

Curriculum Policy

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INFORMATION

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Aldenham Preparatory School Curriculum Policy

Introduction

The curriculum is all the planned activities that we organise in order to promote learning, personal growth and development. It includes not only the formal requirements of the New National Curriculum, but also the range of extra-curricular activities that the school organizes to enrich the experiences of children. It also includes the 'hidden curriculum', or what the children learn from the way they are treated and are expected to behave. We aim to teach children how to grow into positive, responsible citizens, who can work and co-operate with others while 'taking care of their own learning', so that they can achieve their true potential. We believe in a broad curriculum enabling the pupils to become well rounded individuals.

Values

Our school curriculum is underpinned by our mission statement, our key aims and Golden Values; the 5 Cs (Appendix 1). The curriculum is the means by which the school achieves its objective of educating children in the knowledge, skills and understanding that they need in order to lead fulfilling lives.

At Aldenham we believe very strongly in offering breadth within our curriculum, so that the all-round talents of each individual child may be developed. This involves promoting the academic, creative and sporting facets of school life, as well as fostering children's natural curiosity, in order to empower them with a life- long love of learning.

At Aldenham Prep School:

- We value the way in which are children are unique, and our curriculum promotes respect for the views of each individual child, as well as for people of all cultures. We value the spiritual, moral, social and cultural development of each person, as well as their intellectual and physical growth.
- We value the importance of each person in our community. We organize our curriculum so that we promote co-operation and understanding between all members of our community.
- We respect each other for who they are and we treat them with fairness and honesty. We aim to enable each person to be successful, and we provide equal opportunities for all.
- We value our environment, and we aim, through our curriculum, to teach respect for our world and how we should care for it for future generations as well as our own.



Aims and objectives

The aims of our school curriculum are:

- to enable all children to learn and develop to the best of their ability;
- to promote a positive attitude towards learning, so that children enjoy coming to school, and acquire a solid basis for lifelong learning;
- to teach children the basic skills of literacy, numeracy, computing & coding
- to teach children about their developing world, including how the environment, culture and society have changed over time;
- to enable children to be happy, responsible and co-operative members of our community;
- to teach children to have an awareness of their own spiritual development, and to understand right from wrong.

Organisation and planning for EYFS, KS 1 & 2

We plan our curriculum in three phases:-

Long Term

Initially a curriculum map or long-term plan is drawn up. This indicates the broad learning intentions for each term and establishes which topics are to be taught to which groups of children. We review our long term plans on an annual basis. (See Appendix 2)

Medium Term

We use the national schemes of work as a basis for much of our medium-term planning. In our medium-term plans, we give clear guidance on the topics to be taught week by week. We store all of our medium-term plans stored on the intra-net, so that they can be easily updated and reviewed. (See Appendix 3)

Short Term

Our short-term plans are those that our teachers write or communicate on a weekly or daily basis. We use these to set out the learning objectives/ WALT for each session, and to identify which resources and activities we are going to use in the lesson. Prompts for differentiation and assessment are included at this stage of planning, as well as relevant cross-curricular links. (See Appendix 4)

A variety of AfL techniques are embedded in all areas of the curriculum as are steps to success (S2S). We continue to develop our evidence of assessment and progress.



Children who require Learning Support

The curriculum in our school is designed to provide access and opportunity for all children who attend the school. We adapt the curriculum to meet the needs of individual children.

If a child has a special need, our school does all it can to meet these individual needs. If a child displays signs of having special needs, his/her teacher makes an initial assessment. In most instances the teacher is able to provide resources and educational opportunities which meet the child's requirements, within the normal class organisation. If a child's need is more severe we will involve the Head of Learning Support and then the appropriate external agencies and professional assistance, in close consultation with parents.

The school provides a Pupil Passport and/or Targets for each of the children who are on the Learning Support register. This sets out the nature of the need and outlines how the school will aim to address that need. It also sets out targets for improvement, so that we can review and monitor the progress of each child at regular intervals.

When planning, teachers set suitable learning challenges and respond to children's diverse learning needs. Some children have barriers to learning that mean they have special needs and require particular action by the school.

These requirements are likely to arise as a consequence of a child having special educational needs. Teachers take account of these requirements and make provision, where necessary, to support individuals or groups of children and thus enable them to participate effectively in curriculum and assessment activities. Such children may need additional or different help from that given to other children of the same age.

Children may have special educational needs either throughout or at any time during their school career. This policy ensures that curriculum planning and assessment for children with special educational needs takes account of the type and extent of the difficulty experienced by the child. The SEND support takes the form of a four-part cycle through which earlier decisions and actions are revisited, refined and revised with a growing understanding of the pupil's needs and of what supports the pupil in making good progress and securing good outcomes.

This is known as the Graduated Approach. The flow diagram below illustrates this process



Aldenham Prep School. Elstree, Hertfordshire.



Homework

The school expects homework to be set as appropriate. As guidance we expect pupils to spend the following times on homework:

Year Group	Homework	Holiday Homework
Reception	Individual reading materials twice a week;	Reading task
Year 1	Reading every day; Spellings every week; Times tables after Christmas; A 30 minute Literacy task and a 30 minute Maths task once a week.	Reading task
Year 2	Reading every day; Spellings every week; Times tables every week; A 30 minute Literacy task and a 30 minute Maths task once a week.	Reading task
Years 3 and 4	Reading every day; Spellings every week; Times tables every week; Year 3 a 20 minute Literacy task and a 20 minute Maths task once	Reading task
	a week; Year 4 a 30 minute Literacy task and a 30 minute Maths task once a week; An on-going 2-3 week Learning Activity.	
Year 5	Reading, spellings and times tables every day; a 40 minute Literacy task and a 40 minute Maths task once a week; an on- going 2-3 week Learning Activity.	
Year 6	Before Christmas: reading, spellings and times tables every day; two 30-40 minute Literacy tasks and two 30-40 minute Maths tasks a week. After Christmas: reading, spellings and times tables; an on-going Learning Activity.	until Christmas; Reading task after Christmas.

MAG&T

Class work is differentiated for the pupils and there is a register of children who have been identified as MAG&T.



The role of the Subject Co-ordinators

We aim for the subject cordinators to:

- Contribute to the whole School Development Plan
- provide a strategic lead and direction for the subject;
- support and offer advice to colleagues on issues related to the subject;
- monitor assessment and pupil progress in that subject area;
- provide efficient resource management for the subject.

It is the role of each subject coordinator to keep up to date with developments in their subject, at both national and local level. They review the way the subject is taught in the school and plan for improvement. This development planning links to whole-school SDP objectives. Each

subject leader reviews the curriculum plans for their subject and ensures that progression is planned into Schemes of Work. Subject leaders are also working towards keeping a portfolio of children's work, which will be used to show the achievements of children within each Year Group and to give examples of expectations of attainment.

Subject coordinators are:-

- Give a termly/annual budget for the subject
- Given staff meeting time
- Given coordinator time to update their file
- Given time to observe their subject being taught
- Meet with HoD of senior school regularly

Concerns and Complaints

Parents who have concerns about any aspect of the curriculum should discuss these in the first instance with the pupil's Class Teacher or Deputy Head. If the issue is not resolved parents should make an official complaint in writing to the Head of Prep. The school has a Complaints Procedure in place, which can be obtained from the Head of Prep

Monitoring and review

All teaching staff are responsible for monitoring the way the school curriculum is implemented. As part of the subject leadership programme each subject area is monitored in a cycle of review and development. The curriculum policy is reviewed annually.

V.J. Gocher/C.J.Watts

January 2012 November 2015 January 2016 **V J Gocher/ S Galpin** October 2017



Appendix 1 Mission Statement

Mission Statement and Aims

The Prep School is a co-educational Independent IAPS School encompassing the Foundation Stage which is our Nursery and Reception classes (3-5 years), the Pre-Prep Department (5-7 years) and the Prep Department (7-11 years).

Our Mission Statement states that:

'At Aldenham Prep School, we provide a happy, nurturing and warm environment where quality learning takes place and the needs of each individual child are fulfilled.'

Our Key aims are:

- To ensure that each individual pupil is nurtured and encouraged to make the most of their own special talents
- To encourage a love of learning in order to aspire to academic excellence and a broad education for all pupils
- To emphasis the importance of the social, moral and spiritual dimensions of community life in a multi-cultural society
- To provide a well-planned, well organized environment giving children rich and stimulating experiences
- To foster good relationships and partnerships between pupils, parents, staff and the wider community



Appendix 2 Golden Values





Appendix 3 Long Term Plan Year 6 Curriculum Map 2017-18

Year 6 Curriculum Map 2017-18

YEAR 6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Continuous		
Literacy	Biography and Autol Different genre Science fiction Mystery Rational Stories Fantasy Power of Imagery - F Common Entrance F Historical Fiction Journalistic Writing Time Travelling Descriptions Common Entrance F	Poetry ractice	Common Entrance For story practice Balanced arguments War Horse review Poetry – Spring Balloon debates Persuasive writing Adverts Letters Balloon debates	cus – descriptions and	Recounts Diary writing Explanations Character descriptio Advertising perform Revisions of the diffe	ance	Speaking & Listening. The 'tools of the trade' – reading, handwriting, spelling, granwark & punctuation. Guided reading Comprehensions		
Maths	Piece value and rounding Negative numbers Multiplying diving by decimals including 10, 100, 1000 BODMAS Squares Square rol Square solving Autiples, factors and prime numbers Classifying shapes coundril aterais Classifying shapes coundril aterais according to their properties Clicumference and area of circle the according to their properties Clicumference and area of circle Averages	Simplifying factions Ordering fractions Adding, subtracting, multiplying, dividing fractions Multis step problems Perimeter and area Ordering fractions Adding, subtractions Adding, subtractions Finding fractions of amounts Finding fractions of amounts Finding fractions of amounts Finding decimals, fractions and percentages of amounts.	Number and place value Measurement and statistics Multiplication and division Positon and direction Practoms decimals and percentages	Algebra Addition and subtraction Time calculators	Factore, decremate and percentages Counting, partitioning and calculating Securing number facts Understanding shape including circle circumference and area	Messures and capacity Handling data	Ueing & manipulating numbers to help solve problems. Exploring & developing mental strategies.		
Science	Circulatory System	Healthy Lifestyles	Light	Electricity	Evolution and Inheritance	Classifying Animals	Using and applying science: investigation & experiments.		
Geography	Rivers		local weather and Kenya Ar rair		South America/the rainforest and The Amazon	South America/the rainforest/ Chile	Learning geographical skills		
History	Summary of	ttecs World War One			Interpreting historical evidence. Appreciating chronology & history.				
Art		nd Perspectives COLOURS		da Posters sculpture		henstein	Pupils should be taught to develop their techniques, including their		

			(x 3 session Henri Golda SCULF	control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, crait and design. Pupils should be taught to create sketch books to record their observations and use them to review and revisit ideas to improve their mastery of art and design techniques, including drawing, paining and sculpture wearple-pencil, charcoal, paint, clayl about great artists, architects and designers in history.			
D&T	None this ter	m due to exams	Make Do and Me cool		Controlla	ble vehicles	Planning, Making, Evaluating and Improving.
Computing	Coding	Spreadsheets	Blogging E-Safety	Text Adventures	Networks	Quizzing	
Music	Keyboard and notations	Carol Service	Exploring sound sources.	Lyrics & melody.	Performing together.	Music processes.	Singing and performing.
PE & Games	Football / Netball Badminton	Football /Netball Gymnastics	Rugby / Hockey Basketball	Rugby / Hockey Dance	Cricket, softball, rounders & athletics,	Cricket, softball, rounders & tennis.	It's cool to exercise. It's great to be part of a team.
RE	Buddhism	Worship and Community	Expression and visual arts	Life of Jesus	Christians belief about God	Responsibility for the environment Suffering	Faith
PSHE	Being me in my world	Celebrating difference	Dreams and goals	Healthy Me	Relationships	Changing mr	
French	Introducing read		with role-plays. Topics Food, Drink, Shops, At			t, People, House,	Writing Reading
Creative Curriculum							



Appendix 4 Medium Term Plan

Christia Buddhist and Prac Founde

y Dates	2 INSET DAYS					4					Houses of Parliament/ National Gallery			Hanukah (13 [*])	Year 6	Boys Footb all. Passin	Goalkeepi ng & Shooting.	Keeping possessio n. 3v1 (Pg 125)	Fixture v BCPS/ALPH A & QHS. (H)	Attacking/Defe nding & transition.	Fast Attack game. (Pg127)	Possession and scoring. 4v4 with Targets.		Passing recap. Long & short. Timing and	Crossing the ball. 5v5 with wingers.	Foture v Holland House. (H)	Heading & positioning recap. Throwhea	House S match S es. S	Soco Star Stree Gam
Topic	1	2	3	4	5	264	1	8 and 9	10	11	12	13	14	15		g & moving with & without	1				5	1		pace.			d/Catch.		
ar 2017	4 th Sept Plan and	11 Sept Plan and code a	18 th Sept To organise	25 th Sept Explain and use coding	2 rd Oct To create a programme using code.	9 th Oct To use code to plan, create	16 th Oct To use code to plan, create	Half Torm	6 ⁿ Nov To use a sproadshoot	13 th Nov To use formula in a	20 th Nov To use a spreadshe	27 th Nov To use a spreadshe	4 th Dec To use a	11 th Dec	Geography	conserv	local and worldv		1014	erosion and depo	ition, flooding, wa	er supplies, water		635					
nputing j' Isheets	code a progra m that uses variabl e to achiev e a desired effect.	program that uses variable to achieve a desired effect.	and debug code.	language		and debug a text based adventure.	and debug a text based edventure.	N.C.	to investigate the probability of throwing a dice.	spreadsheet to calculate.	et to plan effectively.	et to plan effectively.	spread sheet to plan effecti vely.		History Aztecs and summary of World War 1	Human	Locate where the Aztecs lived on a map and Find out who the Aztecs	Find out how the Aztecs built the ally of Tenochtiti an	Investigate how Aztec society was organised	Find out what the Aztecs believed and how this impacted on their lives.	Attec Sacrifica	Investigate what daily life was like for the Aztecs		End of the Azlecs	Remembrance Day	5 Great Powers in WW1	Causes of WW1	Life in 1 the V Trenc s hes	Tres Ven 8
nglish	Assess ment witting task: Introdu cing themse twes (paragr aphing, conjun ctions,) Speec h	Biography and Autobiogr aphy Writing: as a WW1 soldier Compretie nsion: Boy – Roald Dahl Skills: use of the comma	Science Fiction Writing: UFO Comprehe nsion: Skellig Skills: Active and passive verbs	Mystery Writing: Alma (Literacy Shed) Comprehens ion: Entrance Exam sample Skills: use of the semi colon and colon	States Witting-exam story sample test Comprohensio n: Dad (Colfins) Skills) Connoctives	Eantasy Writing continuing a fantasy tale Comprehension: Comprehension Comprehension Comprehension Comprehension Skills: subcrotinate and main clauses, complex sentences	Power of Imagery Writing, poems with imagery Comprohensio m. All the World's a Stage Skills: propositions		Historical Fiction Witting: Synopsis of War Horse (Book Jacket) Comprehens ion; War Horse (TES) Skills: Synonyms	Skills:	Journalisti o writing Produce a newspape r front page on the death of Franz Feetinand Comprehe nsion: UK Floods (TES) Skills: Tenses	Descriptio <u>ns</u> Descriptio n of fevourite meal Descriptio n of winter scene Character description Description n of Skills: revision of skills learnt	TEST	COMPR EHENSI ON Christm as Carol - Scrooge Last week of term	Music	INSET		Listening, appraising improvisin g composing & performing in the style of jazz / Harvest Prep OH clear	Listening, appraising, improvising composing & performing in the style of jazz / Harvest Prep Drop shot/lob.	Listoning, appriving, implovising composing & performing in the style of jazz (Harvest Prep Singles rules and short	NO LESSON TW AT YOUNG VOICES WORKSHOP	Canol service prep - words to learn over half term	Half Term	solo dassicom performance s/Carol service prep Vaulting. Hurdle	solo classroom performances / Carol service prep Recap Hurdle	solo classroom performan ors / Carol service prop	Straddleith	classr c oom r perfor p mance s s / C Carol s servic p e prep	solo clas m perf ano Can serv prep Hou Cror
laths	Place value: Roundi ng	Mental and Written addition and subtraction of large numbers Negative	Squares Square roots Powers of numbers Problem solving Multiples, factors and	Written methods for multiplication and Division Problem solving	Circumference and area of circle Measure and calculate unknown angles	Reading scales Converting units of measurement Impedial units	Written methods for multiplication and division with decimals	A F	Simplifying fractions Ordering fractions Adding, subtracting, multiplying, dividing	Multiply and divide decimals by 10, 100, 1000; Order of operations	2D and 3D shapes Perimeter and area of triangles and rectilinear shapes	Expressing fractions as decimals and percentage s	Finding percen tages of amoun ts Proble ms involvi	Pie charts and line graphs Mean Mode Median Range	PE PSHE Being me in my world	Class rules and	n. Banic grip. Familiaris ation skills U/H Serve. Holding Identifying fears, goals and	shot. Rallying. Drop shot/fob. Long & Short game. Understand the rights of children:	Investigate the impact of actions on	annes Use long & shoet shots. High Serve. GOOL Learn to make the right choices and	units correction put into singles games. Understand how an individual's	style tournament to assess. Two groups. Learn about democracy and how	TR	Review of democracy and how laws	step/vault over bench	of reuter board.	rough vault./mini trampet. Understan d difference	asses C sment at station s. Explai L n why a	Co
Veer 6	Made			ristmas Terr								*	Aldenha Prep Sch	am														Provense in the second	A
Drama		MOVEMEN T To use movement to suggest different characters		PHYSICAL THEATRE To progress the idea of drama through synchronised movement		PHYSICAL INEATRE Fo devise an Insemble Physical Ineatre Sequence	L.C	E of en FF Ta	REEZEFRAM level and notion into and adding theaux vant	Us in an on	IME rrime Id focus J aggeratio	COM NING SKIL Comi e skil and deve mime techn	LS bin Is		Year 6	Medi	um Term F	Plan for C	hristmas Te	rm	30	k						ng decim ls, fractic ns and perce tages	ima tio nd ten
Jrama	Grantin	Yes Let's Be Lead With Environme ntal movement Status Emotion Walk Tellion the	Telling the	Walking Charges Mirros 4 Diversity Robots	Tellegille	Super swim Object Freedo 7 Sign names effrey and lequence	X		tio amit' straint traint erres	W M Da Ro Di M OT	tinese hisper ime sity sutine sco ime catds IT	ues in duo mirme dram Sign name Duo mirme	10		Science Animats: Keeping healthy and the		Lab Safety Name the main parts of the human circulatory system, and	Double circulation. Modelling how the heart pumps blood around the body	What happens, vhen vie breathe in and out Measuring lung capacity	Function of th	e Effect of exercise on our pulse rat	tifetis of tobacco, alophol, caffoine, solvents & other drugs.	XX	What happen to our food	What make healthy diet	s a The benefits of heatlines daily living an common risks to be avoided	in ent of a areas d	em	nt
rench	green gs Forms of addres s Geogr aphy of France Europe	Telling the time Talking and writing about yourself and others	Clothes How many? Colours Prepositio ns	time Clothes	time Clothes	time Clathes F Clathes F How many? V Dotours t Prepositions C Wonths F Seasons /	Conves Colours Prepositions Mhat is here? Gender of nours Agreement of adjectives Ym he is/she is vesting	GRUEGERE	olours be repositions C fhat is Ar ender of Pro- ours ac ansement Lo	elongings be colours Co greement of Ag djectives to ossessive ad djectives Po ostificard e	alongings t of olours adjo greemen Pos of e djectives adjo ossessiv un/l	emen Chin mas ctives song sessiv tradi ns / ctives voca almon ulan ima/la	as js, song	s, Ion	Circulatory System.	Aztec Mosaic	describe the functions of the heart, blood vessels and blood Look at how	Observe an artist's	Practise	Drawthe outline of a	Add colour to	Using		Wafercolou landscape	r Create a landscape	Van Go		gh God's Eves	
	countri es Person al identity Prefere nce		Foot-work.	Attacking			\mathbf{x}	ANA -	Rink	evice all skills. Fo	ture v Gen	re Hour			Art and DT Watercolour landscapes	Art	artists use perspectiv e and investigat e ways of recreating	and accurately recreate a section	implementing David Hockney's style into our own work	fandscape, focusing on perspective	their landscap in the style of David Hockne			R	Mexico as a stimulus	landsoa S	pe landsca S	po	
ames	NETBAL L: Revise chest pass and footwor k rule.	Chest pass bource pass overhead pass how and when to use.	Post-work Passing and mov-ing. Revision of posi-tions.	Attack-ing, dodging, feint and sprint dodge, fostwork	Defending part-net with a ball and without a ball.		Picture v St. Hida's	2	th and to	o date, full He	olland pass sliand pass siste. atta) and ferro	-es, mate tking s. de-	e Neth he Festiv	ral			accuratey	I	e	Luj7				C.					



Appendix 5 Short Term Plan

Lesson Objective	Main Teaching	Pupil Activities	Resources	Cross - Curric. Hwk Links
Session 1	NO LESSON DUE TO INSET / BUSHCRAFT			
Session 2 WALT: identify the ffects of air resistance and friction by adentifying forces acting on objects acting on objects what are force a? How do they action by the work of the action force, put, put, the action of the action of the action force, put, put, the action of the action of the action force, put, put, the action of the action of the action for the action force action for the	Intra: Children to complete 'Stard' unit' te's – Reing stars. What Are Forces? Children identify the activers on the Lesson Presentation as public or public Discuss ther stees. Main Explain how forces aftect the movement of an object and discuss the different/types of force as shown on the Lesson Presentation. Identifying Forces: Children use one of the gliarentiated lead out a Force Cardfor children of the last of the start of the start of the start presentation Read out a Force Cardfor children of fit in on theil Bingo board. Look for children who can learning the different forces Plenary Force Examples: Children share ther own examples of forces acting on objects and discuss with a partner.	EIRGO Activity 1: Starters: Children use the initial letters of forces provided Main: Children refer to the opposing forces provided as a primer. Dessert: Children refer to the opposing tank table on the diagrams. Eorces in Action Activity 2: Children complete the Forces in Action Activity Sheet by dentifying the forces and their relative see. showing whether they are balanced or unbalanced: Starter: Children may use the Forces Work Mar is a promit nearmore. Main: Children may use the Forces Work Mar is a promit Dessert: Children work: Independently	Tesson pack	SMSC: encouraging chiltren to justify their options, to think about outcomes EBW: generation skills to appress know that their joins matter, and can options matter, and say their options, they that their joins of their loses of others with respect.

Session 5	Intro:	Activity 1:	 Plasticine or modelling day 	CHCC.
WALT: explore the effects of water resistance. Key Question: How does water resistance and streamlining affect the performance of a boat? Key vo cab ulary: Nater resistance, streamline, broce.	Wash Residence: Onliden docus hei bushnerses druker residence using the photograph on the Lesson Presentation as intruus. Explaint for cor o vitrate residence, referring to the diagram on the Lesson Presentation Main Streamined Shapes, Children vach, this BBC clip to identify steamined shapes, Explain steamining using the examples on the Lesson Resentation Children work in groups to conduct the mit Children work in groups to conduct the mit on the Lesson Presentation. Explaints with the shapes reliat different speeds as a result of some shapes being more streaming than other	Bud Faue: Children consiste the boat much sharp as discribed on the Lesson Presentation. Provide environment so they can make their boats, then them how bring it takes boats, then them how bring it takes to base the the how bring it takes children complete the utilization children complete the utilization discribed to the second takes their boat's performance. Look director or water needlance, and explain how they designed their boat to minimes the se effects.	m odeiling clay a identical m essuring cylinders per group Water Junk modeling m deriale Large water tray Battery powered hand held fan Stopwatch	SMSC: encouraging children to justify their opinions, to think about outcomes. FBV: develop the skills to express skills to express phonos mailer, and can challenge the ideas of others with respect.
AFL: use oftalk partners, kuly sticks, no hands up, assessing prior learning.	Ptenary Children suggest adaptations to make their boat even faster if it was raced apart.	Starter: Chidren use the key words to evaluate their boats performance Main: Chidron explain their choices when despining their boat. Refer to water resistance and streamlined ahapes in their evaluation.		
	IN-GOD-IS-ALL	OURTRUST		

Session 4	Intro: Gravity and Falling: Use the Lesson Presentation to	Activity 1. The Perfect Parachute: Explain the	Plastic sheets, such as bin	SMSC:
yAALT: Investigate Itestifatos of ar Itestifatos How does air resistance affect How does air resistance affect he time it kies for a parachute to fair? Key vo calutage Grevty, a resistance, onaleo, calite, mass, parachute, force. AFL: Lee ortak petters, joily stoks, no hade up, assessing prior keening.	replant that gravity causes capacts of the same size and shape but of different mass to lat at the same rate. Discuss Galleo's experiment and how they traves this. Childern may find this had to grave a arr residence of the cause solute to with less mass to demonstrate a favore solute to the solute to whon to address this implements on the less of the solute to be the less on Presentation to affect to be the failing whom on Earth. Children discuss the user of a residence and how this affect to be the failing whom on Earth. Children the same using the dagrees on the less of the solute the solute to the solute to be the sky dwing Report Active Y sheet.	context of the investigation using the lesson Preservation. Ensure childron understand how to make the different parchules. Children diskuss the possible variables, then uses on Preservation. Children choose their molepoindert, dependent and controlled variables for their investigation. They should redrof their choose and their prediction on the differentiated Hernick Parachules kituity Store, Children complete their results on the activity should be full of the activity should be full of air resistance on officient who can plan and carry out their who ministigation include effects of air resistance on officient parachules Starties Children isse pirompt to select their vanates	bags or plastic bags - P gard - Card - Sting - Sting - Starty - S - Starty - Starty	and tracing children to justify their opinions, to think about think about think about their opinions, know that their opinions matter, and can chalenge the ideas of others with respect.

Session 3	Intro:	Activity 1:		
Session 3 WALT: ceptain the effect of ranke on insumorted policits. Rey Outestion: Key Outestion: Key Outestion: Edwards, force, Isaa Hanke, newba, mass. AFL: use ottak portors, joby acids, adsessing prior learning.	Intro: Falling Down: Children discuss their rides about gravity using the cation on the Lesson Presentation. Explain the force of gravity using the information on the Lesson Presentation. Main Discovering Gravity: Children watch this clip until approximately i moule 38 seconds to find out about how this clip until approximately i moule 38 seconds to find out about how this clip until approximately i moule 38 seconds to find out about how this clip until approximately in the difference Eelween weight and mass, and how to measure them, using the clip to find out more about weight and mass http://www.bbc.co.uk/education/clink/gravity Breany Plenay Plenay Plenay Plenay Lesson Presentation.	Activity 1: Children use the Newton and Gravity Fact Sheet to answer the comprehension questions on the differintiata Newton and Gravity Activity Sheet Look of exploited who can explain task Newton's role of a discovering more also gravity Sharter. Answer literal questions based on the fact Sheet Sharter. Answer literal questions based on the Fact Sheet Activity 2: Measure the Force of Gravity. Explain how children will measure the weight and mass of different dojets and both of the short of para Look for children the sheet of and conclusion, and conside the uncertainting para Look for children who can measure the weight of objects and who can explain that the dirativity outing dow. Stater Use prompts to make marker the spring the explaint that the explandation of gravity, weight and mass.	Newton metres Objects to be measured Clear bags with handles	SMSC: encouraging children to justly their opinons, to outcomes. FBV: develop the skills to express know that their opinions matter, and can opinions matter, and can belass of others with respect.
	1 AR			

Session 7	Main	Identifying Mechanisms:	https://vime	100000
	What Are Mechanisms? Briefly explain	Children identify the type of	o.com/9074	SMSC:
WALT: explore	mechanisms using the information on the	mechanisms used in the objects	0904	encouraging
and design	Lesson Presentation.	shown on the		children to justify
mechanisms.		Lesson Presentation. Share the		their opinions, to
	Organise children into groups of three. Children	answers with the children.		think about
Key Question:	split up as described on the Lesson			outcomes.
What Are	Presentation and move to different tables. On	Marvellous Machines: Children		
Mechanisms?	the table they should find the pre-cut jigsaw	design their own crazy machine		FBV: develop th
	pieces from the Mechanism Facts Activity	that uses lots of mechanisms to		skills to express their opinions.
	Sheet. Children read the facts and piece the	achieve a simple aim. Children		know that their
Key vocabulary:	jig saw back together, making notes on their	can choose a card from the pre-		opinions matter.
Mechanism, lever,	Mechanisms Jigsaw Activity Sheet, Children go	cut Machine Aim Cards Activity		and can
gear, cog, pulley,	back to their original group of three and share	Sheet to select an aim for their		challenge the
machine, force.	their findings, completing their Mechanisms	machine, or they can think of		ideas of others
	Jigsaw with the new information from their group	their own aim. Children draw and		with respect.
AFL: use of talk	members.	explain their designs on the		
partners, Iolly sticks,		differentiated Marvellous		
no hands up	Cracking Contraptions: Discuss the different	Machines Activity Sheet. Once		
assessing prior leaming.	machines shown on the Lesson Presentation.	finished, children share their		
e anning.	Point out that the machines use many different	machine designs with a partner,		
	mechanisms to achieve a simple purpose. If you	and evaluate each other's		
	wish, children could watch this 'Tellyscope'	machine and explanation.		
	episode of Wallace and Gromit's Cracking	2 2		
	Contraptions'.	Starter: Children use the		
	https://vimeo.com/90740904	sentence starters and key words		
	Use the pictures on the Lesson Presentation to	to structure and scaffold their		
	discuss some examples of the different	explanation and evaluation.		
	mechanisms.			
		Main: Children explain and		
	Plenary (1)	evaluate independently.		
	Children to complete end of unit assessment.	A.TRUS/		

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Session 6 WALT: investigate the affects of friction. Key ou cabulary: What is Friction? Key vo cabulary: Friction force, trake, variable, reliable. AFL: use of tab AFL: use o	Intro: What Is Friction? Children discuss the statements about friction and decide if they are true of falles. Share the answers and explain them using the dentation on the Lesson Presentation. Main Friction in Action: Children watch this cipto observe the way brakes utilise the force of friction. Explain how brakes work using the information on the Lesson Presentation. http://www.bhc.co.uk/education.etr ms/s12/11 Design a Brake Padi Explain the context of the investigation and how to carry it out refering to the Lesson Presentation.	Reliable Results Discuss the variables with the children, pointing out the need for consistency with the controlled variables in draft to gather reliable results. Groups of children discuss how they can try to keep the controlled variables consistent End the first Drack Pada Children complete their prediction on the differentiated investigating Encline Activity Sheat. They with their conduct the trive stigation and complete the table on the activity sheat with their results. Once completed, the children will demonstrate which material they thank makes the best brake pad, and explain their choice on the activity sheat they will be Starter. Use key words to explain their prediction and choice of material. Main: Write their own explanations. Dessert: Make generalisations about the properties of materials that create most function.	Tricycles (dealy care), con- positive) Trice part of the production of the process process process care of the set (e.g., care of, vm, M of the set (e.g., care of the set (e.g.,	SMSC: strate and strate of the second strate of th
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Curriculum Policy

Document History

Date:	Pages:	Amendments:	Reason:	Name:
Oct 17		Update Planning examples		SG