Compare sources of information available for the study of different times in the past.Make comparisons between aspects of periods of history and the present day.Understand that the type of information available depends on the period of time studied.Evaluate the usefulness of a variety of sources.Present findings and communicate knowledge		Crime and Punishment Use dates to order and place events on a timeline. Compare sources of information available for the study of different times in the past. Make comparisons between aspects of periods of history and the present day. Understand that the type of information available depends on the period of time studied. Evaluate the usefulness of a variety of sources.	The MayaUse dates to order and place events on a timeline.Compare sources of information available for the study of different times in the past.Make comparisons between aspects of periods of history and the present day.Understand that the type of information available depends on the period of time studied.Evaluate the usefulness of a variety of sources.Present findings and communicate knowledge	

	and understanding in different ways. Provide an account of a historical event based on more than one source. Give some reasons for some important historical events.		Present findings and communicate knowledge and understanding in different ways. Provide an account of a historical event based on more than one source. Give some reasons for some important historical events.		and understanding in different ways. Provide an account of a historical event based on more than one source. Give some reasons for some important historical events. Describe a non- European society that provides contrasts with British history - one study chosen from: early Islamic civilization, including a study of Baghdad c. AD 900; Mayan civilization c. AD 900; Benin (West Africa) c. AD 900-1300.	
Geography		North America Identify and describe the significance of the Prime/Greenwich Meridian and time zones including day and night. Identify the physical characteristics and key topographical features of the countries within North America. Compare the physical and human features of a region of the UK and a region of the UK and a region in North America, identifying similarities and differences. Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a		What is China like? Understand how humans affect the environment over time. Know about changes to world environments over time. Understand why people seek to manage and sustain their environment. Know about the wider context of places e.g. county, region and country. Know and describe where a variety of places are in relation to physical and human features.		<b>Rivers</b> Understand and use a widening range of geographical terms e.g. specific topic vocabulary - climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle. Know how rivers erode, transport and deposit materials. Know about the physical features of coasts and begin to understand erosion and deposition. Understand how humans affect the environment over time.

		European country, and a region within North or South America. Understand about weather patterns around the world and relate these to climate zones. Know about the wider context of places e.g. county, region and country. Know location of: capital cities of countries of British Isles and U.K., seas around U.K., European Union countries with high populations and large areas and the largest cities in each continent.				Know about changes to world environments over time. Understand why people seek to manage and sustain their environment.
Music	Out of the Ark harvest songs Harvest Samba Harvest Samba Harvest song Understand how pulse, rhythm and pitch work together. Sing as part of an ensemble with increasing confidence and precision. Play and perform in solo or ensemble contexts with some accuracy, control, fluency and expression. Listen with attention to detail and recall sounds	Christmas Carol Concert songs – Vocal score (sheet music) Compose complex rhythms from an increasing aural memory. Understand how pulse, rhythm and pitch work together. Sing as part of an ensemble with increasing confidence and precision. Play and perform in solo or ensemble contexts with some accuracy, control, fluency and expression.	Exploring key and time signatures Key signature = what notes are played in the song Time signatures = how many beats (notes) in a bar Compose complex rhythms from an increasing aural memory. Understand how pulse, rhythm and pitch work together. Sing as part of an ensemble with	Instruments: Glockenspiel stage two course This is stage two of the glockenspiel course Compose complex rhythms from an increasing aural memory. Understand how pulse, rhythm and pitch work together. Improvise with increasing confidence using own voice, rhythms and varied pitch.	Introducing chords This could include a trip to the music room to look at the chords on a piano Compose complex rhythms from an increasing aural memory. Understand how pulse, rhythm and pitch work together. Improvise with increasing confidence using own voice, rhythms and varied pitch. Sing as part of an ensemble with	Identifying important musical elements Compose complex rhythms from an increasing aural memory. Understand how pulse, rhythm and pitch work together. Improvise with increasing confidence using own voice, rhythms and varied pitch. Sing as part of an ensemble with increasing confidence and precision.

	with increasing aural memory.	Use and develop an understanding of formal, written notation which includes staff, semibreves and dotted crotchets. Develop an increasing understanding of the history and context of music. Listen with attention to detail and recall sounds with increasing aural memory.	increasing confidence and precision. Play and perform in solo or ensemble contexts with some accuracy, control, fluency and expression. Use and develop an understanding of formal, written notation which includes staff, semibreves and dotted crotchets. Develop an increasing	<ul> <li>Play and perform in solo or ensemble contexts with some accuracy, control, fluency and expression.</li> <li>Use and develop an understanding of formal, written notation which includes staff, semibreves and dotted crotchets.</li> <li>Develop an increasing understanding of the history and context of music.</li> </ul>	increasing confidence and precision. Play and perform in solo or ensemble contexts with some accuracy, control, fluency and expression. Use and develop an understanding of formal, written notation which includes staff, semibreves and dotted crotchets. Develop an increasing	<ul> <li>Play and perform in solo or ensemble contexts with some accuracy, control, fluency and expression.</li> <li>Use and develop an understanding of formal, written notation which includes staff, semibreves and dotted crotchets.</li> <li>Develop an increasing understanding of the history and context of music.</li> </ul>		
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RE	Christianity Describe and explain what motivates and inspires believers and how this can be reflected in actions/ practice.	Christianity Explain and demonstrate how and why believers show courage and commitment.	Judaism Explain how beliefs, practices and community can support or determine responses to matters of life and death. Give examples of how core beliefs can be interpreted in different ways leading to diverse expression and behaviour.	Christianity Do Rites of Passage always help a believer to feel connected to God and the community?	Judaism How well does faith help people cope with matters of life and death? How can music and the arts help express and communicate religious beliefs?	Christianity What difference might it make to believe in God as creator?		
		-	l Iding Beliefs, Teachings And	   Their Meaning, Using Appro		Vocabulary.		
	Identify And Describe Similarities And Differences In Religious Practices And Lifestyles Both Within And Between Religions. Describe The Meaning Of Religious Symbols And Symbolic Actions And Show Understanding That Symbols May Be Interpreted In Different Ways Both Within And Between Religions.							

		Ask Questions Of Identity And Belonging And Suggest Own Answers About The Significant Experiences Of Others, Including Religious Believers. Raise Questions And Suggest Religious, Philosophical And Moral Answers To A Range Of Ultimate Questions. Ask Questions About Matters Of Right And Wrong And Suggest Answers Which Show Understanding Of A Range Of Moral And Religious Teachings.								
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Spanish	My Family (Revision IN)	The Date (IN)	What is the Weather? (IN)	Do You Have a Pet? (IN)	My Home (IN)	Romans (IN)				
	Know how to conjugate so	me high frequency verbs.	L		L	L				
	Understand how to make o	hanges to an adjective in or	rder for it to 'agree' with the re	elevant noun.						
	Adapt sentences to form n	egative sentences and begi	n to form questions.							
	Gain an overall understand has heard in the target lang		text which includes some far	niliar language, for example	summarising in English the I	key points of what he/she				
	Identify different ways to s	Identify different ways to spell key sounds and select the correct spelling of a familiar word.								
	Learn a song or poem usir	g the written text for suppor	t.							
	Use dictionaries to extend	Use dictionaries to extend vocabulary on a given topic and develop his/her ability to use different strategies to work out the meaning of unfamiliar words.								
	Read aloud and understan	Read aloud and understand a short text containing mostly familiar language, using fairly accurate pronunciation.								
	Take part in conversations	and express simple opinion	s giving reasons.							
	Adapt known complex sen	tences to reflect a variation	in meaning.							
	Begin to use intonation to	differentiate between senter	ace types.							
	Create a short piece for pro	Create a short piece for presentation to an audience.								
	Write phrases and some s	Write phrases and some simple sentences from memory and write a short text such as an email with support from a word/phrase bank.								
	Use a wide range of adject	ives to describe people and	things and use different ver	bs to describe actions.						
SHE	Being Me in the	Celebrating	Dreams and Goals	<b>Relationships</b>	Healthy Me	Changing Me				
	World Face new challenges positively and know how to set personal goals.	Differences Understand that cultural differences sometimes cause conflict.	Understand that I will need money to help me achieve some of my dreams.	Have an accurate picture of who I am as a person in terms of my characteristics and	I know the health risks of smoking and can tell you how tobacco affects the lungs, liver and heart.	Identify how boys and girls bodies change on the outside during this growing up process.				

	Understand my rights and responsibilities as a British Citizen. Understand my rights and responsibilities as a member of a school. Make choices about my own behaviour because I understand how rewards and consequences feel. Understand how an individual's behaviour can impact on a group. Understand how democracy and having a voce benefits the school community and know how to participate in this. <u>British Values Covered</u> Democracy Rule of Law Individual Liberty Mutual Respect Tolerance of those of different faiths and beliefs	Understand what racism is. Understand how rumour- spreading and name- calling can be bullying behaviours. Explain the differences between direct and indirect types of bullying. Can compare my life with people in the developing world. Enjoy the experience of a culture other than my own. <u>British Values Covered</u> Democracy Rule of Law Individual Liberty Mutual Respect Tolerance of those of different faiths and beliefs	Know about a range of jobs carried out by people I know and have explored how much people earn in different roles. Identify a job I would like to do when I grow up and understand what motivates me and what I need to do to achieve it. Describe the dreams and goals of young people in a culture different to mine. Understand that communicating with someone in a different culture means we can learn from each other. Encourage my peers to support young people to help them meet their aspirations. British Values Covered Democracy Rule of Law Individual Liberty Mutual Respect Tolerance of those of different faiths and beliefs	Recognise how friendships change, know how to make new friends and how to manage when I fall out with my friends. Understand how it feels to be attracted to someone and what having a boyfriend/girlfriend might mean. Understand how it feels to be attracted to someone and what having a boyfriend/girlfriend might mean. Understand how to stay safe when using technology to communicate with my friends. <u>British Values Covered</u> Democracy Rule of Law Individual Liberty Mutual Respect Tolerance of those of different faiths and beliefs	I know some of the risks with misusing alcohol, including anti-social behaviour and how it affects the liver and heart. Know I can put into practice basic emergency aid procedures (including recovery position) and know how it affects the liver and heart. Understand how the media and celebrity culture promotes certain body types. Describe the different roles food can play in people's lives and can explain how people can develop eating disorders relating to body images pressures. British Values Covered Democracy Rule of Law Individual Liberty Mutual Respect Tolerance of those of different faiths and beliefs	Being aware of my own self- image and how my body image fits into that. Explain how a girl's body changes during puberty understand the importance of looking after yourself physically and emotionally. Describe how boys' and girls' bodies change during puberty. Understand that sexual intercourse can lead to conception and that is how babies are usually made. Identify what I am looking forward to about becoming a teenager and understand this brings growing responsibilities. Identify what I am looking forward to when I am in Year 6. British Values Covered Individual Liberty Mutual Respect Tolerance of those of different faiths and beliefs
PE	Dance Perform a sequence of one footed leaps Gallop with a fluid motion Participate in recognised activities and games with skill and precision	Hockey Participate in recognised activities and games with skill and precision showing creativity with tactics and strategy When performing in an activity, draw upon previous knowledge and experiences of tactics,	Football Participate in recognised activities and games with skill and precision showing creativity with tactics and strategy When performing in an activity, draw upon previous knowledge and experiences of tactics,	<b>Tennis</b> Can link skills, techniques and ideas and apply them accurately and appropriately. Can show good control in their movement.	Swimming – 2 weeks Perform a sequence of changing shapes whilst floating on the surface. Swim approx. 10m using a range of different strokes (back/breast/front crawl).	Athletics Participate in recognised activities and games with skill and precision showing creativity with tactics and strategy When performing in an activity, draw upon previous knowledge and experiences of tactics,

ta V a p e s c C C P p a	showing creativity with tactics and strategy When performing in an activity, draw upon previous knowledge and experiences of tactics, strategies and composition. Develop interest in participating in sports activities and events at a competitive level.	strategies and composition. Develop interest in participating in sports activities and events Can explain some important safety principles when preparing for exercise. Can explain what effect exercise has on their body. Can explain why exercise is important.	strategies and composition. Develop interest in participating in sports activities and events at a competitive level. Dribble a football between cones.	Can compare and comment on skills, techniques and ideas that they and others have used. Can use their observations to improve work Can explain some important safety principles when preparing for exercise. Can explain what effect exercise has on their body. Can explain why exercise is important.	Cricket – 4 weeks Strike a ball with a range of bats for accuracy and distance. When planning activities and actions, take into account a range of strategies, tactics and routes to success, considering his/her strengths and weaknesses and the strengths and weaknesses of others. Analyse, modify and refine skills and techniques and how these are applied. Consider how specific aspects of an activity or performance can influence the outcome and suggest the best possible strategy.	strategies and composition. Develop interest in participating in sports activities and events at a competitive level. Can explain some important safety principles when preparing for exercise. Can explain what effect exercise has on their body. Can explain why exercise is important.
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