🛱 Orton 🕻	Wistow Pr	imary Se	chool	- Curi	riculun	n Plar	D			
Subject: Maths	Ye	or:	Ą		Unit : I	Number (and Plac	e Value		
						M.				
Vocabulary	Knowle What childre	n will know	What ch	Jnderstandir nildren will ur	ng Inderstand	What chil	Skills What children will be able to Learning Teaching Asses			
Define the word and include	Learning Teach	Assessment	Learning	Teaching	Assessment	Learning	Teaching	Assessment		
Tenths, hundredths Decimal (places) Round (to nearest) Thousand more/less than Integers - a number which is not a fraction; a whole number From the Latin meaning intact, whole Negative - a number which is less than zero Positive - a number which is greater than zero Negative integers - When referring to negative numbers always use this language not minus, e.g. negative 4 rather than minus 4 Count through zero Consecutive numbers- numbers that follow each other in an unbroken	 Pupils know the R from 1 to 100. Pupils know that system there is no so no placeholde Pupils know that number system c include the conce place value Pupils know to loo column when rou nearest 10 Pupils know to loo column when rou nearest 100 Pupils know to loo column when rou nearest 100 Pupils know to loo column when rou nearest 100 Pupils know to loo hundreds column to the nearest 10 Pupils know to loo hundreds column to the nearest 10 Pupils know the loo hundreds column to the nearest 10 Pupils know that of ten hundreds Pupils know there and 4 25s in 100 Stem Sentences 'The whole is divided parts; each part is on 	in the Roman or symbol for zero over time, the hanged to ept of zero and ok at the ones unding to the ok at the tens unding to the ok at the tens unding to the ok at the tens unding to the owner rounding 00 1000 is made up e are 2 25s in 50 into ten equal e tenth of the	 Pupils un same au betwee Pupils un and 3-d line in ou Pupils un is in the conven ending Pupils un multiple number Pupils un multiple Pupils un number Pupils un number Pupils un number Pupils un number Pupils un can be ways, e equal to Pupils un number Pupils un context 	nderstand what is diff in the number inderstand the igit numbers of reder to round inderstand that middle of 0 at tion is that any in 5 is rounded inderstand whi is of 100 a three sits between. now which mud four-digit num is made up of derstand that partitioned in g. 5000 + 300 of 4000 + 1300 inderstand that is below zero inderstand that is below zero inderstand that is below zero inderstand that is below zero inderstand that is below zero	at is the erent resystems position of 2 on a number up or down it although 5 nd 10, the y number d up ich two be-digit ultiples of umber sits it a four-digit f thousands, nes it numbers various + 20 + 9 is + 10 + 19 it there are	 Count ir 1000 Find 100 given nu Count b include Order a beyond Round r 100 or 10 Identify using co and nur Read Ro C) 	n multiples of 0 more or les umber back through negative nur nd compare 1000 numbers to th 000 and represer oncrete mate nerals	6,7,9,25 and s than a zero to nbers numbers e nearest 10, nt numbers rials, pictures als to 100 (I to		

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Vocabulary	What	Knowledge	I know	l What ch	Jnderstandir vildren will ur	ng Inderstand	Skills			
Define the word and include	Learning	Teaching	Assessment	Learning		Assessment			Assessment	
etymology if useful.	Remembering	Telling	Testing	Practising	Coaching	Observing	Reflecting	Facilitating	Evaluating	
Roman numerals (I to C)	One tenths c tenths c One is equa tenths p ten tenths, w 'The whole is equal parts; hundredth o To compare compare dig value, startin value digit.	an be written an be written I to ten tenths blus tenth which is equal s divided into each part is o of the whole.' two numbers gits with the so ng with the lar	as 0.1 so as 0 s. sis is equal to to one. one hundred one s, we ame place gest place-							

	Orton W	listow	Primary	School -	- Curr	iculum	Plan	
Subject : M	aths		Year :4			Unit :Ad	diffion and §	Subtraction



PAGE 2

Vocabulary	What	Knowledge What children will know			Inderstandir iildren will ur	ng Inderstand	What chi	Skills Idren will be	able to do	
Define the word and include etymology if useful.	Learning Remembering	Teaching Telling	Assessment	Learning Practising	Teaching Coaching	Assessment Observing	Learning Reflecting	Teaching Facilitating	Assessment Evaluating	
Addition Add, more, and, make, sum, total, altogether Double Near double Half, halve One more, two more ten more Addends – the numbers added together to make the sum Subtraction Take away, minus, fewer, less, difference between One less, two less ten less Minuend – a quantity or number from which another is to be subtracted Subtrahend - a quantity or number to be subtracted from another. Equals Is equal to, is the same as Number bonds Number pair Number facts Part, part, whole Partition Recombine Missing number Tens boundary / Hundreds boundary Commutative - involving the condition that a group of quantities connected by operators gives the same result	 Pupils kn 100 are sum or c multiple Pupils kn exchang Pupils kn to use m to use w Pupils kn roundec to indicc Pupils ur use the s learnt fo when co numbers 	now that whe added or sub difference is a of 100. now how to re- ges now when it is nental strateg ritten strateg now that num d to simplify c ate approxim nderstand that same calcula or three-digit r alculating fou s.	in multiples of ptracted, the always a ecord a appropriate jies and when ies abers can be alculations or iate sizes. at they can ation methods numbers ur-digit	 Pupils ur are nee Pupils ur exchang Pupils ur exchang Pupils ur where th exchang 	nderstand wh ded nderstand mu ges within an nderstand wh ge in different nderstand sub nere is more th ge	y exchanges Itiple addition en to t place value otractions han one	 Use con represe subtract Use form column- subtract number Use kno estimate calcula Use inve answers Solve tw context Use bar problem Can rec calcula predict Pupils co methoc subtract 	increte objects intations to ad t nal written me ar addition ar tion of up to 4 s wledge of rou e the answer tion erse operation s vo-step proble s modelling to ns cognise patter tions to enabl answers an compare of s of addition tion	and pictorial d and thods of nd -digit unding to to a s to check ems in solve them to different and	
									PAGE 3	

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Vocabulary	Knowledge			l	Understandin	g		Skills		
	What	children wil	l know	What ch	nildren will un	derstand	What children will be able to a			
Define the word and include	Learning	Teaching	Assessment	Learning	Teaching	Assessment	Learning	Teaching	Assessment	
etymology if useful.	Remembering	Telling	Testing	Practising	Coaching	Observing	Reflecting	Facilitating	Evaluating	
whatever the order of the quantities involved, e.g. $a \times b = b \times a$.										

Subject : Mathematics	Wistov	V Prim Vear :	ary Sc 4	chool ·	- Cun	riculur Unit:	n Plan Multiplica) Mion and	l Division			
								M.)			
Vocabulary	Knowledge What children will know			Knowledge What children will know			Understanding What children will understand			Skills What children will be able to do		
Define the word and include etymology if useful.	Learning Remembering	Teaching Telling	Assessment Testing	Learning Practising	Teaching Coaching	Assessment Observing	Learning Reflecting	Teaching Facilitating	Assessment Evaluating			
MultiplicationMultiplyMultiplied byGroups ofTimesRepeated additionMultiple - The result of multiplying anumber by an integer (not by afraction).	 Pupils wi and divis Pupils kn multiplie product Pupils kn multiplie product same. Pupils kn times tal product 	II know the mu sion facts up t low that any r d by zero will of zero. low that when d or divided b or quotient rel low that produ- ole are double s in the 6 time:	Ultiplication o 12 x 12. humber have a n a number is by 1, the mains the ucts in the 12 e the s table.	 Pupils un multiplic division i Pupils un number same as Pupils un number the sam Pupils un happen 	nderstand that ation is common s not. Inderstand matern ten times big "multiply by Inderstand matern a hundred tir e as "multiply inderstand who ing to the pla	It nutative but ger is the 10.' king a mes bigger is by 100.' at is ice value of	 Pupils wi and pict show mu including by 10 ar Pupils co of 6, 7 a Pupils wi method multiply digit nur 	Il use concret torial represer ultiplication and g multiplying of an count in eo nd 9. Il be able to u s, e.g. partitio two-digit num nbers.	re resources ntations to nd division, and dividing qual groups use mental ning to nbers by one-			



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Vocabulary	Knowledge What children will know	Understanding What children will understand	Skills What children will be able to do
Define the word and include etymology if useful	Learning Teaching Assessment Remembering Teiling Testing	Learning Teaching Assessment Practising Coaching Observing	Learning Teaching Assessment Reflecting Facilitating Evaluating
Factor - Numbers we can multiply together to get another number. Multiplicand – The number to be multiplied Multiplier – The number by which the multiplicand is multiplied by Product – The result of a multiplication Multiplication: $6 \times 3 = 18$ Factor Product (or Multiplier) (or Multiplicand)	 Pupils know that multiplying by 100 is equivalent to multiplying by 10 and then multiplying by 10 again. Pupils know that dividing by 10 again. Pupils know that dividing by 10 and then dividing by 10 again. Pupils know that when using the 'short multiplication' algorithm, you start from the least significant digit (on the reight) to the most significant digit (on the left). Pupils know that if the product in any column is ten or greater, we must 'regroup'. Pupils know that objects can be divided into equal groups and sometimes this leads to a remainder. 	 each digit when multiplying or dividing by 10 or 100. Pupils understand that multiplication facts can be derived from related known facts by partitioning one factor (distributive law) e.g. 6x3 can be found by (2x3) + (4x3). Pupils understand that they can use the distributive law to derive multiplication facts beyond the known times tables. 	 Pupils will be able to partition three-digit numbers into hundreds, tens and ones to multiply by a single digit number. Pupils will be able to use formal written methods to multiply two- digit numbers and three-digit numbers by one-digit numbers.
Division Dividing Divide Divided by Divided into Grouping Sharing Shared equally Left over Remainder Equal groups of Dividend – The amount that you want to divide up.	Stem Sentences "The product of and is equal to the product of and" "When zero is a factor, the product is always zero." "When the dividend is zero, the quotient is zero." " is equal to plus so times plus time is equal to times"		



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Vocabulary	What	Knowledge children wil	know	l What ch	Inderstandir hildren will ur	ng Inderstand	What chil	Skills dren will be	able to do	
Divisor – The number we divide by. Quotient - The answer after we divide one number by another.	Remembering "Multiplying equivalent to then multiply	Telling by one hundr o multiplying l <i>i</i> ing by ten ag	Testing ed is by ten and gain."	Practising	Coaching	Observing	Reflecting	Facilitating	Evaluating	
dividend ÷ divisor = quotient. Commutative law - The Law that says you can swap numbers around and still get the same answer when you add or when you multiply.	"If one factor size, the proc size." "If one facttl times the size times the size	or is made ten duct will be te he dividend is e, the quotien e."	times the en times the made ten t will be ten							
Ditributive law - multiplying a number by a group of numbers added together is the same as doing each multiplication separately. Doubling Halving Array	"If the divide divisor there "If the divide divisor, there "The remaine divisor."	end is a multip is no remainc end is not a m is a remaind der is always l	le of the ler." ultiple of the er." ess than the							
Multiplication table Multiplication fact Division fact										



							Skills			
Vocabulary	Knowledge What children will	know	What cl	Understandir nildren will ur	ng Inderstand	What ch	Skills nildren will be	able to do		
Define the word and include etymology if useful. fraction unit fraction – a fraction with a numerator of 1 Non-unit fraction – a fraction where the numerator is greater than 1 equivalent fraction – equal in value mixed number – a whole number and a fraction combined into one number numerator, denominator equal part equal grouping equal sharing parts of a whole half, two halves one of two equal parts	 Knowledge What children will Learning Teaching Pupils know that when the numerator and de by the same number, an equivalent fraction Pupils know how many make a whole. Pupils know a mixed micontains a whole num fraction. Pupils know that when fractions with the same denominator, you only numerator and the de remains the same. Pupils know that when fractions with the same denominator, you only numerator and the same. Pupils know that when fractions with the same Stem Sentences Each interval is divided interparts, so we count in quart 1 is between 1 and 2. Th 	know Assessment Testing you multiply nominator the result is , / equal parts umber ber and a adding e / add the mominator subtracting e / subtract the same. o 4 equal ters.	What cl Learning Practising Practising Pupils u betwee denom equival Pupils u multiplic used to Pupils u partition number make c Pupils u use unit	nderstand the coaching Coaching Coaching Coaching nderstand the tor and denote nderstand the nator when re- ent fractions. nderstand tha cation and div find equivaler nderstand how a fraction usic bonds in order ne whole. nderstand how fraction of a v fraction of a v	meaning of minator. relationship tor and ecognising t trision can be nt fractions. w to ing $\frac{3}{5}$ er to $\frac{1}{5} \frac{2}{5}$ whole to find a whole.	What ch Learning Reflecting Pupils of Pupils of backw Pupils of fraction repress Pupils of use from walls the equive fraction Pupils of propole reason fraction Pupils of pictoring repress Pupils of Pupils of pictoring repress Pupils of Pupils of	SKIIIS nildren will be Teaching Facilitating can use a num ent hundredths can count forw vards in hundre can recognise ns in different entations. can can of find alent ns. can can use concreating al representation can use concreating al representation can use bar mode can use bar mode	able to do Assessment Evaluating ber line to rard and sths. and name		
quarter, two quarters, three quarters one of four equal parts one third, two thirds one of three equal parts	whole number is 1. The ne number is 2. When the numerator is a n the denominator, the fract equivalent to a whole num	xt whole nultiple of tion is nber.				 whole. Pupils record as a m Pupils a who 	can add fractio I answers great ixed number. can subtract fro Ie amount	ons and er than one actions from		



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Vocabulary	Knowledge What children will know			l What ch	Inderstandir nildren will ur	ng Inderstand	What chil	Skills What children will be able to do		
Define the word and include etymology if useful.	Learning Remembering	Teaching Telling	Assessment Testing	Learning Practising	Teaching Coaching	Assessment Observing	Learning Reflecting	Teaching Facilitating	Assessment	
sixths, sevenths, eighths, tenths, hundredths	There are 2 g is 10 fifths and fifths. We have 21 of to 1 (whole). groups of 8 e eighths. This is 7 one-fifths p 11 one-fifths. When adding denominator numerators. fractions with just subtract	proups of five d 3 more fifth eighths. 8 eig 21 eighths is ighths, and 5 s 2 and 5 eig lus 4 one-fifth g fractions wi rs, just add th When subtra the numerato	-fifths, which is. This is 13 whiths is equal equal to 2 more hths. Ins is equal to the same e incting enominators, prs.	-			Pupils controls how to find whole.	an use bar ma ind non-unit f	odels to show ractions of a	

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Subject : Mathema	atics		Year:4		Unit : Decimals	



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Vocabulary	Knowledge What children will know			What c	Understandir hildren will ur	ng nderstand	Skills What children will be able to do			
Define the word and include	Learning	Teaching	Assessment	Learning	Teaching	Assessment	Learning	Teaching	Assessment	
etymology if useful.	Remembering	Telling	Testing	Practising	Coaching	Observing	Reflecting	Facilitating	Evaluating	
tenths hundredths decimal decimal fraction decimal point decimal place decimal equivalent	 Pupils kn 0.1 Pupils kn in 1. Pupils kn much as Pupils kn in 0.1. Pupils kn much as Pupils kn 1/100 = 0 Stem Senten 1 is 10 times One-tenth is hundredth. 1 is 100 times hundredth. 10 tenths is e 10 hundredth 100 hundredth 	now that 1 ten now that there now that 1 is 10 s 0.1. now that 1 is 10 s 0.01 now that 0.1 is s 0.01 now that 0.1 is s 0.01 now that 1 hur 0.01 ces the size of one 10 times the s s the size of or equal to 1 one hs is equal to ths is equal to	th = 1/10 = a are ten 0.1 0 times as a are ten 0.01 10 times as adredth = e-tenth. ize of one- ne- s. 1 tenth. o 1 one.	 Pupils of are equivalent of the equ	understand the uivalent to 1. understand the edths are equiv can understand of each digit in decimal place understand the aring numbers, ith comparing ace with the lar understand wh he number is b ual parts and is r. understand wh the number is b ual parts and is r. understand the a place holde understand how er with 1 decim arest whole nu	at 10 tenths at 10 valent to one d the place a number s. at when they need to the digits in rgest value. en dividing being split into 10 times wen dividing being split and is 100 e importance er. w to round a ial place to imber.	 Pupils c consistii Pupils c make 1 Pupils c fraction Pupils c fraction Pupils c number Pupils c show a tenths c Pupils c decimc Pupils c as 1 ten Pupils c and hun decimc Pupils c number Pupils c a numb Pupils c hundred 	an read and y ng of ones and an regroup 10 an rewrite ten to a decimal an place a de or a number an use Base 1 decimal cons and hundredth an write fracti- ils. an write tenth ils. an write tenth ils. an write tenth ils. an write tenth ils. an regroup 10 th. an combine of ndredths to m il number. an add/subtro- per. an add/subtro-	write numbers d tenths.) tenths to ths from a l. ecimal r line. 0 blocks to sisting of ones, ns. ions as d numbers as as d numbers as lredths as) hundredths ones, tenths ake a and order nal places. act tenths to act ber.	



Orton Wistow Primary School – Curriculum Plan



Subject : Maths

Year:4

Unit : Statistics

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Vocabulary	What	Knowledge t children wil	. I know	Understanding What children will understand			What chil	Skills What children will be able to do		
Define the word and include etymology if useful.	Learning Remembering	Teaching Telling	Assessment Testing	Learning Practising	Teaching Coaching	Assessment Observing	Learning Reflecting	Teaching Facilitating	Assessment Evaluating	
count, tally, sort, vote survey, questionnaire, data graph, line graph represent group, set list, table, chart, frequency table label, title, axis, axes, origin, horizontal axis, vertical axis diagram compare, sum, difference	 Pupils kr most ap their ow key will I for a pic Pupils kr show ch as temp They kno Pupils kr rather th emphas trend in values. Pupils kr represer 	now which sco propriate whe n bar charts o be the most a stogram. now that line g nanges of a vo perature, over tow about cor now that using nan solid lines ises that they the change, now that the o now that the o	ale will be the en drawing and which appropriate graphs can ariable, such time. atinuous data. g dashed is useful, as it show the not the exact axes iriables.	 Pupils un data. Pupils un addition skillsblod Pupils un temperat so repre pictogra appropil Pupils un line grap known f reading only giv 	nderstand how n and subtract of and subtract of and subtract of answer q nderstand that ature can chat her than be can senting it as a am would not riate. Inderstand that of specific tim off any other e an estimate.	v to interpret v to use key tion juestions. t inge all the ounted, and bar chart or be t for many s are only ies and values will	 Pupils co and the or picto Pupils co and diff discrete Pupils co about th charts a Pupils co of scale graph a Pupils co scales to graphs, the axes Pupils co and cho 	an gather the n present it as gram. an solve comp erence proble data. an ask their owne data in pict an ask their owne an apply their s on a graph inccurately. an use their kno o accurately. an use their kno o accurately. an accurately.	ir own data s a bar chart parison, sum ems using wn questions tograms, bar knowledge to read a line nowledge of draw line they label plot data ate scales.	



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Vocabulary	Knowle What children	ge will know	ا What ch	Jnderstandin nildren will un	i g Iderstand	What chi	Skills Idren will be	able to do
Define the word and include etymology if useful.	LearningTeachingAssessmentRememberingTellingTesting		Learning Practising	Teaching Coaching	Assessment Observing	Learning Reflecting	Teaching Facilitating	Assessment Evaluating
Coordinates Axes X axis Y axis Quadrant First quadrant clockwise, anticlockwise compass point north, south, east, west, N, S, E, W north-east, north-west, south-east, south-west, NE, NW, SE, SW horizontal, vertical, diagonal translate, translation movement whole turn, half turn, quarter turn, three-quarter turn rotate, rotation angle, is a greater/smaller angle than degree right angle acute angle obtuse angle reflection straight line	 Pupils know how t coordinates. Pupils know that v and writing coord is read first. Pupils know the ne coordinates withir Pupils know that v shapes, each vert the same movem Pupils know that v shapes, you move first (left /right) be along the Y axis (u Stem Senteces "The polygon has bee squares to the right ar down." "First count along the count along the y-axis 	hen reading hates, the X axis tation of brackets. hen translating ex must make ent. hen translating along the X axis ore moving b/down) htranslated 4 d 3 squares	 Pupils un the dista and aca Pupils un be plott betwee Pupils un translati itself do 	nderstand why ance from 2 lo curate position nderstand tha ed on grid line n them. nderstand tha ng a shape, th es not change	y describing ocations gives n. t points must es not t when ne shape e.	 Pupils c position Pupils c accuration Pupils c vertices Pupils c given th vertex c Pupils c to transition 	an use the grid an describe p tely. an describe th from the x an an describe a the final coordi of the shape. an use a coor ate figures.	d to describe osition ne position of d y axis. translation nates of one dinate grid





Subject : Mathematics

Unit : Properties of Shape

							M.			
Vocabulary	Wha	Knowledge t children wil	. I know	l What ch	Inderstandiı nildren will ur	ng nderstand	What chil	Skills What children will be able to do		
Define the word and include etymology if useful.	Learning Remembering	Teaching Telling	Assessment Testing	Learning Practising	Teaching Coaching	Assessment Observing	Learning Reflecting	Teaching Facilitating	Assessment Evaluating	
2-D shape Polygon (from Greek "many-angled) Quadrilateral (Latin quadrilaterus, from quadri- "four" and latus "the side, flank of humans or animals, lateral surface,") Regular, irregular Vertex, vertices sides point, pointed <u>Triangles</u> Isosceles (Greek isoskelēs, from isos 'equal' + skelos 'leg'.) Scalene (Greek skalēnos 'unequal'; related to skolios 'bent'.) Equilateral (Latin aequilateralis, from aequilaterus 'equal-sided') <u>Quadrilaterals</u> Square Rectangle Rhombus Parallelogram Trapezium <u>3-D shape</u> Face Edge	 Pupils ki more th 90 degr Pupils ki exactly Pupils ki is great than 18 Pupils ki degree Pupils ki equal ki Stem Senter "This is a reg of the sides all of the int "This is a line splits the she which are n 	now that an a ian 0 degrees rees. now that a righ 90 degrees. now that an o er than 90 deg 0 degrees. now that equil s have equal s. now that a rha ength sides bu <u>nces</u> gular polygon, are the same erior angles an e of symmetry ape into two e nirror images."	cute angle is and less than ht-angle is btuse angle grees and less lateral vertices of 60 ombus has t not angles. because all length, and re equal. " because it equal parts	 Pupils ur polygon triangles which th and the Pupils ur shape is Pupils ur angled isoscele cannot Pupils ur a type c Pupils ur symmet the shap parts wh another 	nderstand reg s, including es and squares ne side-length angles are e nderstand wh a polygon of nderstand that triangles can s or scalene t be equilater of rectangle. nderstand that of rectangle. nderstand that ry exists within be can be spl nich are a refl	gular equilateral s, as those in as are equal equal. hether a r not. at right- be either riangles but al triangles. at a square is at where line n a shape, lit into two lection of one	 Pupils concheck if smaller for smaller for smaller for smaller for size of a decend. Pupils concheck different in shape. Pupils concheck different and 'equils concordi. Pupils concheck different and 'equils concordiate and 'equils concord	an use an ang an angle is lo han a right an an compare of ngles in ascer ing order. an identify an trepresentations trepresentations an classify trian an classify quo ng to their pro- an Identify line res presented ions. an reflect sha netry and com- ric figure or po- to a specified ry	gle tester to rrger or ngle. and order the nding and gles in ons, including rid. ngles using , 'scalene' adrilaterals operties. e symmetry in in different pes in a line nplete a attern with d line of	

Year:4



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Vocabulary	Knowledge What children will know			Understanding What children will understand			Skills What children will be able to do			
Define the word and include etymology if useful.	Learning Remembering	Teaching Telling	Assessment Testing	Learning Practising	Teaching Coaching	Assessment Observing	Learning Reflecting	Teaching Facilitating	Assessment Evaluating	
vertex, vertices apex prism <u>Angle</u> Right-angle Acute obtuse Clockwise Anti-clockwise <u>Line</u> Horizontal Vertical Parallel Perpendicular										

	Orton	Wistow	Primary	School	- Curri	iculum	Plan	
Subject : M	aihematics		Year:4			Unit : Le	ngth and P	erimeter



			M.			
Vocabulary	Knowledge What children will know	Understanding What children will understand	Skills What children will be able to do			
Define the word and include etymology if useful.	LearningTeachingAssessmentRememberingTellingTesting•Pupils know that 100 cm = 1 m	Learning Teaching Assessment Practising Coaching Observing	LearningTeachingAssessmentReflectingFacilitatingEvaluating•Pupils can convert centimetres to			
measure measurement size compare measuring scale length height width depth perimeter - The distance around a two-dimensional shape. millimetre - one thousandth of a metre centimetre - a combination of the Latin word for "hundred," centum, and the French mètre. metre - from French mètre, from Greek metron 'measure' kilometre - one thousand metres ruler metre stick tape measure	 Pupils know that 100 cm = 1 m. Pupils know that 10 cm = 0.1 m. Pupils know that 100 m = 0.1 km. Pupils know that 100 m = 0.1 km. Pupils know that 10 m = 0.01 km. Pupils know that 10 m = 0.01 km. Pupils know that 1 cm = 100 mm. Pupils know that 10 cm = 100 mm. Pupils know that rectilinear shapes are shapes where all the sides meet at right angles. Stem Sentences There are 10 millimetres in 1 cm so to convert millimetres to centimetres, you need to divide by 10. For every 1 centimetres, there are 10 millimetres, so to convert centimetres to millimetres, you need to divide by 10. There are 100 centimetres in 1 metre so to convert centimetres to millimetres, you need to divide by 100. For every 1 metre, there are 100 centimetres to metres, you need to divide by 100. For every 1 metre, there are 100 centimetres, you need to divide by 100.	 Pupils understand how to multiply or divide by 1000 to convert between metres and kilometres. Pupils understand that you can calculate the perimeter of a rectilinear shape by counting squares on a grid. Pupils understand how to find the perimeter of rectangles (including squares) that are not on squares paper. Pupils understand that there is more than 1 way to find the perimeter of rectangles. Pupils underdstand how to find missing lengths of rectangles (including squares) when given the perimeter of a shape. 	 Pupils can convert metres to centimetres. Pupils can convert metres to kilometres. Pupils can convert kilometres to metres. Pupils can convert centimetres to millimetres. Pupils can convert millimetres to centimetres. Pupils can measure in centimetres using a ruler. Pupils can find the perimeter of 2-D shapes. Pupils can investigate the possible perimetres of rectangles and squares. 			



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Vocabulary	What	Knowledge children wil	know	l What ch	Jnderstandir nildren will ur	ng Inderstand	Skills What children will be able to do			
Define the word and include	Learning Teaching Assessment			Learning	Teaching	Assessment	Learning	Teaching	Assessment	
etymology if useful.	Remembering	Telling	Testing	Practising	Coaching	Observing	Reflecting	Facilitating	Evaluating	
	The perimetr around a 2D To calculate square, mec side and mu To calculate rectangle, fin and the bree	e is the total l shape. the perimete sure the leng ltiply by 4. the perimetre and the sum of dth and then	ength r of a th of one e of a the length multiply by 2.							

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Subject : Mathematics Year : 4				Unit : Money						
								M)	
Vocabulary	What	Knowledge children wil	I know	l What ch	Jnderstandin nildren will un	g derstand	Skills What children will be able to do			
Define the word and include etymology if useful.	Learning Remembering	Teaching Telling	Assessment Testing	Learning Practising	Teaching Coaching	Assessment Observing	Learning Reflecting	Teaching Facilitating	Assessment Evaluating	
money coin penny, pence, pound price, cost	 Pupils kn Pupils kn When control know the compared of the compared value. 	ow that $\pounds 1 =$ ow that 10 x omparing am e order of the e based on th	100p 10p = £1 ounts, pupils digits to neir place	 Pupils ur notatior Pupils ur decimal pounds 	nderstand dec 1 for pounds a 1 derstand why 1 point betwee and the penc	cimal nd pence. 7 we write a en the ce.	 Pupils can convert between pounds and pence. Pupils can compare amounts of money with different amounts of pounds. 			



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								SW.		
Vocabulary	Knowledge What children will know				I What ch	Understandin nildren will un	ig iderstand	Skills What children will be able to do		
Define the word and include	Learning	Teaching	Assessment	L	Learning	Teaching	Assessment	Learning	Teaching	Assessment
buy, bought, sell, sold spend, spent pay change dear, costs more cheap, costs less, cheaper costs the same as how much? how many? total				•	Pupils ur betwee Pupils ur decima line whe pound. Pupils ur of the p amount pence i	nderstand the $n \frac{1}{10}, \frac{1}{100}$ and 1 nderstand how 1 numbers on den rounding to nderstand the lace holder w s, e.g. three p s written as £3	equivalence 0p and 1p. v to put a number o the nearest importance hen writing ounds and 5 .05 not £3.5.	 Pupils ca money v pounds Pupils ca nearest 	an compare of when the amo are the same an round amo £ and the neo	amounts of ount of ounts to the arest £10.

	Orton Wiste	\mathbb{W}	Primary Schoo	I – Cur	ric	culum Plan	
Subject : Ma	thematics		Year:4			Unit : Time	



									01	WPS Curriculum 2.0		
									SWY			
Vocabulary	Knowledge What children will know			Understanding What children will understand				Wha	Skills What children will be able to do			
Define the word and include etymology if useful.	Learning Remembering	Teaching Telling	Assessment Testing	L	earning Practising	ing Teaching Assessment ng Coaching Observing		Learn Reflecti	ng Teaching	Assessment Evaluating		
time days of the week, Monday, Tuesday months of the year (January, February) seasons: spring, summer, autumn, winter day, week, weekend, fortnight, month, year, century morning, afternoon, evening, night today, yesterday, tomorrow before, after earlier, later next, first, last midnight noon calendar, date now, soon, early, late, earliest, latest quick, quicker, quickest, quickly slow, slower, slowest, slowly old, older, oldest new, newer, newest takes longer, takes less how long ago? how long will it be to? how often? always, never, often, sometimes usually once, twice	 Pupils k second Pupils k second Pupils k months 	now the nur is in 1 minute now the nur is in 10 minu now the nur in a year.	mber of e. nber of tes. mber of	•	Pupils u many r determ Pupils u differer and p. Pupils u relation multiply conver	inderstand the ninutes past ines the digi- inderstand the nce betweer m times. Inderstand the nship betweer ying by 6 and ying by 60 whe ting times.	hat how the hour tal time. he n a.m times he n d hen	 Pu min an Pu to Pu an Pu no Pu no Pu no Pu du an Pu du an 12- Pu co Pu seco 	bils can tell time nute and hour us alogue clock. bils can use a.m. describe the tim bils can use a clo d tell time. bils can use 12-h tation. bils can use 24-h tation. bils can convert ie into 24-hour tim sa. bils can determin ration of time usi alogue and digi and 24-hour tim bils can use a nu mpare 12- and 2 bils can convert conds and vice v	to the sing an . and p.m. e of day. ock to show our time our time 12-hour me and vice he the ing tal clocks, he. umber line to 24-hour time. minutes into versa.		



							M.			
Vocabulary	What	Knowledge children wil	l know	l What ch	Inderstandir nildren will ur	ng Inderstand	Skills What children will be able to do			
Define the word and include	Learning	Teaching	Assessment	Learning	Teaching	Assessment	Learning	Teaching	Assessment	
etymology if useful.	Remembering	Telling	Testing	Practising	Coaching	Observing	Reflecting	Facilitating	Evaluating	
hour, o'clock, half past, quarter past, quarter to 5, 10, 15 minutes past a.m., p.m. clock, clock face, watch, hands digital/analogue clock/watch, timer hour hand, minute hand hours, minutes, seconds timetable, arrive, depart Roman numerals 12-hour clock time, 24-hour clock time										

