Durley CE (Controlled) Primary School Mathematics Curriculum – Long Term Overview



INTENT

Why do we teach maths? Why do we teach it in the way we do?

Mathematics is an important discipline which helps us to understand and change the world. We want all pupils at Durley Primary School to experience the beauty, power and enjoyment of mathematics and develop a sense of curiosity about the subject with a clear understanding. At Durley Primary School we foster positive attitudes and promote the fact that 'We can all do maths!'. We believe all children can achieve in mathematics, and teach for secure and deep understanding of mathematical concepts through manageable steps. We use mistakes and misconceptions as an essential part of learning and provide challenge through rich problems. Weaving through the heart of our maths education is a commitment to enhancing and promoting our core Christian Values: Love, Respect and Forgiveness.

We aim for all pupils to:

- become fluent in the fundamentals of mathematics so they can develop contextual understanding and apply their knowledge rapidly.
- be proficient at recalling key facts.
- be able to solve problems by applying their mathematics to a variety of problems.
- be able to reason mathematically and methodically by following a line of enquiry and present a justification, argument or proof using mathematical language.
- have an appreciation of number and number operations, which enables mental calculations and written procedures to be performed efficiently, fluently and accurately to be a successful mathematician.

IMPLEMENTATION

What do we teach? What does this look like?

Our whole curriculum is shaped by our school vision which enables all children, regardless of background, ability, additional needs, to flourish to become the very best version of themselves they can possibly be. We teach National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. We use a range of resources such as White Rose, NCETM, nrich and ISee reasoning, alongside our own calculation progressions and times tables schemes.

KS1 – Children are taught for approximately 1 hour daily – this includes a 10 minute mental maths session either at the start or the end of the lesson.

KS2 – Children are taught for approximately 1 hour 15 minutes daily – this includes a 15 minute mental maths session either at the start or end of the lesson.

Challenge is evident throughout all lessons, children are always asked to reason and prove their understanding at a deeper secure level.

Support is given to all children who need it within the maths lesson. If required, extra support is given through high quality interventions such as precision teaching outside the main maths lesson time.

Children are encouraged to further secure their mathematical understanding by carefully planned maths homework to reinforce concepts taught in school.

IMPACT

By the end of KS2 we aim for the children to be fluent in the fundamentals of mathematics with a conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. Our children will have the confidence to succeed in all areas of mathematics. Children will have the skills to solve problems by applying their mathematics to a variety of situations with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios. Children will be able to reason mathematically by following a line of enquiry and develop and present a justification, argument or proof using mathematical language.

			Yellov	v and Blue	Class - Year	1- Long Te	erm Plann	ing - AUTU	MN TERM			
Yellow	Week	Week	Week	Week	Week	Week 6	Week	Week 8	Week	Week	Week	Week
& Dhuo	1	2	3	4	5		7		9	10	11	12
Class												
Year 1	Num	ber & Place Va	lue (Within 1	<u>.0)</u>		mber: Additio	on & Subtrac	tion (Within	<u>10)</u>	Geor	netry:	Number:
	I can cou	Int to and acros	ss 10, torwar	ds and	I can read	i, write and i	nterpret ma	thematical st	atements	<u>Sna</u>	<u>ape</u> secion and	Place Value
		backwa	rus. ito numbors :	to 10 in		ving addition	, subtraction	i and equais :	signs.	i can reco	ignise and	<u>(Within 20)</u>
	i call coul	numor		10 10 11	I Call II	epresent and	tion facts wi	t bollus allu i thin 10	leiateu	name zi		I can count to
	l can identify	one more and	ais. One less that	n anv given	l can add	and subtract	one digit nu	unin 10. Imbers to 10	including	511d	pes.	and across 20,
	reantidentity	numbe	or or other or other	i any given	i can add		7ero	1110013 to 10,	, meruumg			forwards and
	l can identify	and represent	: numbers usi	ing objects	L can solv	ve one step p	roblems tha	t involve add	lition and			backwards.
	ar	nd pictorial rep	resentation.		subtr	action. using	concrete ob	piects and pic	torial			I can count,
	I can read	and write num	bers from 1	to 10 in	repre	sentations, a	and missing i	number prob	lems.			read and write
		numerals an	d words.		•		0					in numerals
												I can identify
												one more and
												one less than
												any given
												number.
												I can identify
												and represent
												numbers using
												objects and
												pictorial
												representation.
												I can read and
												write numbers
												from 1 to 20 in
												numerals and
												words.

			Yellov	w and Blu	e Class - Yo	ear 1- Lor	ng Term Pla	anning - SP	RING TERM	1		
Yellow	Week	Week	Week	Week	Week	Week	Week	Week 8	Week	Week 10	Week 11	Week
&	1	2	3	4	5	6	7		9			12
Blue												
Class												
Year 1	Consolidation	Number: A	ddition and S	ubtraction	Number: P	lace Value	(Within 50)	Measurem	ent: Length	Measuremer	nt: Weight and	Consolidation
			<u>(Within 20)</u>		l can cou	unt to and a	across 50,	<u>& H</u>	<u>eight</u>	Vol	ume	
		l can read	d, write and i	nterpret	forwar	ds and bac	kwards.					
		mathe	matical state	ments	l can co	unt, read a	nd write	I can comp	are describe	I can comp	are describe	
		involving addition, subtraction		number	s to 50 in n	umerals.	and solve	e practical	and solv	e practical		
		an	and equals signs.		I can iden	tify one mo	re and one	problems	for lengths	problems for	mass/weight,	
		I can repre	and equals signs. present and use numbe		less that	n any given	number.	and h	eights.	capacity a	nd volume.	
		bonds an	d related sub	otraction	I can ide	entify and r	epresent	I can me	asure and	I can measur	e and begin to	
		fa	cts within 20).	number	rs using obj	ects and	begin to re	cord lengths	record ma	ass/weight,	
		I can add	and subtract	one digit	pictor	ial represer	ntation.	and h	eights.	capacity a	and volume	
		numbers	to 20, includ	ing zero.	l can rea	d and write	numbers					
		I can solve one step problems that		from 1 to	o 50 in num	nerals and						
		involve ad	dition and su	btraction,		words.						
		using co	oncrete objed	cts and								
	pictorial representations, and		ons, and									
		using concrete objects and pictorial representations, and missing number problems.										

			Yello	w and Blu	ie Class - V	Year 1- Lo	ong Term Pla	nning - SU	MMER TER	Μ		
Yellow	Week	Week	Week	Week	Week	Week	Week	Week 8	Week	Week 10	Week 11	Week
&	1	2	3	4	5	6	7		9			12
Blue												
Class												
Year 1	Consolidation	Numbe I can solv involving division answer us pictorial	r: Multiplia Division e one step g multiplica , by calcula sing concret representa arrays.	<u>cation &</u> problems tion and ting the te objects, tions and	Num Fract I can rec find and half as two equ of an c shap quar I can rec find and quarter a four equ of an c shap quar	<u>aber:</u> <u>tions</u> cognise, name a one of al parts object, be or ntity. cognise, name a as one of al parts object, be or ntity. cognise, name a as one of al parts object, be or ntity.	Geometry: Position Direction I can describe position, direction and movement, including whole, half, quarter and three- quarter turns.	Number: (With I can cour across 10 and ba I can cour write num in nur I can identi and one le given r I can ident represen using ob pict represe I can read numbers fr in num	Place Value in 100) unt to and 0, forwards ckwards. at, read and abers to 100 merals. ify one more ess than any number. entify and t numbers ojects and torial entation. d and write rom 1 to 100 erals and ords.	<u>Measure:</u> <u>Money</u> I can recognise and know the value of different denominations of coins and notes.	Measuren I can seque in chronold using app langu I can reco use langua to dates, days of t weeks, m yea I can tell t the hour ar hands on show the I can compa and solve problems	nent: Time ence events ogical order oropriate uage. gnise and ge relating including he week, onths and ars. he time to nd half past nd draw the a clock to ese times. are describe e practical s for time re and begin
											to reco	rd time.

			,	Yellow Cla	ss - Year 2-	- Long Terr	n Planning	- AUTUN	MN TERM			
Yellow	Week	Week	Week	Week	Week	Week 6	Week	Week	Week	Week 10	Week 11	Week
Class	1	2	3	4	5		7	8	9			12
Year 2	Num	ber: Place Va	lue		Number: A	ddition & Su	btraction		Measurem	ent: Money	Number:	Consolidation
	I can count ir	nsteps of 2,3,5	and 0, and	I can solve	e problems w	ith addition a	and subtraction	on, using	I can recog	nise and use	Multiplication	
	in tens from a	any number fo	orwards and	concrete c	bjects and pi	ctorial repre	sentations. I d	can apply	symbols fo	r pounds (£)	& Division	
		backwards.		my increas	sing knowled	ge of mental	and written r	methods.	and pe	ence (p).	I can recall	
	I can recognis	se the place va	alue of each	l can reca	all and use ad	dition and su	ubtraction fac	ts to 20	I can comb	ine amounts	and use	
	number	in a 2 digit nu	ımber.	flu	ently, and de	rive related f	acts up to 10	0.	to make a	a particular	multiplication	
	I can identify	r, represent ar	nd estimate	I can add	and subtract	: numbers us	ing concrete	objects,	va	lue.	and division	
	numb	ers using diffe	rent	pictorial r	epresentation	ns and menta	ally including:	a 2 digit	I can find	different	facts for the	
	re	presentations		number ar	nd ones, tens,	, 2 digit num	bers and add	ing 3 one	combinati	ons of coins	2,5 and 10	
	l can comp	are and order	numbers		di	igit numbers			that equa	I the same	tables.	
	from 0 up to	100; use < > a	and = signs.	I can show	that additio	n of 2 numbe	ers can be do	ne in any	amount	of money.	I can calculate	
	I can read a	I can read and write numbers to least 100 in numerals and word I can use place value and number			er (commutat	ive) and sub	traction cann	ot.	I can sol	ve simple	mathematical	
	least 100 i	least 100 in numerals and word can use place value and number f			gnise and use	e the inverse	relationship	between	problems i	n a practical	statements for	
	I can use plac	least 100 in numerals and word can use place value and number f to solve problems.			tion and subt	raction and	use this to ch	eck	context	involving	multiplication	
	to	can use place value and number f to solve problems.			ations and so	lve missing r	iumber probl	ems.	additi	on and	and division	
		to solve problems.							subtractio	n of money	using the	
									of the s	ame unit,	correct signs.	
									including gi	ving change.	I can show	
											that	
											multiplication	
											can be done in	
											any order	
											(commutative)	
											nrohlems	
											involving	
											multiplication	
											& division.	

				Yellow C	ass - Year a	2- Long Te	erm Planniı	ng - SPRING	TERM			
Yellow	Week	Week	Week	Week	Week	Week	Week	Week 8	Week	Week 10	Week 11	Week
Class	1	2	3	4	5	6	7		9			12
Year 2	<u>Nur</u>	nber: Multipli	cation & Divis	ion		Statistics		Geometry:	Properties of	<u>N</u>	lumber Fractions	
					I can int	erpret and o	construct	<u>Sh</u>	<u>ape</u>			
	l can reca	ll and use mul	tiplication an	d division	simple pie	ctograms, ta	ally charts,	I can ide	entify and	l can recog	nise, find, name a	and write
	fa	cts for the 2,5	and 10 table	S.	block diagr	ams and sir	nple tables.	describe th	e properties	fractions 1/	3, ¼, 2/4 and ¾ o	f a length,
	I can calo	culate mathem	natical statem	ients for	I can asl	c and answe	er simple	of 2D shape	es, including	shape, se	et of objects or qu	iantity.
	multiplic	ation and divis	sion using the	ecorrect	questions c	ly counting	the number	the number	of sides and	I can write sir	nple fractions for	example 1/2
	L can show	sigi that multiplic	15.	long in any	of objects		by guantity	line of sy	untify and	01 0 = 3 anu r	2/4 and 1/	ivalence of
	I can show that multiplication can be done in order (commutative) but division cannot				L can ask	and answer	auestions	describe th	e properties		2/4 anu /2.	
	I can solve	problems inv	olving multip	lication &	about tot	alling and c	comparing	of 3D shape	es, including			
		divis	ion.		ca	tegorical da	ita.	the number	er of edges,			
						0		vertices	and faces.			
								I can identi	fy 2D shapes			
								on the su	rface of 3D			
								sha	pes.			
								l can comp	are and sort			
								common	2D and 3D			
								shapes an	d everyday			
								obj	ects.			

			١	ellow Cla	ss - Year 2	- Long Te	erm Planni	ng - SUMM	IER TERM			
Yellow	Week	Week	Week	Week	Week	Week	Week	Week 8	Week	Week 10	Week 11	Week
Class	1	2	3	4	5	6	7		9			12
Year 2	Measurement:	Length &	<u>Geometry</u>	<u>/: Position</u>	<u>Consoli</u>	idation	<u>Measurer</u>	<u>ment: Time</u>	Measurer	nent: Mass, Ca	apacity and	Consolidation
	<u>Height</u>	<u>t</u>	<u>& Dir</u>	ection	&Problen	n Solving	I can cor	npare and		Temperature	<u>a</u>	
	I can choose	and use					sequence	intervals of	I can cho	bose and use ap	propriate	
	appropriate s	tandard	l can or	der and			tiı	me.	standard ur	nits to estimate	and measure	
	units to estim	ate and	arra	inge			I can tell a	nd write the	mass (kg,	/g), temperatur	e, capacity	
	measure length	/ height in	combina	ations of			time to fiv	ve minutes,	(litres	and ml) to the	nearest	
	any direction	(m/cm)	mathe	matical			including q	uarter past/	appropriat	e unit using the	rmometers,	
	using rule	ers.	objects ir	n patterns			to the hou	ur and draw	scales	and measuring	vessels.	
			and sec	luences,			the hands	s on a clock				
			l car	n use			face to s	how these				
			mathe	matical			tin	nes.				
			vocabu	ulary to			I know the	e number of				
			describe	position,			minutes	in an hour				
			directi	on and			and the i	number of				
			move	ment,			hours i	in a day.				
			including	movement								
			in a straig	ht line and								
			disting	uishing								
			between i	otation as								
			a turn an	d in terms								
			of right a	ingles for								
			quarter,	half and								
			three-qua	rter turns.								

				Red Class -	Year 3/4- Lo	ong Term	Planning - Al	JTUMN [·]	TERM			
Red	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week
Class	1	2	3	4	5	6	7	8	9	10	11	12
Year 3	<u>N</u> Year 3: I can recognise th digit number. I can compare ar I can identify, rep diff representation I can read and w words. I can count in mu I can find 10 or 1	umber: Pla he place valu nd order num present and e ons. rite numbers ultiples of 4,8 .00 more/les	ce Value e of each dig obers up to 1 estimate nun up to 1000 i 8,50, 100. s than given i	git in a 3 000. Inbers using In digits and number.	Number Year 3: I can add and and ones, ter I can add and digits, using f I can estimate use inverse to	er: Addition I subtract n I subtract n Formal writt the answer the answer the check.	on & Subtract umbers mentally dreds) umbers with up en methods. er to a calculatio	<u>ion</u> y (3 digit to 3 n and	<u>Nur</u> Year 3: I can write multiplicat including 2 and formal I can solve I can recall multiplicat	and calculate ion and divis digit by one methods. missing num multiplicatic ion tables.	e maths state ion using the digit number ber problem on facts for th	<u>A Division</u> ements for tables I know rs, using mental s. ne 3,4 and 8
Year 4	Year 4: I can find 1000 m I can count backy negative number I can recognise th number. I can order/comp I can identify, rep diff representation I can round any m I can read Roman I can count in mu	nore/less tha wards throug rs. he value of e pare number present and e ons. number to th n numerals to ultiples of 6,,	n given numl gh zero incluc ach digit in a s beyond 100 estimate nun e nearest 10 o 100. 7,9,25 and 10	ber. ding 4 digit 00. hber using ,100, 1000.	Year 4: I can add and digits, using f I can estimate use inverse to I can solve ad problems in o to use and wi	l subtract n formal writt e the answe o check. Idition and contexts, de hy.	umbers with up en methods. er to a calculatio subtraction two eciding which op	to 4 n and step erations	Year 4: I can recall multiplicat I can use p multiply ar I can multi I can recog commutati I can multi number us	multiplicatic ion tables up lace value, ki nd divide men ply 3 number nise and use ivity in menta ply a 2 and 3 ing formal m	on and divisio to 12 x 12. nown and de ntally. factor pairs a al calculation digit number ethods.	n facts for rived facts to and s. r by a 1 digit

				Red Class	- Year 3/4-	Long Tei	rm Planning	- SPRING	TERM			
Red	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week 11	Week
Class	1	2	3	4	5	6	7	8	9	10		12
Year 3	Number: Multip	lication &	Measur	ement:		Number	: Fractions		<u>Y3: Meas</u>	surement, N	Aass and Capacity.	Consolidation
	Division	<u>1</u>	<u>Length, p</u>	<u>erimeter</u>	Year 3				<u>}</u>	(4: Number	: Decimals	
	Year 3:	alculato	And a	area.	I can count	up and do vice find a	wn in tentns. od writo fractic	ons of a	Year 3:	ocuro comr	are and add	
	maths statement	s for	I can meas	uro	set of object	ts unit fra	ctions and non			mass and ve	olume/canacity	
	multiplication an	d division	compare a	nd add	fractions.	cs, and na		unit	icingtitis, i		func, capacity.	
	using the tables I	know	lengths, m	ass and	I can recogn	ise and us	e fractions as r	numbers.				
	including 2 digit l	by one	volume/ca	pacity.	I can recogn	ise and sh	ow, using diag	rams,				
	digit numbers, us	sing	I can meas	ure the	equivalent f	ractions.						
	mental and form	al	perimeter	of 2D	I can add an	id subtract	fractions with	the same				
	methods.		shapes.		denominato	or within o	ne whole.					
	I can solve missin	ig number			I can compa	re and ord	ler unit fraction	ns, and r				
	problems.					th the sam						
Year 4	Year 4:		Year 4:		Year 4:				Year 4:			Consolidation
	I can use place va	alue,	I can conve	ert	I can recogn	ise and sh	ow, using diag	rams,	I can reco	ognise and	write decimal	
	known and deriv	ed facts	between u	nits of	families of e	equivalent	fractions.		equivaler	nts of any n	umber of tenths	
	to multiply and d	livide	measure.		I can count	up and do	wn in hundred	ths.	and hund	dredths.		
	mentally.	umbors	r can meas	of	I can solve p	orobiems t	o calculate qua	the same	1 can reco	Jgnise decir	nal equivalents to	
	I can recognise a	nd use	rectilinear	shane	denominato	iu subtract or		the same	1 can find	/₄. the effect	of dividing a one	
	factor pairs and		I can find	l area by	achonnace				and 2 dig	it number b	ov 10 or 100.	
	commutativity in	mental	counting	squares.					I can rou	nd decimals	with one decimal	
	calculations.		0						place to	the nearest	whole number.	
	I can multiply a 2	and 3							I can com	npare numb	ers with the same	
	digit number by a	git number by a 1 digit							number	of decimal p	places up to 2dp.	
	number using for	rmal										
	methods.											

				Red Cl	ass - Yea	r 3/4- Lo	ong Term	Planning -	SUMMER TERM			
Red	Week	Week	Week	Week	Week	Week	Week	Week 8	Week	Week	Week 11	Week
Class	1	2	3	4	5	6	7		9	10		12
Year	Number: Deci	imals (inclu	uding	Meas	urement: T	ïme	Sta	atistics	Geometry: Prop	erties of Sh	ape (including Y4	consolidation
3	mo	ney)		Year 3:			Year 3:		Posit	tion & Direc	<u>ction)</u>	
	Year 3:			I can tell t	he time on	an	I can inte	erpret and	Year 3:			
	I can add and su	btract amo	ounts of	analogue	clock, inclu	ding	present	data using	I can draw 2D shap	es and mak	e models of 3D	
	money to give ch	ange, usin	g£and	Roman nu	merals, and	d 12 and	bar char	ts,	shapes.			
	p notation.			24 hour cl	ocks.		pictogra	ms and	I can recognise ang	les as a pro	perty of shape or a	
				I can estim	hate and re	ad time	tables.		description of turn.			
				with increa	asing accur	acy to	I can solv	e one and	I can identify right a	angles.		
				the neares	st minute.	£	two step	problems	I recognise that 2 ri	ght angles	make a half turn	
				r know the	a minuto r	l and	bar char	o in scaled	elc.	or angles a	oro smallor or	
				number of	f dave oach	month		ns and	higger than a right	angle		
				vear	l uays each	montii,	tables		L can identify horizo	ontal and ne	ernendicular lines	
				l can com	pare the du	ration	tubics.		and pairs of perper	dicular and	l parallel lines.	
				of events.								
Year	Year 4:			Year 4:			Year 4:		Year 4:			Consolidation
4	I can recognise a	nd write d	ecimal	I can read,	, write and	convert	I can inte	erpret and	I can compare and	classify geo	ometric shapes.	
	equivalents of an	y number	of	time betw	een analog	ue and	present	discrete and	I can identify acute	and obtuse	e angles and	
	tenths and hund	redths.		digital 12 a	and 24 hou	r clocks.	continuo	us data.	compare and order	angles.		
	I can recognise d	ecimal equ	uivalents	I can solve	problems		I can solv	/е	I can identify lines of	of symmetr	y in 2D shapes.	
	to ½, ¼ and ¾.			involving o	converting	from	comparis	son, sum	I can complete a sir	nple symm	etric figure with	
	I can find the effe	ect of divid	ling a	hours to m	ninutes etc.		and diffe	rence	respect to a specific	c line of syn	nmetry.	
	one and 2 digit n	umber by	10 or				problem	s using info	I can describe posit	ions on a 2	D grid as	
	100.					presente	d in bar	coordinates in the f	first quadra	nt.		
	I can round decin	ne				charts, p	ictograms,	I can describe move	ements bet	ween positions as		
	decimal place to	st whole				tables ar	id graphs.	translations.				
	number.							I can plot specified	points and	draw sides to		
	i can compare nu	in the						complete a polygor	1.			
	same number of	aces up										
	to 2dp.											

			Gre	een Class –	Maths Yea	r 4/5 Lon	g Term Plan	ning - AUTI	UMN TERM			
Red	Week	Week	Week	Week	Week	Week	Week	Week 8	Week	Week 10	Week 11	Week
Class	1	2	3	4	5	6	7		9			12
Year 4	Number: Place I can find 1000 I can count bac negative number I can recognise number. I can order/com I can identify, re using diff repre I can round any 1000. I can read Roma I can count in m	Value more/less th kwards throu ers. the value of npare numbe epresent and sentations. number to f an numerals nultiples of 6	aan given nuu ugh zero incl each digit in ers beyond 1 d estimate nu the nearest 1 to 100. ,,7,9,25 and	mber. uding a 4 digit 000. umber 10,100, 1000.	Number: Ad I can add and up to 4 digits methods. I can estimat calculation a I can solve ad two step pro deciding whi and why.	dition & Su d subtract r s, using form te the answ and use inve ddition and oblems in co ich operatio	Abtraction numbers with mal written ver to a erse to check. I subtraction ontexts, ons to use	Number: M I can recall i facts for mu x 12. I can use pla derived fact mentally. I can multip I can recogr and commu calculations I can multip by a 1 digit methods.	ultiplication & multiplication ta ace value, kno s to multiply a ly 3 numbers. hise and use fa tativity in me duativity in me duativity and 3 d	& Division and division bles up to 12 own and and divide actor pairs ntal igit number formal	Measurement: Area and Perim I can convert be of measure. I can measure p rectilinear shap I can find area b squares.	Length, heter etween units perimeter of e. by counting
Year 5	 I can read Roman numerals to 100. I can count in multiples of 6,,7,9,25 and 1000. Number: Place Value I can read, write, order and compare numbers to at least 1000000 and determine the value of each digit. I can count forwards and backwards in steps of powers of 10 for any given number up to 1000000. I can interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers. I can round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 1000000. I can solve problems that involve all the above. I can read Roman numerals to 1000(M). 				Number: Ad I can add and numbers witi including usi methods. I can add and mentally witi numbers. I can use rou to calculatio of accuracy. I can solve ad multi-step pr	dition & Su d subtract w th more that ing formal w d subtract r h increasin unding to ch ns and dete ddition and roblems in	ubtraction while an 4 digits, written numbers gly large neck answers ermine levels d subtraction context.	Number: M I can identify n finding all factor common facto I know and car numbers, prim numbers, prim numbers. I can establish prime and reca I can multiply r or two digit num method, includ digit numbers. I can multiply a drawing upon I can divide nu digit number u I can multiply a those involving	ultiplication & nultiples and fact or pairs of a numi rs of two number nuse the vocabul de factors and cor whether a number numbers up to 4 di mber using a for ding long multiplic and divide number known facts. mbers up to 4 dig using the formal w and divide whole g decimals by 10,	& Division ors, including ber, and rs. ary of prime nposite er up to 100 is s up to 19. digits by a one mal written cation for 2 ers mentally gits by a one written method. numbers and 100 and 1000.	Measurement: Area and Perim I can measure a the perimeter of rectilinear shap and m. I can calculate a compare the ar rectangles and using standard square centime square metres a estimate the ar irregular shapes	Length, neter and calculate of composite es in cm and ea of including units, tres and and ea of s.

			Gree	en Class – I	Maths Year	4/5 Lon	g Term Plan	ning - SPI	RING TER	RM		
Red	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week	Week 11	Week
Class	1	2	3	4	5	6	7	8	9	10		12
Year 4	Number: Multip I can use place va derived facts to r mentally. I can multiply 3 r I can recognise a and commutativ calculations. I can multiply a 2 by a 1 digit numb methods.	lication & Di alue, known multiply and numbers. nd use facto ity in mental 2 and 3 digit per using for	ivision and divide or pairs number mal	Number: F I can recog equivalent I can count I can solve I can add a denominat	ractions: inise and show fractions. up and down problems to nd subtract fi or.	w, using dia n in hundre calculate q ractions wi	agrams, familie edths. uantities. th the same	es of	Number I can reco I can reco I can find by 10 or I can rou nearest v I can con decimal	Decimals ognise and v of tenths an ognise decir the effect 100. nd decimals whole numb npare numb places up to	write decimal equiva d hundredths. nal equivalents to ½ of dividing a one and with one decimal p er. ers with the same n 2dp.	alents of any 5, ¼ and ¾. d 2 digit number place to the number of
Year 5	Number: Multip I can recognise a numbers and cul notation for squa I can solve proble multiplication an knowledge of fac squares and cube I can solve proble addition, subtrac and division. I can solve proble multiplication an scaling by simple problems involvi	lication & Di nd use squa be numbers, ared and cub ems involvin ad division us ctors and mu es. ems involvin ction, multip ems involvin ad division, ir fractions ar ng simple ra	ivision re and the bed. g sing ultiples, g lication g ncluding nd tes.	Number: F I can comp are all muli I can ident given fract I recognise convert fro I can add a denominat same num I can multi whole num	ractions hare and orde tiples of the s ify, name and ion. mixed numb om one form t nd subtract f for and denor ber. ply proper fra hbers, suppor	r fractions same numb I write equ to the othe ractions wi minators th actions and ted by mat	whose denom per. ivalent fraction proper fraction er. th the same hat are multiple mixed numbe cerials and diag	inators as of a as and es of the rs by grams.	Number I can rea I can rec tenths, h I can rou nearest v I can rea decimal I can solv	: Decimals d and write ognise and u undredths a nd decimals whole numb d, write, orc places. ve problems	decimals as fractior use thousandths and and decimal equival with two decimal p er and to one decin ler and compare nu involving number u	ns. d relate them to ents. olaces to the nal place. mbers up to 3 up to 3dp.

			Gre	en Class –	Maths Y	'ear 4/5 I	Long Ter	m Planninរ្ត	g - SUMMER TER	M		
Red	Week	Week	Week	Week	Week	Week	Week	Week 8	Week	Week	Week 11	Week
Class	1	2	3	4	5	6	7		9	10		12
Year 4	Number: Decim including mone I can recognise a write decimal equivalents of a number of tenth hundredths. I can recognise o equivalents to ½ ¾. I can find the dividing a one a digit number by 100. I can round decima to the nearest w number. I can compare n with the same n of decimal place 2dp.	als y. and ny ns and decimal 2, ¼ and effect of nd 2 10 or mals al place /hole umbers umbers sumber es up to	Time I can read, write and convert time between analogue and digital 12 and 24 hour clocks. I can solve problems involving converting from hours to minutes etc.	Statistics: I can interp present dis and continu data. I can solve comparisor and differe problems u info presen bar charts, pictograms and graphs	n, sum nce using ited in , tables	Geometri shapes I can com geometri I can ider angles an angles. I can ider symmetri I can com symmetri to a speci	y: Propert opare and c shapes. htify acute d compar- htify lines of y in 2D sha oplete a sin ic figure w ific line of	ies of classify and obtuse e and order of apes. nple ith respect symmetry.	Geometry: Position & Direction I can describe positions on a 2D grid as coordinates in the first quadrant. I can describe movements between positions as translations. I can plot specified points and draw sides to complete a polygon.	Year 4: Co	nsolidation	Consolidation

Year	Number: Decimals	Time:	Statistics:	Geometry: Properties of Shape	Geometry:	Year 5: Converting units	Consolidation
5	I can recognise the	I can solve	I can solve	I can identify 3D shapes, including	Position &	and volume.	
	percent sign and	problems	comparison, sum	cubes and cuboids, from 2D	Direction	I can convert between	
	understand that per	involving	and difference	representations.	l can	different units of metric	
	cent relates to 'number	converting	problems using	I know angles are measured in	identify,	measure.	
	of parts per hundred'	between	information	degrees: estimate and compare	describe and	I can understand and use	
	and write fractions as a	units of	presented in a line	acute, obtuse and reflex angles.	represent	approximate equivalences	
	fraction and a decimal.	time.	graph.	I can draw given angles and	the position	between metric units and	
	I can solve problems		I can complete,	measure them in degrees.	of a shape	common imperial units	
	which require knowing		read and interpret	I can identify angles at a point and	following a	such as inches, pounds and	
	percentage and decimal		information in	one whole turn, angles at a point	reflection or	pints.	
	equivalents and those		tables, including	on a straight line and other	translation,		
	fractions with a		timetables.	multiples of 90.	using the		
	denominator of a			I can use the properties of	appropriate		
	multiple of 10 or 25.			rectangles to deduce related facts	language		
				and find missing lengths and	and know		
				angles.	that the		
				I can distinguish between regular	shape has		
				and irregular polygons based on	not		
				reasoning about equal sides and	changed.		
				angles.			

Purple Class - Year 6 Long Term Planning - AUTUMN TERM															
Purple	Week	Week	Week	Week	Week	Week 6	Week	Week 8	Week	Week	Week 11	Week			
Class	1	2	3	4	5		7		9	10		12			
Year 6	Number: Pla	<u>ce Value</u>	<u>Number: A</u>	Number: Addition, Subtraction, Multiplication & Division						Number: Fractions					
	I can read, write, order I can multiply multi-digit numbers up to 4 digits by a two-digit							I can use com	Position &						
	and compare numbers whole number using the efficient written method of long							I can use com	Direction						
	up to 10 000	000 and	multiplication.					the same den	omination			l can			
	determine th	ne value of	I can divide nun	nbers up to 4	digits by a tw	o-digit whole	e number	I can compare	e and order f	ractions, inc	luding	describe			
	each digit.		using the efficie	ent written m	ethod of long	division, and	l interpret	fractions >1.	positions						
	I can round any whole remainders as whole number remainders, fractions, or by						by	I can associate	on the full						
	number to a required rounding, as appropriate for the context.						decimal fracti	coordinate							
	degree of accuracy. I can perform mental calculations, including with mixed operations					operations	simple fractio	grid (all							
	I can use negative and large numbers.						I can add and	four							
	numbers in context, I can identify common factors, common multiples and prime					prime	denominators	quadrants).							
	and calculate	e intervals	numbers.		concept of eq	I can draw									
	across zero		I can use my knowledge of the order of operations to carry out					I can multiply simple pairs of proper fractions,				and			
	I can solve n	umber	calculations involving the four operations.					writing the answer in its simplest form (e.g. $1/4 \times 1/2$				translate			
	problems an	d practical	I can_solve addition and subtraction multi-step problems in					$= \frac{1}{8}$.				simple			
	problems the	at involve	contexts, decidi	se and	I can divide proper fractions by whole numbers (e.g.				shapes on						
	all of the above. why.				vhy.							the			
			I can solve prob					coordinate							
			and division.									plane, and			
	I can use estimation to check answers to calculations and					d					reflect				
	determine, in the context of a problem, levels of accuracy.						cy.					them in			
												the axes.			

	Purple Class - Year 6 Long Term Planning - SPRING TERM											
Purple	Week	Week	Week	Week	Week	Week 6	Week	Week	Week	Week 10	Week	Week
Class	1	2	3	4	5		7	8	9		11	12
Year 6	Number: E I can ident value of ea three decin and multip divide num 10, 100 an where the are up to t decimal pl I can multi digit numb to two dec by whole r I can use w division me cases whe answer ha decimal pl	Decimals ify the ach digit to mal places oly and obers by d 1000 e answers hree aces ply one- bers with up timal places oumbers. vritten ethods in re the s up to two aces.	Number: Percentage I can solve involving the calculation percentage whole num measures so 15% of 360 use of percent for comparent I can recall equivalence between si fractions, do and percent including in contexts.	es problems ne of es of abers or such as and the centages rison. and use es mple ecimals tages, a different	Number: I can expr number p algebraica I can use formulae words. I can gene describe l number s I can find numbers number s involving unknown	Algebra ress missing problems ally. simple expressed in erate and inear equences. pairs of that satisfy entences two s.	Measurement: <u>Converting</u> <u>Units</u> I can solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places where appropriate. I can use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to 3dp. I can convert between miles and kilometres.	Measure Perimeti Volume I can rec shapes v areas ca differen and vice I can cal area of p and triai I can rec it is nece the form and volu I can cal and com cubes an standard including cubed (c metres (n extendin units, suc km ³ .	ement: er, Area & ognise that with the same n have t perimeters versa. culate the barallelograms ngles. ognise when essary to use nulae for area ume of shapes. culate, estimate pare volume of d cuboids using units, centimetre m ³) and cubic m ³) and g to other ch as mm ³ and	Number: Rat I can solve p involving the sizes of two including sim I can solve p involving und sharing and	io roblems e relative quantities, nilarity. roblems equal grouping.	Consolidation

	Purple Class - Year 6 Long Term Planning - SUMMER TERM											
Purple	Week	Week	Week	Week	Week	Week	Week	Week 8	Week	Week 10	Week 11	Week
Class	1	2	3	4	5	6	7		9			12
Year 6	le Week Statistics Geometry: Properties of Shapes I can interpret and construct pie charts and line graphs and use I can recognise, describe and build I can recognise, describe and build I can compare and classify geometric shapes based on their recognise, describe and build simple 3-D shapes based on their recognise, describe and build simple 3-D shapes, including making nets. I can compare and classify geometric shapes based on their recognise, describe and build simple 3-D shapes, including making nets. I can illustrate and name parts of circles, including radius, diameter and circumference. I can find unknown angles where they meet at a point, are on a straight line, and are vertically opposite.							<u>Consc</u>	olidation and ⁻	Themed Projec	<u>cts</u>	