St. Mary's Catholic High School (2017-2018)

		YEAR 1 LONG TERM PLAN with CURRICULUM STANDARDS								
YE AR 1		WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8		
	Jr1,	/1 & 2	Jr1/3	Jr1/4	Jr1/5	Jr1/6	Jr1/7	Jr1/8		
	Numera	als 1 to 20	Number bonds of 4 and 5	Number bonds of 5 and 6	Number bonds of 10	Doubles to 5	Adding 1, 2 and 3			
	Read and write nu	umerals from 1 - 20.	Completing additions	Completing additions	Writing addition bonds	Identify doubles of	Write the next two			
	Counting objects upt	o 20. Missing numbers.	using number bonds of	using number bonds of	to 10.	numbers upto 5 and	numbers and			
m 1	Number na	mes upto 10.	4 and 5	5 and 6		begin to add numbers to	complete the addition			
Teri		·				find the doubles		Reinforcement		
								Reinforcement		
	Jr1/9	Jr1/10	Jr1/11	Jr1/12	Jr1/13	Jr1/14	Jr1/15	Jr1/16		
	Adding 1 more/1 less	2D Shapes	Ordering/Comparing	Estimation/Ordinals	Pairs to 5 and 6/ Time	Pairs to 7 and 10/Subtracting	Problems using			
	Writing numbers one	Identify 2D shapes and	Ordering, Comparing	Estimating a number of	Make pairs with total of	Complete the addition to	Subtracting numbers			
	more or one less than	properties, straight and	and writing number	objects, Identifying the	5 and 6. Reading time to	make 7 and 10.	from 10. solving			
1	any given number	curved sides, symmetry	between	teen numbers, Writing	0'clock and half past.	Subtracting numbers	problems using			
Term		with 2D shapes and		the ordinals in the		from 5, 6 and 10.	number bonds	Deinfersensent		
		venn diagram		correct order				Reinforcement		
YE AR		WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8		
1										
	Jr1/17	Jr1/18	Jr1/19	Jr1/20	Jr1/21	Jr1/22	Jr1/23	Jr1/24		
	pmparing length/ Counting of	Recognising/Adding Coins	1 more/1 less/2 more/ 2 less	ding and subtracting bonds to	Bonds to 5,6 and 7/Counting	3D Shapes/Days and Months of	Odd and Even numbers			
	Can use language of	Identifying soins	Finding out numbers	Completing the	Complete the addition	Decognicing 2D change	Identifying odd and			
		Identifying coins,	Finding out numbers		Complete the addition	Recognising 3D shapes	Identifying odd and			
	position and	Adding up coins to find	that are one more or	addition and	and subtraction to find	and its properties, Sorting	even numbers upto			
5	direction,Comparing		that are one more or one less/two more or	addition and subtraction sentences	and subtraction to find fonds to 5, 6 and 7	and its properties, Sorting of shapes, Write the days				
irm 2	direction,Comparing length,Complete the	Adding up coins to find	that are one more or one less/two more or two less than any given	addition and subtraction sentences	and subtraction to find fonds to 5, 6 and 7	and its properties, Sorting of shapes, Write the days of the week in the correct	even numbers upto			
Term 2	direction,Comparing length,Complete the addition counting on	Adding up coins to find the total.	that are one more or one less/two more or	addition and subtraction sentences	and subtraction to find fonds to 5, 6 and 7	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the	even numbers upto	Reinforcement		
Term 2	direction,Comparing length,Complete the	Adding up coins to find the total.	that are one more or one less/two more or two less than any given	addition and subtraction sentences	and subtraction to find fonds to 5, 6 and 7	and its properties, Sorting of shapes, Write the days of the week in the correct	even numbers upto	Reinforcement		
Term 2	direction,Comparing length,Complete the addition counting on	Adding up coins to find the total.	that are one more or one less/two more or two less than any given	addition and subtraction sentences	and subtraction to find fonds to 5, 6 and 7	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the	even numbers upto	Reinforcement		
Term 2	direction,Comparing length,Complete the addition counting on and back by 1,2 and 3	Adding up coins to find the total.	that are one more or one less/two more or two less than any given numbers	addition and subtraction sentences to find bonds to 10	and subtraction to find fonds to 5, 6 and 7	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the months of the year	even numbers upto 100.			
Term 2	direction,Comparing length,Complete the addition counting on and back by 1,2 and 3	Adding up coins to find the total. Jr1/26	that are one more or one less/two more or two less than any given numbers Jr1/27	addition and subtraction sentences to find bonds to 10 Jr1/28	and subtraction to find fonds to 5, 6 and 7 Jr1/29	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the months of the year Jr1/30	even numbers upto	Reinforcement		
Term 2	direction,Comparing length,Complete the addition counting on and back by 1,2 and 3 Jr1/25 Counting in 2	Adding up coins to find the total. Jr1/26 2's, 5's and 10's	that are one more or one less/two more or two less than any given numbers Jr1/27 Quarter/half of shapes/Half	addition and subtraction sentences to find bonds to 10 Jr1/28 Doubles to 10/Pairs to 20	and subtraction to find fonds to 5, 6 and 7 Jr1/29 O'clock/Half past/Quarter	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the months of the year Jr1/30 10 more/10 less/Capacity	even numbers upto 100.			
Term 2	direction,Comparing length,Complete the addition counting on and back by 1,2 and 3 Jr1/25 Counting in 2	Adding up coins to find the total. Jr1/26	that are one more or one less/two more or two less than any given numbers Jr1/27 Quarter/half of shapes/Half Identifying half and	addition and subtraction sentences to find bonds to 10 Jr1/28 Doubles to 10/Pairs to 20 Add to find the	and subtraction to find fonds to 5, 6 and 7 Jr1/29 O'clock/Half past/Quarter Read and write the	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the months of the year Jr1/30 10 more/10 less/Capacity Adding and subtracting	even numbers upto 100.			
Term 2	direction,Comparing length,Complete the addition counting on and back by 1,2 and 3 Jr1/25 Counting in 2	Adding up coins to find the total. Jr1/26 2's, 5's and 10's	that are one more or one less/two more or two less than any given numbers Jr1/27 Quarter/half of shapes/Half Identifying half and quarter of shapes,	addition and subtraction sentences to find bonds to 10 Jr1/28 Doubles to 10/Pairs to 20 Add to find the doubles.Find the	and subtraction to find fonds to 5, 6 and 7 Jr1/29 O'clock/Half past/Quarter Read and write the correct time to o'clock,	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the months of the year Jr1/30 10 more/10 less/Capacity Adding and subtracting 10 to find the correct	even numbers upto 100.			
1 2 Term 2	direction,Comparing length,Complete the addition counting on and back by 1,2 and 3 Jr1/25 Counting in 2	Adding up coins to find the total. Jr1/26 2's, 5's and 10's	that are one more or one less/two more or two less than any given numbers Jr1/27 Quarter/half of shapes/Half Identifying half and quarter of shapes, Finding out half of	addition and subtraction sentences to find bonds to 10 Jr1/28 Doubles to 10/Pairs to 20 Add to find the doubles.Find the numbers that pairs to	and subtraction to find fonds to 5, 6 and 7 Jr1/29 O'clock/Half past/Quarter Read and write the correct time to o'clock, half past, quarter to and	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the months of the year Jr1/30 10 more/10 less/Capacity Adding and subtracting	even numbers upto 100.			
Term 2 Term 2	direction,Comparing length,Complete the addition counting on and back by 1,2 and 3 Jr1/25 Counting in 2	Adding up coins to find the total. Jr1/26 2's, 5's and 10's	that are one more or one less/two more or two less than any given numbers Jr1/27 Quarter/half of shapes/Half Identifying half and quarter of shapes,	addition and subtraction sentences to find bonds to 10 Jr1/28 Doubles to 10/Pairs to 20 Add to find the doubles.Find the	and subtraction to find fonds to 5, 6 and 7 Jr1/29 O'clock/Half past/Quarter Read and write the correct time to o'clock,	and its properties, Sorting of shapes, Write the days of the week in the correct order,Completing the months of the year Jr1/30 10 more/10 less/Capacity Adding and subtracting 10 to find the correct	even numbers upto 100.			

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YE AR 2		WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1	Y 2/1 Estimate and count a number of objects up to 100; locate numbers on 0–100 beaded lines and 1–100 squares; compare pairs of numbers and find a number in between; order three numbers, order 2- digit numbers	Y 2/2 Revise number bonds to 6, 7, 8, 9 and 10; know number bonds to 10 and begin to learn related subtraction facts; know multiple of 10 number bonds to 100, learn bonds to 20, rehearse number bonds to 10 and 20 using stories	Y 2/3 Double numbers to double 15, use patterns in number bonds, use number bonds to solve more difficult additions, to subtract and to solve additions bridging 10	Y 2/4 Sort 2D shapes according to symmetry properties and right angles using Venn diagrams, recognise squares, rectangles, circles, triangles, ovals and hexagons,sort shapes and objects using a two-way Carroll diagram. Recognise which shapes tessellate.		understand that 2-digit numbers are made from some 10s and some 1s; Understand place value	Add and subtract 11, 21, 12 and 22 to any 2-digit	Y 2/8 Understand and use terms and vocabulary associated with position, direction and movement; Measure lengths using uniform units; Begin to measure in centimetres and metres
Term 1	Y 2/9 Add and subtract 2-digit numbers; Solve addition and subtraction problems using concrete and pictorial representations; Add near doubles to double 15; Add several small numbers spotting near doubles or pairs to 10, etc.	Y 2/10 Count in 2s, 5s and 10s from zero; Count in multiples of 2p, 5p and 10p; Number sequences of 2s, 5s and 10s; Find the totals of coins and ways to make an amount; Use coins to make given amounts of money	Y 2/11 Place value and ordering 2- digit numbers; place value additions and subtractions; add and begin to subtract 9, 10 and 11	from 10 and 20; use number facts to find the complement	Y 2/13 Rehearse complements to multiples of 10; find differences using a number line; find change from 10p and 20p, and from £10 to £20 by counting up and using bonds to 10 and 20; add two 2-digit numbers by counting on	shapes of faces of 3D shapes; tell the time to the nearest quarter	Y 2/15 Order 2-digit numbers and revise the < and > signs; locate 2-digit numbers on a landmarked line and grid; round 2-digit numbers to nearest 10; estimate a quantity <100 within a range	Revision and Assessment First Term Exam
YE AR 2		WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Y 2/16 Revise doubles and corresponding halves to 15; find half of numbers to 30; Recognise $1/2$, $1/4$, $1/3$ and 2/3 of shapes; place $1/2$ on a	Y 2/17 Count in 2s, 5s and 10s to solve multiplication problems; introduce the × sign; record the 2, 5 and 10 times-tables; write multiplications to go with	Y 2/18 Tell the time to the nearest quarter of an hour using analogue and digital clocks; understand the relationship between seconds, minutes and hours and use a tally	Y 2/19 Revise 2, 5 and 10 times- tables; revise arrays; multiply by 2, 3, 4, 5 and 10; arrange objects into arrays and write the corresponding multiplications; write	Y 2/20 Recognise all coins, know their value, and use them to make amounts; recognise £5, £10, £20 notes; make amounts using coins; write amounts using £.p notation; add two amounts of	Y 2/21 Locate, order and compare 2- digit numbers on 0-100 number lines and on the 1-100 square; use signs; introduce numbers 101 to 200 and count in 100s to 1000; add 2-digit numbers by	Y 2/22 Use doubles and number bonds to add three 1-digit numbers; find complements to multiples of 10; understand subtraction as difference and find this by	Y 2/23 Add and subtract 1-digit numbers to and from 2-digit numbers; add 2-digit numbers using 10p and 1p coins (partitioning, answers less than 100); add 2-digit numbers using

Term 2	and ¹ / ₄ ; understand and write mixed numbers	they are commutative	a pictogram or block graph where one block or symbol represents one or two things	divisions as multiplications with holes in and use the ÷ sign	pences; add two amounts of money, beginning to cross into £s	counting on in 10s and 1s; subtract 2-digit numbers by counting back in 10s and 1s	co diffe
Term 2	Y 2/24 Measure weight and capacity using standard or uniform non-standard units; draw a block graph where one square represents two units; weigh items using 100g weights using scales marked in multiples of 1kg or 100g; measure capacity in litres and in multiples of 100ml	ending in 1, 2, 3 or 4 (answers less than 100); find a quarter of numbers up to 40 by halving twice; begin to find	Y 2/26 Begin to understand that addition undoes subtraction and vice versa; add three or more small numbers using number facts; record amounts of money using £·p notation including amounts with no 10s or 1s; find more than one way to solve a money problem	Y 2/27 Count in 3s; recognise numbers in 3 times-table; understand that multiplication is commutative and division and multiplication are inverse operations; solve divisions as multiplications with a missing number; count in 2s, 3s, 5s and 10s to solve divisions and solve division problems	minutes to the hour; tell time to 5 minutes; begin to say the time 10 minutes later	Y 2/29 Partition to add two 2-digit numbers; find the difference between two 2-digit numbers; Addition and subtraction of 2- digit numbers using borrowing; multiply two numbers using counting in steps of 2, 3, 5 and 10; solve division problems by counting in steps of 2, 3, 5 and 10	Co numi 100 revis numb 100 numi th

YEAR 3 LONG TERM PLAN with CURRICULUM STANDARDS

YE AR 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	G3M1	G3M2	G3M3	G3M4	G3M5	G3M6	G3M7	G3M8
N	umber and Place value/	Mental addition and	Mental addition and	Mental multiplication and	Doubles to double 30 and	Time/Calender	3-D shapes/ Placing	Round to the nearest 10/100
i i	Read and write numbers	Multiples of 5 and 10 bonds	Adding or subtracting	Multipyig and dividing by 3,	Doubling numbers to 30 and	Telling time to quarter hour on	Recognise 3D shapes	Round to the nearest 10. Finding
up	p to 1000 in numerals and	to 100. Addition using bonds	multiples, near multiples of	4, 5 and 10. Understand that	halving even numbers to 40.	analogue, digital clocks including	in different orientations	numbers on a number line and
iı	n words. Recognise place	to 10, 20 and doubles,	10 to or from 2-digit	division is the inverse of	Recall doubles of numbers 1	using Roman	and describe them. Finding	rounding to the nearest 100.
ā	and place value of 3-digit	inverse operation.	numbers.	multiplication.	to 20, derive the related halves	numerals from I to XII. Know the	and placing numbers on a	
E	numbers, comparing and				and apply reasoning skills to	number of days in	number line.	
Ter	ordering numbers,				choose numbers that will give	each month, year and leap		
	partitioning of 3-digit				the longest halving chains.	year		
	numbers.							
	G3M9	G3M10	G3M11	G3	SM12	G3M13	G3M14	
D	Ooubles upto double 50	Fractions of shapes and	Addition and subtraction	Me	oney	Measuring length/ capacity	Mental	Revision
Do	ouble 2-digit numbers to	Recognise, find and write	Begin to add numbers with	Adding amounts of money. So	lve number and practical	Measure and compare lengths;	Understand that a	
50) and halve 2-digit	fractions of a discrete set of	up to 3 digits, using formal	problems using place value to	add and subtract amounts	(m/cm/mm) and capacity (ml/L)	remainder is the amount left	
nu	umbers	objects: unit fractions and	written methods of columnar	of money.			over	
up	o to 100; odd numbers to	non-unit fractions with small	addition (1s greater than 10s				after a division and begin to	
30).	denominators, e.g. 1/2,	or 10s greater than 100s).				understand the patterns of	

counting up; find small ferences either side of a multiple of 10	place-value cards (partitioning, answers more than 100)
Y 2/30 Compare two 2-digit mbers and find bonds to 00 using thermometers; <i>v</i> ise place value in 2-digit nbers, numbers between 00 and 200, and 3-digit mbers (including zeros in the 10s and 1s places)	Revision and Assessment Final Exam

→ 1/3sand 1/4 s	remainders.	
e of multiples of 2, 3 and 4,		
visual representations.		
YE AR WEEK 1 WEEK 2 WEEK 3 WEEK 4 WEEK 5 WEEK 6	WEEK 7	WEEK 8
3		
G3M15 G3M16 G3M17 G3M18 G3M19 G3M20	G3M21	G3M22
Number and place value/ Multiplying and dividing Fractions Recognising angles/ 2-D Perimeter/ Angles and turns Subtracting money from £2,	Time and Time intervals	Multiplying multiples of 10/
Round 3- digit numbers toRecall and useCompare and orderIdentify and draw 2DBegin to measure theAdd and subtract amounts	Calculate time intervals and	Multiply and divide multiples of
the nearest 10 and 100. multiplication and division unit fractions, and shapes, and describe their perimeter of money to give change,	compare durations of	10 by 3, 4 and 5. Begin to use
facts for the 4 and byheart 8 fractions with the same properties, regular and of simple 2D shapes and using both £ and p in practical	events. Estimate and read	the grid method to
times multiplication tables. denominators/Add and irregular polygons; rectilinear shapes. Recognise contexts. Find change from £10,	-	multiply 2-digit numbers by 1-
Sort multiples of 2, 3, 4, 5 and subtract fractions with the quadrilaterals and different the relationship between £5, £2. 10 using Venn diagram. same denominator within types of triangles. Use a right angles and turns.	accuracy to the nearest minute; record	digit numbers.
one angle tester to identify right	and compare time in terms	
whole/Mark and identify angles, angles that are	of seconds,	
simple fractions on 0 to 1 greater than or less than	minutes and hours.	
lines. a right angle.		
G3M23 G3M24 G3M25 G3M26 G3M27 G3M28	G3M29	
Vertical multiplication / Doubling and halving/ Multiplying and dividing Handling data Measuring Parallel,	Problem solving	Revision
Write and calculate Relating doubles and halves Begin to make generalisations Interpret and present Measure, compare, add and Identify horizontal and		
	Choose an appropriate	
mathematical statements to multiplying and dividing by and solve problems, data using bar charts, subtract: lengths (m/cm/mm); vertical lines and pairs of	strategy (mental or written)	
for multiplication using 2. including missing number pictograms and tables. Solve mass (kg/g); volume/capacity perpendicular and parallel	strategy (mental or written) to	
for multiplication using multiplication tables,2.including missing number problems and wordpictograms and tables. Solve 1-step and 2-stepmass (kg/g); volume/capacity (L/ml).perpendicular and parallel lines.	strategy (mental or written) to solve problems involving	
for multiplication using multiplication tables, including 2-digit numbers.2.including missing number problems and word problems, involving 2-digit bypictograms and tables. Solve 1-step and 2-step questions (for example,mass (kg/g); volume/capacity 	strategy (mental or written) to solve problems involving different operations(
for multiplication using multiplication tables,2.including missing number problems and wordpictograms and tables. Solve 1-step and 2-stepmass (kg/g); volume/capacity (L/ml).perpendicular and parallel lines.	strategy (mental or written) to solve problems involving	
for multiplication using multiplication tables, including 2-digit numbers. Using mental and2.including missing number problems and word problems, involving 2-digit by 1-digit multiplicationpictograms and tables. Solve 	strategy (mental or written) to solve problems involving different operations(addition, subtraction,	
for multiplication using multiplication tables, including 2-digit numbers. Using mental and progressing to formal2.including missing number problems and word problems, involving 2-digit by 1-digit multiplication or division.pictograms and tables. Solve 1-step and 2-step questions (for example, 'How many more?' and 'How many fewer?') usingmass (kg/g); volume/capacity 	strategy (mental or written) to solve problems involving different operations(addition, subtraction, multiplication, division,	
for multiplication using multiplication tables, including 2-digit numbers. Using mental and progressing to formal written methods, for example using grid methods to multiply 2-digit numbers2.including missing number problems and word problems, involving 2-digit by 1-digit multiplication or division.pictograms and tables. Solve 1-step and 2-step questions (for example, 'How many more?' and 'How many fewer?') using 	strategy (mental or written) to solve problems involving different operations(addition, subtraction, multiplication, division, fractions, doubles and	
for multiplication using multiplication tables, including 2-digit numbers. Using mental and progressing to formal written methods, for example using grid methods2.including missing number problems and word problems, involving 2-digit by 1-digit multiplication or division.pictograms and tables. Solve 1-step and 2-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts,mass (kg/g); volume/capacity mass (kg/g); volume/capacity (L/ml).perpendicular and parallel 	strategy (mental or written) to solve problems involving different operations(addition, subtraction, multiplication, division, fractions, doubles and halves, pound and pence	
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for multiplication using multiplication tables, including 2-digit numbers. Using mental and progressing to formal written methods, for example using grid methods to multiply 2-digit numbers2.including missing number problems and word problems, involving 2-digit by 1-digit multiplication or division.pictograms and tables. Solve 1-step and 2-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms and tables.mass (kg/g); volume/capacity (L/ml).perpendicular and parallel lines.	strategy (mental or written) to solve problems involving different operations(addition, subtraction, multiplication, division, fractions, doubles and halves, pound and pence	
for multiplication using multiplication tables, including 2-digit numbers. Using mental and progressing to formal written methods, for example using grid methods to multiply 2-digit numbers2.including missing number problems and word problems, involving 2-digit by 1-digit multiplication or division.pictograms and tables. Solve 1-step and 2-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms and tables.mass (kg/g); volume/capacity (L/ml).perpendicular and parallel lines.	strategy (mental or written) to solve problems involving different operations(addition, subtraction, multiplication, division, fractions, doubles and halves, pound and pence	
Image: Problem series of the	strategy (mental or written) to solve problems involving different operations(addition, subtraction, multiplication, division, fractions, doubles and halves, pound and pence and measures.	
for multiplication using multiplication tables, including 2-digit numbers. Using mental and progressing to formal written methods, for example using grid methods to multiply 2-digit numbers by 3, 4, 5, and 8.	strategy (mental or written) to solve problems involving different operations(addition, subtraction, multiplication, division, fractions, doubles and halves, pound and pence and measures.	WEEK 8
for multiplication using multiplication tables, including 2-digit numbers. Using mental and progressing to formal with multiplication or division. including missing number problems, involving 2-digit by 1-digit multiplication or division. pictograms and tables. Solve 1-step and 2-step questions (for example, 'How many more?' and 'How many more?' and 'How many fewer?') using information presented in scaled bar charts, pictograms and tables. mass (kg/g), volume/capacity (L/ml). perpendicular and parallel lines. VE	strategy (mental or written) to solve problems involving different operations(addition, subtraction, multiplication, division, fractions, doubles and halves, pound and pence and measures.	

YE AR 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
	Numbers	Numbers	Numbers	Numbers	Numbers	Fractions	
	Addition and subtraction	Number and place value	multiplication and division	Written addition and	multiplication and division	Fractions, ratio and proportion	

	Finding pairs with a total of	Read, write 4-digit numbers	Learn × and ÷ facts for the 6	Add two 3-digit numbers	Double 3-digit numbers and	identify equivalent fractions;		Tell and write the time to the
	100	and know what each digit	and 9 times-table and identify	, v	halve even 3-digit numbers;	reduce a fraction to its simplest		minute on analogue and digital
		represents;	patterns; multiply multiples	subtract a 3-digit number	revise unit fractions	form; count in fractions (each		clocks; calculate time intervals;
			of 10 by single-digit numbers;	-		fraction in its simplest form)		, , , , , , , , , , , , , , , , , , , ,
-			multiply 2-digit numbers by	an expanded column method				
Term			single-digit numbers (the grid				Use mental multiplication	
Ĕ			method); find fractions of				and division strategies; find	
			amounts				non-unit fractions of 2-digit	
							and 3-digit numbers; find	
							equivalent fractions and use	
							them to simplify fractions (halves, thirds, quarters),	
							learn the 7× table.	
	Numbers	Decimals and percentages	Decimals and percentages	Measurement	Numbers	Numbers	Numbers	
	Rounding numbers	Decimals	Decimals	Length	Addition and subtraction	Written multiplication and	Written multiplication and	
	Place 4-digit numbers on			Measure in metres,	Mentally add and subtract		· ·	Revision
	landmarked lines; 0–10 000			centimetres and millimetres;	to/from 4-digit and 3-digit			
	and 1000–2000; round 4-			convert lengths between	numbers using place-value;			
-	digit numbers to the			units; record using decimal	count on and back in multiples	Use the grid method to multiply	Divide 2-digit and 3-digit	
Term	nearest 10, 100 and 1000;		Recognise that tenths and	notation Solve simple	of 10, 100 and 1000; count on	3-digit by single-digit numbers	numbers by 1-digit numbers	
Te	subtract 3-digit numbers	Compare numbers with up to	-	measure problems	in multiples of 25 and 50; add	and introduce the vertical	using place value and	
	using the expanded written	2 decimal places, identify the			and subtract multiples of 10	algorithm; begin to estimate	mental strategies; identify	
	version and the counting up	valueof the digits as ones,	multiply decimal numbers		and 100 to/from 4-digit	products; divide numbers (up to		
	mental strategy	tenths and hundredths, and	by10 and 100, Count up and		numbers	2 digits) by single-digit numbers	solve multiplications and	
		round decimal numbers to	down in tenths and			with no remainder, then with a	divisions with larger	
		the nearest whole.	hundredths.			remainder	numbers	
YE AR	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
4								
4	Coomotru	Coometry	Coometry	Moosurement	Maaguramant	Maaguramant	Moscuroment	Massurament
4	Geometry	Geometry	Geometry	Measurement Mass and capacity	Measurement	Measurement	Measurement Perimeter	Measurement
4	Angles and lines	2D shapes	Symmetry	Mass and capacity	Measurement Money	Measurement Time	Perimeter	Area
4	Angles and lines Recognise and compare	2D shapes Sort 2D shapes according to	Symmetry Identify perpendicular and	Mass and capacity Convert multiples of 100 g			Perimeter Measure and calculate the	Area Find the area of rectilinear
4 <u>7</u>	Angles and lines Recognise and compare acute, right and obtuse	2D shapes Sort 2D shapes according to their properties; draw shapes	Symmetry Identify perpendicular and parallel lines, recognise and	Mass and capacity Convert multiples of 100 g into kilograms; convert	Money	Time	Perimeter Measure and calculate the perimeter of a rectilinear	Area
erm 2	Angles and lines Recognise and compare	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into	Money Add amounts of money using	Time Tell the time on a 24 hour clock,	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in	Area Find the area of rectilinear
Term 2	Angles and lines Recognise and compare acute, right and obtuse	2D shapes Sort 2D shapes according to their properties; draw shapes	Symmetry Identify perpendicular and parallel lines, recognise and	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the	Money Add amounts of money using written methods and mentally	Time Tell the time on a 24 hour clock, using am and pm correctly;	Perimeter Measure and calculate the perimeter of a rectilinear	Area Find the area of rectilinear
Term 2	Angles and lines Recognise and compare acute, right and obtuse	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into	Money Add amounts of money using written methods and mentally using place value and number	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in	Area Find the area of rectilinear
Term 2	Angles and lines Recognise and compare acute, right and obtuse	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate	Money Add amounts of money using written methods and mentally	Time Tell the time on a 24 hour clock, using am and pm correctly;	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in	Area Find the area of rectilinear
Term 2	Angles and lines Recognise and compare acute, right and obtuse	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in	Area Find the area of rectilinear
Term 2	Angles and lines Recognise and compare acute, right and obtuse	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in	Area Find the area of rectilinear
Term 2	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV);	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers	Area Find the area of rectilinear
Term 2	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time;	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.	Area Find the area of rectilinear shapes.
E Term 2	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5-	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers	Area Find the area of rectilinear
2 Term	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry Coordinates	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Multiplication and division	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction	Area Find the area of rectilinear shapes.
Term 2 Term 2	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry Coordinates Use coordinates to draw	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages Understand percentages,	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Multiplication and division Learn 11 and 12× tables, use a vertical written method to	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction Solve written addition of two 4-digit numbers; add	Area Find the area of rectilinear shapes.
2 Term	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative numbers in the context of	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry Coordinates Use coordinates to draw polygons; find the	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Multiplication and division team 11 and 12× tables, use a vertical written method to multiply 3-digit numbers by 1-	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction two 4-digit numbers; add amounts of money (pounds	Area Find the area of rectilinear shapes.
2 Term	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry Coordinates Use coordinates to draw polygons; find the coordinates of shapes after	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages Understand percentages, equivalene between percentages and fractions and	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; <u>Numbers</u> <u>Multiplication and division</u> <u>Learn 11 and 12× tables, use a</u> vertical written method to multiply 3-digit numbers by 1- digit numbers; use a written	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction Solve written addition of two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minus	Area Find the area of rectilinear shapes.
2 Term	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative numbers in the context of	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes <u>Geometry</u> <u>Coordinates</u> Use coordinates to draw polygons; find the coordinates of shapes after translation; Describe movements between positions as translations ofa	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; <u>Numbers</u> <u>Percentages</u> Understand percentages, equivalene between	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Multiplication and division Learn 11 and 12× tables, use a vertical written method to multiply 3-digit numbers by 1- digit numbers; use a written method to multiply 3-digit numbers, multiply 2-digit and 3- digit numbers by 1-digit	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction Solve written addition two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minus 4-digit and 4-digit minute 3- digit subtractions using	Area Find the area of rectilinear shapes.
2 Term	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative numbers in the context of	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry Coordinates Use coordinates to draw polygons; find the coordinates of shapes after translation; Describe movements between	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages Understand percentages, equivalene between percentages and fractions and	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Numbers Numbers Numbers, use a vertical written method to multiply 3-digit numbers by 1- digit numbers; use a written method to multiply 2-digit and 3-	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction Solve written addition of two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minus 4-digit and 4-digit minute 3-	Area Find the area of rectilinear shapes.
2 Term	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative numbers in the context of	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our number system including 0;	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry Coordinates Use coordinates to draw polygons; find the coordinates of shapes after translation; Describe movements between positions as translations ofa unit left/right and up/down	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have meaning	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages Understand percentages, equivalene between percentages and fractions and finding percetages of amounts.	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Multiplication and division Learn 11 and 12× tables, use a vertical written method to multiply 3-digit numbers by 1- digit numbers; use a written method to multiply 3-digit numbers, multiply 2-digit and 3- digit numbers by 1-digit	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction solve written addition of two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minute 3-digit subtractions using written column method	Area Find the area of rectilinear shapes.
Term Term 2	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative numbers in the context of temperature	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our number system including 0; YEA	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes <u>Geometry</u> <u>Coordinates</u> Use coordinates to draw polygons; find the coordinates of shapes after translation; Describe movements between positions as translations ofa unit left/right and up/down R 5 LONG T	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have meaning	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; <u>Numbers</u> <u>Percentages</u> Understand percentages, equivalene between percentages and fractions and finding percetages of amounts.	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Numbers Multiplication and division Control of the second	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction Solve written addition of two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minus 4-digit and 4-digit minute 3- digit subtractions using written column method	Area Find the area of rectilinear shapes. Revision
Term Z Term	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative numbers in the context of	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our number system including 0;	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry Coordinates Use coordinates to draw polygons; find the coordinates of shapes after translation; Describe movements between positions as translations ofa unit left/right and up/down	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have meaning	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages Understand percentages, equivalene between percentages and fractions and finding percetages of amounts.	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Numbers Multiplication and division Learn II and I2× tables, use a vertical written method to multiply 3-digit numbers by 1- digit numbers; use a written method to multiply 3-digit numbers, multiply 2-digit and 3- digit numbers by 1-digit numbers by 1-digit numbers	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction solve written addition of two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minute 3-digit subtractions using written column method	Area Find the area of rectilinear shapes.
Term Term 2	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative numbers in the context of temperature WEEK 1	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our number system including 0; WEEK 2	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes Geometry Coordinates Use coordinates to draw polygons; find the coordinates of shapes after translation; Describe movements between positions as translations ofa unit left/right and up/down R 5 LONG T WEEK 3	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have meaning ERM PLAN WEEK 4	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; Numbers Percentages Understand percentages, equivalene between percentages and fractions and finding percetages of amounts. WEEK 5	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Multiplication and division Learn 11 and 12× tables, use a vertical written method to multiply 3-digit numbers by 1- digit numbers; use a written method to multiply 3-digit numbers, multiply 2-digit and 3- digit numbers by 1-digit numbers EUM STANDA WEEK 6	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction Solve written addition of two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minus 4-digit and 4-digit minute 3- digit subtractions using written column method RDS WEEK 7	Area Find the area of rectilinear shapes. Revision WEEK 8
Term Term 2	Angles and lines Recognise and compare acute, right and obtuse angles; Number and place value Negative numbers Read, write and compare 5- digit numbers; read, use and compare negative numbers in the context of temperature WEEK 1 GF	2D shapes Sort 2D shapes according to their properties; draw shapes with given properties and explain reasoning. Number and place value (NPV); Roman Numerals Recognise and read Roman numerals to 100; begin to know the history of our number system including 0; YEA	Symmetry Identify perpendicular and parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes <u>Geometry</u> <u>Coordinates</u> Use coordinates to draw polygons; find the coordinates of shapes after translation; Describe movements between positions as translations ofa unit left/right and up/down R 5 LONG T	Mass and capacity Convert multiples of 100 g into kilograms; convert multiples of 100 ml into litres; read scales to the nearest 100 ml; estimate capacities; Statistics Handaling data Draw and interpret bar charts and pictograms; draw line graphs and understand that intermediate points have meaning ERM PLAN (WEEK 4	Money Add amounts of money using written methods and mentally using place value and number facts; choose to add and subtract using the appropriate strategy: mental or written; <u>Numbers</u> <u>Percentages</u> Understand percentages, equivalene between percentages and fractions and finding percetages of amounts.	Time Tell the time on a 24 hour clock, using am and pm correctly; convert pm times to 24 hour clock and vice versa; use 24 hour clock in calculating intervals of time; Numbers Numbers Multiplication and division Control of the second	Perimeter Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Numbers Addition and subtraction Solve Written addition two 4-digit numbers; add amounts of money (pounds and pence) using column addition; solve 4-digit minus 4-digit and 4-digit minute 3- digit subtractions using written column method RDS WEEK 7	Area Find the area of rectilinear shapes. Revision

Term 1	rounding 5-digit number	mbers, Compare, order & s, Add and Subtract 4-digit of 10 & counting method	Measure & Draw angles in degrees of acute, obtuse and reflex.Angle in a line and around a point.		vide 4 digit/2 digit, Dividing by 2, 9 and 10.	Draw Circles,Identify radius and circumference, Relate angles to turns		alent fractions, Proper,Improper tions and conversions
	GR5/6		GR5/7		G	 R5/8		GR5
F	Geometry(3)		Number Skills(4)			netry(4)	WEEK 1	15 & WEEK 16
-	12-hour clock times and 24- hour clock times,Calculate time past & time intervals		e, Rounding and Ordering decima multiplying and dividing by mul		• • • • •	Identifying 2D &3D shapes, Area blume and Capacity.	R	EVISION
YE AR 5	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GF	35/9	Gr5/10	Gr5/11	Gr	5/12	GR5/13	GR5/14
	Numbe	r Skills(5)	Geometry(5)	Number Skills(6)	Number S	Skills(6)cont.	Number Skills(7)	Number Skills(7)cont.
Term 2	•	and factors,Square and cube nbers	Properties of Triangles and polygons, metric and Imperial units	Percentages.Converting to decimals,fraction.		ns,multiplying proper fractions by comparing fractions.	Ratio and Proportions(not in text book), Dividing the ratios.	n Probability
		GR5/15		GR	5/16	GR5/17		GR5
		Geometry(6)		Numbe	r Skills(8)	Number Skills(9)	WEEK 3	31 & WEEK 32
Term 2	Drawing and interp	preting Graphs, Scaling, Transla		oper	Numerals, BODMAS, inverse rations	Finding change, add and subtract money		EVISION
тЕ		YEA	R 6 LONG T	ERM PLAN v	with CURRICU	LUM STANDA	RDS	1
R 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Fractions, decimals	<u>& Percentages (10)</u>	Algebr	<u>a (10)</u>	<u>Constru</u>	ctions(10)	Handling Data(5)	Probability (5)
	Learning	Objective	Learning (Objective	Learning	g Objective	Learning Objective	Learning objective
Term 1	Consolidate and extend mental methods of calculation to include decimals, fractions and percentages, solve word problems.		, .		Construct all angles including reflex angle, construct triangles(ASA,SAS). Calculate missing angles on a straight line, around a point, in a traingle and in a quadrilateral.		Collecting data and Recording data	Use probability scale with words Find the probability of equally likely outcomes. Revise the topics done.
	Sequences &	<u>Patterns (10)</u>	Area Perin	<u>neter (10)</u>	Transforn	nations(10)	Cordinates and	l linear graphs (10)
Term 1	Learning Objective Work out Area and perimeter of squares, rectangles and other compound shapes made of squares and rectangles.		Learning Objective Work out Area and perimeter ofsquares, rectangles and		Learning Objective understand and use the language and notation associated with ratations, translations and reflections.Transform 2-D shapes by		Learning Objective Read and plot coordinates in all four quadrants, generate coordinate pairs, that satisfy a simple lenear functions, where y is given specifically in terms of x, recognise straight line	

graphs parallel to the x- axis and y-axis.

YE AR 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
	Fractions, decimals	& Percentages (10)	<u>Algebr</u>	r <u>a (10)</u>	Construc	<u>ctions(10)</u>	Hai
	Learning	Objective	Learning	Objective	Learning	Objective	Learni
Term 1	include decimals,fractions a prob	ntal methods of calculation to and percentages, solve word plems.	variables. Know the meani	sent unknown numbers and ng of 'term', expression and ation.	triangles(ASA,SAS). Calculate r around a point, in a trair	ding reflex angle, construct missing angles on a straight line, ngle and in a quadrilateral.	С
	<u>Sequences &</u>	<u>Patterns (10)</u>	Area Perir	<u>neter (10)</u>	Transform	<u>nations(10)</u>	
	Learning	Objective	Learning	Objective	Learning	Objective	
		er of squares, rectangles and ade of squares and rectangles.		er ofsquares, rectangles and de of squares and rectangles.	ratations, translations and refle	age and notation associated with ections.Transform 2-D shapes by ns, reflections and translations.	Rea coord y is
YE							

AR 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	<u>Statis</u>	<u>tics(10)</u>	Measu	r <u>es(10)</u>	<u>Tim</u>	<u>e (5)</u>	<u>Mo</u>	<u>ney(5)</u>
	Learning	g objective	Learning	Objective	Learning	objective	Learnir	ng objective
Term 2	To calculate mean, median, mode and range from sets of discrete data and grouped frequency table.		f questions about scales,Compare readings from different scales		reading time, analogue and digital clock, time duration.		Conversion of pounds to pence and back, solving money word problems	
	Ratio Pror	portion (10)	Shape	<u>es(10)</u>				
ľ		; Objective	Learning		REV	ISION	PRE MOCK EXAMS	MOCK EXAMS
Term 2	proportions, use percer	susing ideas of ratio and ntages to compare simple ortions	perpendicular, Using Venn	olving Quadrilaterals & g properties such as parallel & diagrams. Properties of 3-D fying their nets	Revise Grade	3,4,&5 portion		
		YEAI	R 7 LONG T	ERM PLAN v	with CURRICU	LUM STANDA	RDS	
YE AR7	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR7/1	GR 7/2	GR7/3	GR/4	GR7/5	GR7/6	GR7/7	GR7/8
	Unit2.Number Skills(8)	Contd Number skills	Unit3.Equations /formulae	Unit7. Equations(3)	Unit4-Fractions(7)	Contd Unit4-Fractions	nit5-Angles and shapes(1)	Contd Unit5-Angles and shape
Term 1	LCM.Using directed	roots.Simplifying algebraic	Writing algebraic expressions/Using formulae Writing formulae/Brackets and powers (3.2 - 3.5)	Factorising expressions/ Solving one step/two step equations (3.6,7.1 & 7.2)	Working with Fractions/ Addition and subtraction of fractions/Multiplication and division of fraction (4.1 - 4.3)	Working with mixed numbers(all four operations)/Angles and Parallel lines (4.5 & 5.1)	Angles and parallel lines/Triangles/Quadrilater als (5.1 - 5.3)	Quadrilaterals/Polygons. Geometrical proofs (5.3 & 5.4)
	GR7/9	GR 7/10	GR7/11	GR7/12	GR7/13	GR7/14	G	R7/15
						1 Unit9. Perimeter, area and v		evision
Term 1	Averages and range, Grouped data (1.2 & 1.3)	More graphs/Pie -charts (1.4		Coordinates and line segments/straight line graphs (10.4 & 10.5)	Triangles/parallelograms/trap ezium/Area and perimeter of	,	Reinforce all the conc wor	epts taught and discuss the ksheets.
YE AR 7	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR7/16	GR7/17	GR7/18	GR7/19	GR7/20	GR7/21	GR7/22	GR7/23
	Unit6.Decimals(5)	Contd.Decimals(5)		8 Multiplicative Reasoning		2- Unit 3.2D shapes and 3Dsol		—
2	Ordering	Multiplication and Division		Writing ratios/sharing a	Direct and inverse	Surface area of	Circumference and Area	Circumference and Area of
Term	decimals/Rounding decimals/Addition and subtraction of decimals (6.1 - 6.3)	of decimals + assessment (6.4 & 6.5)	fractions,decimals and percentages.+assessment (6.6)	given ratio/Proportion (8.2 & 8.3)	proportion/Using the unitary method (8.4 & 8.5)	prisms/Volume of prisms (triangular prism only) (3.2 & 3.4)	of circles/ semicircles/ quadrants (3.4)	circles/ semicircles/ quadrants (3.5)
	GR7/24	GR7/25	GR7/26	GR7/27	GR7/28	GR7/29	G	R7/30
	elta2 Unit8 Probability(1			it 5 Delta2 Transformation		Contd Transformations(5)		evision
Term 2	Comparing probabilities/Mutually exclusive events/	Experimental probability/Probability	Construction of triangles(SAS,SSS.ASA)/P erpendicular bisector/Angle		Describe and carry out rotations. Enlarge a shape and desribe an	Enlargements a shape using negative scale factor and fractional scale factor (5.3 &		epts taught and discuss the ksheets.

		estimating probability (8.1 - 8.3)	& 8.5)	bisector		enlargement((5.2 & 5.3)	5.4)	
			YEAI	R 8 LONG T	ERM PLAN v	with CURRICU	LUM STANDA	RI
	Æ AR 8	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
		GR8/ 1	GR8/ 2	GR8 /3	GR 8/4	GR8/5	GR 8/6	
	ī	-		-	UNIT 2 :Working with powers(De	UNIT5: Transformations (Delta 2		UNI
			To find the square root and	Simplifying expressions with	Write and simplify	Describe and carry out	Enlarge a shape (negative and	Drav
			cube root. Powers of 10, Law	powers and brackets.Use	expressions involving	translations. To describe and	fractional scale factor)Describe	scale
		Deserved a simple UCF and	of indices . Calculating and	index laws in algebraic	brackets and	carry out reflections.To	an enlargement	usin
	erm 1	Recap decimals. HCFand	estimating	calculations.	powers.Factorise an algebraic	describe and carryout		cons
	ler	LCM Powers and			expression, construct and	rotations.		usin
		roots,prime factors. To find the square root and cube			solve equations.			
		root.						
		1001.						
		_						<u> </u>
	-	GR 8 /9	GR 8/10	GR 8 /11	GR 8 /12	GR 8 /13	GR 8 /14	┝──
	-	JNIT6:Fractions,Percentage				Unit 3 2D shapes and 3D solids		Dei
		•	Calculate percentage change, finding simple interest and	Finding the probability of mutually exclusive events,	Plot graphs and read values to solve problems, draw and	To find Area and circumfrence of circles, surface area and	To calculate volume and surface area of cyinders, Use pythagoras	Rei
			compound interest.	Calculate the relative	interpret distance time	volume of prisms	theorem in right angled	
			Give reasons for angle sizes	frequency of a value, Use	graphs, interpret real life	volume of prisins	triangles.	
			using mathematical language.		graphs		thungles.	
	E		Find the equation of the	estimate the probability of an				
	Ter		tangent to a circle at a given	event, Probability diagrams				
			point					
3	Œ							
	R	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
	8							
		GR 8 /16	GR 8 /17	GR 8 /18	GR 8 /19	GR 8 /20	GR 8/21	
	Ľ	Jnit 9 Scale drawings and m	Unit 9 (contd)	Unit 10 Graphs(Delta 2) (5)	Unit 10 Graphs(Contd) (5)	Unit 1 Powers and roots (Delta	Unit 3 Inequalities, equations and	
		• • •	Draw diagrams to scale, use	Plot straight line graphs,	Finding the equation of a st.	Finding reciprocal of a number,	Use index laws with zero and	Iden
			and interpret scale drawing,	finding the y intercept and	line graph, Identify parallel	working with negative indices,		and
			identify congruent and	gradient, Plot the graph using	and perpendicular lines and	writing numbers in standard		how
	lerm	cale using bearing	similar shapes, use	gradient and y intercept.	to write equations.	form	changing the subject	sam
	e Ie		conqruency and similarity to					ques
			solve problems.					inte
			Apply vector methods for					leafo
			simple geometric proofs.					
		GR 8 /24	GR 8 /25	GR 8 /26	GR 8 /27	GR 8 /28	GR 8 /29	<u> </u>
	ī	Jnit 5 Multiplicative reasor	-	Unit 2 Quadratics (5)	Unit 2 (Contd)	Unit 7 Accuracy and measures(-	<u> </u>
	-	•		To find the nth term of an AP	Factorise Quadratic	Solve problems involving rates	Understand the effect o	Reir
		•	e .	and GP, To multiply pairs of		of change, conversion of units	rounding, Finding upper and	1
			the perimeter of a sector.	brackets, Square a linear		in compound measures,	lower bounds.	

DS	
WEEK 7	WEEK 8
GR 8 /7	GR 8 /8
IIT 7: Construction and Lo	UNIT 7: Construction and Loci (co
aw diagrams to	Bisect a line using ruler and
le,construct triangles	compasses, construct
ng ruler and compasses,	perpendicular lines,Draw
nstruct nets of 3D solids	accurate diagrams to solve
ng ruler and compasses.	problems, draw locus.
Gi	R 8 /15
	rision(10)
	ught and discuss the worksheets.
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WEEK 7	WEEK 8
	WEEK 8
	WEEK 8 GR 8 /23
WEEK 7	
WEEK 7 GR 8 /22	GR 8 /23
WEEK 7 GR 8 /22 Unit 4 Collecting and	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and estionnaire,draw and	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and estionnaire,draw and erpret stem and	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and estionnaire,draw and	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and estionnaire,draw and erpret stem and	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and estionnaire,draw and erpret stem and	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and estionnaire,draw and erpret stem and fdiagrams	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped frequency table
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and estionnaire,draw and erpret stem and fdiagrams	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped frequency table
WEEK 7 GR 8 /22 Unit 4 Collecting and entift sources of primary d seconary data, identify w to reduce bias in npling and estionnaire,draw and erpret stem and fdiagrams Gl Rev	GR 8 /23 Unit 4 (Contd)(5) Construct and interpret fequency polygons,Estimate mean and range from a grouped frequency table

WEEK 1	YEAI	R 9 LONG T									
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		YEAR 9 LONG TERM PLAN with CURRICULUM STANDARDS									
	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8				
GR 9 /1	GR 9/2	GR 9/3	GR 9/4	GR 9/5	GR 9/6	GR 9/7	GR 9 /8				
Number (6)	Number Contd (5) + Assessment(1)	Algebra (6)	Algebra Contd (5) + Assessment(2)	Transformations and Constructions (6)	Transformations Contd (6)	Area and volume (6)	Area and volume Contd (5) + Ast(3)				
Place value and estimating,HCF and LCM. Calculating with powers (indices).Zero,negative and fractional indices.	To write a number in standard form. To calculate with numbers in standard form.Understand the difference between rational and irrational numbers.Simplify a surd. Rationalise a denominator.	To solve sums involving algebraic indices.To factorise algebraic expressions.To solve equations involving brackets and numerical fractions.To substitute numbers into fomulae.	To rearrange formulae.To solve sums on linear sequences.To expand the product of two brackets.To use the difference of two squares.To factorise quadratics of the form ax ² +bx+c.	3D solids.Reflection and Rotation.Enlarge shapes by fractional and negative scale factors about a centre of enlargement.	To draw scales on maps.To solve problems involving bearings.To draw a locus.Use loci to solve problems.	To find the perimeter and area of compound shapes.To convert between metric units .To calculate the maximum and minimum possible values of a measurement.	To calculate volumes and surface areas of prisms.To calculate the area and circumference of a circle,semis circles and quarter circles.				
GR 9 /9 Area and volume Contd (6))						Re	5 & GR9/16 evision				
lengths, angles and areas of sectors of circles. To calculate volume and		series graphs and scatter graphs.Draw a line of best fit	from a grouped frequeency table. To find the modal class	properties of triangles,quadrilateral and exterior angle of triangle.To	To solve problems involving Pythagoras theorem.To use trignometric ratios to find the lengths and angles in a right angled triangle.To find angles of elevation and depression.	Reinforce all the concepts tau	ight and discuss the revision work				
	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8				
GR 9 /17	GR 9/18	GR 9/19	GR 9/20	GR 9/21	GR 9/22	GR 9/23	GR 9 /24				
Fractions (6)	Fractions Contd (6)	Fractions Contd (5)+ Assessment(1)	Graphs (6)			Graphs Contd (6)	Equations and Inequalities (6)				
divide fractions and mixed numbers.To compare ratios.To find quantities	currencies and measures.To use direct proportion.To work out percentage increase and	involving percentages.Calculate using fractions,decimals and	intercept from a linear equation.To rearrange an equation into the form	time graphs.To calculate average speed from a distance - time graph.To understand	from velocity - time graphs.To draw and iterpret real - line linear graphs.To solve	the midpoint of a line segment.To find the gradient and length of a line	To solve quadratic equations by factorising.To solve simple simultaneous equations.				
	GR 9 /9 Area and volume Contd (6)) To calculate arc lengths,angles and areas of sectors of circles.To calculate volume and surface area of a cylinder and a sphere and solve problems.To solve problems involving pyramids and cones. WEEK 1 GR 9 /17 Fractions (6) To add subtract multiply divide fractions and mixed numbers.To compare ratios.To find quantities	Area and volume Contd (6))and irrational numbers.Simplify a surd. Rationalise a denominator.Area and volume Contd (6))rpreting and representing data Contd To calculate arc lengths,angles and areas of sectors of circles.To calculate volume and surface area of a cylinder and a sphere and solve problems.To solve problems involving pyramids and cones.To construct and use back -to- back stem and leaf diagrams,frequency polygons.Pie charts.KWEEK 1WEEK 2GR 9 /17GR 9/18Fractions (6)Fractions Contd (6)To add subtract multiply divide fractions and mixed numbers.To compare ratios.To find quantitiesTo convert between currencies and measures.To use direct proportion.To work out percentage increase and	and irrational numbers.Simplify a surd. Rationalise a denominator.fractions.To substitute numbers into fomulae.GR 9 /9GR 9/10GR 9/11Area and volume Contd (6)rpreting and representing data Conterpreting and representations (6)GR 9/17GR 9/18GR 9/19 <th>And irrational numbers.Simplify a surd. Rationalise a denominator.fractions.To substitute numbers into fomulae.squares.To factorise quadratics of the form ax²⁺bx+c.GR 9 /9GR 9/10GR 9/11GR 9/12Area and volume Contd (6)rpreting and representing data Conte rpreting and representing data Conte preting and representing data Conte protent and use back -to back stem and leaf diagrams,frequency polygons.Pie charts.To plot and interpret time series graphs and scatter graphs.Draw a line of best fit on a scatter graph.Moving AveragesEstimate the mean and range from a grouped frequeency table.To find the modal class two way tables.WEEK 1WEEK 2WEEK 3WEEK 4GR 9/17GR 9/18GR 9/19GR 9/20Fractions (6)Fractions Contd (6)Fractions Contd (5)To find the gradient and y introving protokers.To compare ratios.To ford upuntities use direct proportion.To work best problems.To compare ratios.To find quantitiesTo solve real - life problems involving precentages.Calculate using required.To find the gradient and y intercept from a linear equation.To rearrage an equation.To evarage and reations.To compare reatios.To find quantitiesTo find the gradient and y intercept from a linear equation.To evarage and reactions involving precentages.Calculate using required.To find the gradient and y intercept from a linear equation.To evarage and reactions to the form</th> <th>and irrational numbers.Simplify a surd. Rationalise a denominator. fractions.To substitute numbers into fomulae. squares.To factorise quadratis of the form ax²+bx+c. GR 9 /9 GR 9/10 GR 9/11 GR 9/12 GR 9/13 Area and volume Contd (6) rpreting and representing data Conterpreting and representing da</th> <th>GR 9 /9 GR 9/10 GR 9/11 GR 9/12 GR 9/13 GR 9/14 Area and volume Contid (b) proreting and representing data Conterpreting an</th> <th>and irrational numbers.Simplify a surd. Rationalise a denominator. fractions.To substitute numbers into fomulae. squares.To factorise quadratics of the form ax^{2+bsrc}. squares.To factorise quadratics of the form ax^{2+bsrc}. possible values of a measurement. GR 9 /9 GR 9/10 GR 9/10 GR 9/11 GR 9/12 GR 9/13 GR 9/14 GR 9/14 Area and values continition lengths, angles and areas of sectors of circles.To calculate value and areas problems: involving problems. To solve problems. To construct and use back - to To plot and interpret time series graphs. Draw all ne of best fut on a scatter graph. Moving Averages To construct and use back - to tain a contret graph. Moving Averages To construct and properties of tranels of a polytop to solve problems. To solve problems involving tranels of a polytop to solve problems. To solve text of tranels of a polytop to solve problems. To solve text of tranels of a polytop to solve problems. To solve text of tranels of a polytop to solve problems. GR 9/17 GR 9/18 GR 9/19 GR 9/20 GR 9/21 GR 9/22 GR 9/22 Gr 9/23 Graphs Contd (6) Sraphs Contd (6) Sraphs Contd (6) Sraphs Contd (6) To find the coordinateor to frava vand interpret train. To indicatoriatin te</th>	And irrational numbers.Simplify a surd. Rationalise a denominator.fractions.To substitute numbers into fomulae.squares.To factorise quadratics of the form ax ²⁺ bx+c.GR 9 /9GR 9/10GR 9/11GR 9/12Area and volume Contd (6)rpreting and representing data Conte rpreting and representing data Conte preting and representing data Conte protent and use back -to back stem and leaf diagrams,frequency polygons.Pie charts.To plot and interpret time series graphs and scatter graphs.Draw a line of best fit on a scatter graph.Moving AveragesEstimate the mean and range from a grouped frequeency table.To find the modal class two way tables.WEEK 1WEEK 2WEEK 3WEEK 4GR 9/17GR 9/18GR 9/19GR 9/20Fractions (6)Fractions Contd (6)Fractions Contd (5)To find the gradient and y introving protokers.To compare ratios.To ford upuntities use direct proportion.To work best problems.To compare ratios.To find quantitiesTo solve real - life problems involving precentages.Calculate using required.To find the gradient and y intercept from a linear equation.To rearrage an equation.To evarage and reations.To compare reatios.To find quantitiesTo find the gradient and y intercept from a linear equation.To evarage and reactions involving precentages.Calculate using required.To find the gradient and y intercept from a linear equation.To evarage and reactions to the form	and irrational numbers.Simplify a surd. Rationalise a denominator. fractions.To substitute numbers into fomulae. squares.To factorise quadratis of the form ax ² +bx+c. GR 9 /9 GR 9/10 GR 9/11 GR 9/12 GR 9/13 Area and volume Contd (6) rpreting and representing data Conterpreting and representing da	GR 9 /9 GR 9/10 GR 9/11 GR 9/12 GR 9/13 GR 9/14 Area and volume Contid (b) proreting and representing data Conterpreting an	and irrational numbers.Simplify a surd. Rationalise a denominator. fractions.To substitute numbers into fomulae. squares.To factorise quadratics of the form ax ^{2+bsrc} . squares.To factorise quadratics of the form ax ^{2+bsrc} . possible values of a measurement. GR 9 /9 GR 9/10 GR 9/10 GR 9/11 GR 9/12 GR 9/13 GR 9/14 GR 9/14 Area and values continition lengths, angles and areas of sectors of circles.To calculate value and areas problems: involving problems. To solve problems. To construct and use back - to To plot and interpret time series graphs. Draw all ne of best fut on a scatter graph. Moving Averages To construct and use back - to tain a contret graph. Moving Averages To construct and properties of tranels of a polytop to solve problems. To solve problems involving tranels of a polytop to solve problems. To solve text of tranels of a polytop to solve problems. To solve text of tranels of a polytop to solve problems. To solve text of tranels of a polytop to solve problems. GR 9/17 GR 9/18 GR 9/19 GR 9/20 GR 9/21 GR 9/22 GR 9/22 Gr 9/23 Graphs Contd (6) Sraphs Contd (6) Sraphs Contd (6) Sraphs Contd (6) To find the coordinateor to frava vand interpret train. To indicatoriatin te				

	Τę	problems involving ratio.		recurring decimal to a fraction	equations ax+by+c.To find the equation of a line given its gradient and one point.		graphically.	equat perp
		GR 9 /25	GR 9/26	GR 9/27	GR 9/28	GR 9/29	GR 9/30	
		Probability (6)	Similarity and congruence(6)	Similarity and congruence(6)	Circle Theorems(6)	Circle Theorems(6)	Circle Theorems(6)	
		To solve problems on	To show that two triangles	To use the ratio of	To solve problems involving	To understand and use	To understand prove and use	Reinfo
		combined events.To find	are congruent.To know the	corresponding sides to work	chords and radii.To prove	tangents at a point and from a	facts about angles subtended at	
	2	probabilities of mutually	conditions of congruence.To	out scale factors. To find	facts about angles in	point.Give reasons for angle	the circumference of a circle.To	
	E	exclusive events.	prove shapes are	missing lengths on similar	circles. To find mising angles	and length calculations	solve problems using circle	
	Te	Experimental	congruent. To solve problems	shapes	using theorems.	involving tangents.	theorems.	
		Probability.Independent	involving congruence.					
		events.To draw and use						
		probability tree diagrams.						

YEAR 10 LONG TERM PLAN with CURRICULUM STANDAR

	GR 10 /1				WEEK 5	WEEK 6	
		GR 10 /2	GR 10 /3	GR 10 /4	GR 10 /5	GR 10 /6	
	Equations and inequalities(6)	Equations and graphs	uations and inequalities (Continue	ations and inequalities (Continue	Similarity and congruence(4)	Similarity and congruence(6)	Simila
Term 1	Solve quadratic equations by factorisation, use the quadratic formula and by completing the square. (9.1 - 9.3)	Find coordinates of maximum point. Understand maximum and	Solve simultaneous equations algebraicallyy and graphycally Solve quadratic simultanious.		To show that two triangles are congruent.To know the	To use the ratio of corressponding sides to work out scale factors.To find missing lengths on similar shapes.	Use th factor volum
	GR 10 /9	GR 10/10	GR 10/11	GR 10 /12	GR 10 /13	GR 10 /14	
	Circle theorems (Continue) (6	Circle theorems (Continue) (6)	Further statistics (6)	More Trigonometry	More Trigonometry (Continued) (6)	More trigonometry (Continued)	
Term 1	Understand, prove and use facts about cyclic quadrilaterals and alternate segment theorem. Give reasons for angle sizes using mathematical language. Find the equation of the tangent to a circle at a given point.	Give reasons for angle sizes using mathematical language. Find the equation of the tangent to a circle at a given point	sample and stratifi ed sample. Draw and interpret cumulative frequency tables. Work out the median, quartiles and	Use trigonometric ratios to solve problems. Know exact values of the sine, cosine and tangent of some angles. Upper and lower bounds in trigonometry.Find the area of a triangle and a segment.	Find the area of a triangle and a segment of a circle. Use the sine rule to solve 2D problems.		Reinf
YE AR 10	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
	GR 10 /16	GR 10 /17	GR 10 /18	GR 10 /19	GR 10 /20	GR 10 /21	
	Vectors and geometric proof (6)	Vectors and geometric proof (6)	Number (6)	Probability(6)	Multiplicative reasoning(6)	Multiplicative reasoning.(Continue)(6	1
	notation. Calculate the	e 1		Draw and use probability tree			Solve p sequer
Term 2	solve vector problems, position	methods. Apply vector methods for simple geometric proofs.	01 (03)(3. (1.1)	diagrams. use tree diagrams, two-way tables and Venn diagrams to calculate conditional probability	Find an amount after repeated percentage changes. growth and decay, rates.Convert metric speed	Solve problems involving compound	Work of like sec Find th

ations of lines parallel or									
rpendicular to the given line.									
	1 8 CB 0/22								
	GR 9/31 & GR 9/32								
	Revision force all the concepts taught and discuss the revision work								
D .2									
DS									
	WEEK O								
WEEK 7	WEEK 8								
GR 10 /7	GR 10 /8								
ilarity and congruence(6)	Circle theorems (6)								
the link between scale	Understand about tangents at a								
ors for length, area and	point and from a point. Prove and								
ime to solve problems	use facts about angles subtended at								
	the centre and the circumference,								
	angle in a semicircle and angles								
	subtended at the circumference of a circle.								
	10/15								
	ision(12)								
nforce all the concepts ta	ught and discuss the worksheets.								
WEEK 7	WEEK 8								
GR 10 /22	GR 10 /23								
Algebra (6)	Area and volume(6)								
	Calculate the perimeter and area of								
iences.	semicircles and quarter circles.								
k out terms in Fibonnaci-	Calculate arc lengths, angles and								
sequences.	areas of sectors of circles. Calculate								
the nth term of a	volume and surface area of a cylinder and a sphere								

	collinear.			Use set notation		measures. Use relationships involving ratio. Use direct and indirect proportion	Yuau
	GR 10/24	GR 10 /25	GR 10 /26	GR 10 /27	GR 10 /28	GR 10 /29	
	Area and volume(Continue)(6)	Area and volume(Continue)(6)	Transformations and constructions (6	Transformations and constructions (6	Interpreting and representing data	Graphs(6)	
	Solve problems involving	Solve problems involving	Describe combinations of	Draw a locus.	Plot and interpret time series	Draw and interpret distance-time	Rein
n 2	volumes and surface areas.			Use loci to solve problems.	graphs. Use trends to predict the	graphs.	
err	Calculate volume and surface		bearings.Construct triangles using a		future. Construct and use two-way	Average speed from a distance-time	
F	area of pyramids and cones.	area or compound snapes	ruler and compasses, shortest		tables. Choose appropriate	graph.	
			distance from a point to a line.		diagrams to display data.	Velocity–time graphs.	
					Recognise misleading graphs.	Acceleration and distance from	
						velocity_time graphs	

YEAR 11 LONG TERM PLAN with CURRICULUM STANDAR

	YE AR 11	R WEEK 1 WEEK 2		WEEK 3	WEEK 4	WEEK 5	WEEK 6	
ľ		GR11/1	GR11/2	GR11/3	GR11/4	GR11/5	GR11/6	
		Jnit 13More Trigonometry(7	More Trigonometry(contd) (3)	More Trigonometry(contd)(5)	Init19Proportion and Graphs(6	More Trigonometry(6)	Unit6Graphs(5)	
	Term 1	Use upper and lower bounds in calculations, Calculating areas and the sine rule, The cosine rule and 2D trigonometric problems	Solving problems in 3D	Graphs of sine, cosine and tangent functions. Assessment - 1 Unit 13 and Revision topics Unit 5	Translating, Reflecting and Stretching graphs of functions	Reflecting, translating and stratching Trigonometric curves, Solve equations. Assessment - 2 Transformation	D/T, V/T and More real life graphs	Calc
		GR11/8	GR11/9	GR11/10	GR11/11	GR11/12	GR11/13	
		Unit 15 Equations and	Unit 14 Further Statistics(5)	Further Statistics(5)	Unit 17More Algebra(5)	Jnit11Multiplicative Reasoning(5	Unit 7Area and Volume (5)	
	Term 1	To find an accurate root of a quadratic and cubic equation by using iterative process. Assessment - revision unit 9 and unit 15	Sampling, cumulative frequency, box plots	Drawing and interpreting Histograms, comparing and describing population Assessment revision units - 1,2,4,	Algebraic fractions, surds, solving algebraic fraction equations , functions	Growth, decay, compound measures, ratio and proportion	Prisms, circles, sectors of circles, cylinders and spheres, pyramids and cones	Re
	YE AR 11	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
		GR11/15	GR11/16	GR11/18	GR11/19	GR11/20	GR11/21	
	Term 2	Unit16Circle Theorems(5) To prove and apply all the circle theorems	18Vectors and Geometric Proc Vector Arithmetic, Parallel and collinear vectors, Solving geometric problems Assessment 1	Unit10Probability(5) Mutually exclusive, Independent events, Experimental probbaility, conditional probability, venn diagrams and set notation	it12Similarity and Congruence Similar , Congruent triangles,	Similarity and Congruence(5) similarity in 3D shapes. Assessment 2	Interpreting and representing da Time series, scatter diagrams, line of best fit, averages and range	Unit Ref enlar Beari
ľ		GI	R11/					
	Term 2	Revision Reinforcing all the concepts taught. Disussion of sample papers and mock papers.						
			GRAD	E 12 LONG	TERM PLAN	with CURRIC	ULUM STAND	AR

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CP	10 /30
	vision(12)
nforce all the concepts ta	ught and discuss the worksheets.
DS	
WEEK 7	WEEK 8
G	R11/7
	and Graphs(8)
	tangent at a point, Estimate the
-	
area under a non lin	ear graph. Assessment 3
G	R11/14
	evision
Reinforcing all the concep	ots done and discussion of past
р	apers.
-	
WEEK 7	WEEK 8
GR11/21	GR11/22
nit8Transformation and	
	Transformation and Constructions
Reflection, Translation,	Constructions and loci
argement and Rotation,	
rings and scale drawings	
RDS	

AR 12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Y12 / 1 (3)	Y12 / 2 (3)	Y12 / 2 (2) & 3 (1)	Y12 / 3 (3)	Y12 / 4 (3)	Y12 / 4 (2) & 5 (1)	Y12 / 5 (2) & 6 (1)	Y12 / 6 (3)
	Algebraic Expressions	Quadratics	Quadratics, Equations and inequalities	Equations and inequalities	Graphs and Transformations	Graphs and Transformations, Straight Line Graphs	Straight Line Graphs, Cirlces	Cirlces
Term 1	Expanding Brackets and Factorising, Index Laws, Negative and Fractional Indices, Surds and Rationalising denominators	Solving Quadratic Equations by (i) Factorising (ii) Quadratic Formula, Completing the square, Functions	Sketching Quadratic graphs, Finding the nature of roots using Discriminant, Modelling with quadratics, Solving Linear simultaneous equations, Solving Quadratic Simultaneous equations	Representing simultaneous equations on graphs, Solving Linear Inequalities, Solving Quadratic inequalities, Inequalities on graphs, Regions	Sketching cubic graphs, Sketching Reciprocal Graphs, Sketching Quartic Graphs, Sketching curves to find point of intersection	Translation of graphs, Stretching and reflecting Graphs, Transformation of Graphs, Gradient and Equation of the line, Review Exercise 1	Parallel and Perpendicular lines, Length and area, Modelling with straight lines, Midpoint and Perpendicular Bisectors, Equation of a circle	Intersection of straight lines and circles, Use tangent and Chord Properties, Circles and triangles
	Y12S / 1 (3)	Y12S / 1 (3)	Y12S / 1 (1) & 2 (2)	Y12S / 2 (3)	Y12S / 2 (3)	Y12S / 2 (3)	Y12S / 3 (3)	Y12S / 3 (3)
	Data collection	Data collection	Data collection, Measures of location and spread	Data collection, Measures of location and spread	Data collection, Measures of location and spread	Data collection, Measures of location and spread	Representation of data	Representation of data
Term 1	Population and samples, Sampling	Non random sampling, Types of data	Large data set, Measure of central tendency: Mean and Mode	Measure of central tendency: Median, Other measures of location: Quartiles	Other measures of location: Percentile, Measures of spread	Variance and standard deviation, Coding	Outliers, Box plots	Cumulative frequency, Histogram
YE AR 12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Y12 / 7 (3)	Y12 / 7 (1) & 8 (2)	Y12 / 8 (2) & 9 (1)	Y12 / 9 (3)	Y12 / 10 (3)	Y12 / 10 (3)		
	Algebraic Methods	Algebraic Methods, Binomial Expansion	Binomial Expansion, Trigonometric Ratios	Trigonometric Ratios	Trigonometric Identities and Equations	Trigonometric Identities and Equations	Revision	Revision
Term 1	Algebraic fractions, Dividing polynomials, Factor theorem, Mathematical Proof	Methods of proof, Pascal's triangle, Factorial Notation and Binomial Expansion	Solving binomial problems, Binomial Estimation, Cosine Rule , Sine Rule	Area of triangle, Solving triangle problems, Graphs of Sine, Cosine, Tangent, Transforming trigonometric graphs	Angles in all four quadrants, Exact value of trigonometical ratios, Trigonometric identities	Simple trigonometric equations, Harder trigonometric equations, Equations and Identities, Review Exercise 2f		
	Y12S / 3 (3)	Y12S / 4 (3)	Y12S / 4 (2) & 5 (1)	Y12S / 5 (3)	Y12S / 5 (3)	Y12S / 5 (2) & 6 (1)		
	Representation of data	Correlation	Correlation, Probability	Probability	Probability	Probability, Statistical Distributions	Revision	Revision
Term 1	Histogram with unequal intervals, Comparing data	Scatter Diagram and Correlation, Linear regression	Using regression line , Calculating Probabilities	Venn Diagrams, Mutually exclusive events	Independent Events, Tree diagrams	Conditional Probability, Probability Distributions		
YE AR 12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Y12 / 11 (3)	Y12 / 11 (3)	Y12 / 12 (3)	Y12 / 12 (3)	Y12 / 12 (3)	Y12 / 12 (3)	Y12 / 13 (3)	Y12 / 13 (3)
	Vectors	Vectors	Differentiation	Differentiation	Differentiation	Differentiation	Integration	Integration
Term 2	Vector notation, Representing as column vectorsMagnitude and direction	Position vectors, Representing as column vectors, Magnitude and direction	Gradient of curve, Finding the derivative, Differentiating x ⁿ	Differentiating quadratics, functions with two or more terms, Tangents and normals	Increasing and decreasing functions, Second order derivatives, Stationary points, Maximum and minimum points	Sketching gradient functions, Modelling with differentiation	Integrating xn, Indefinite integrals	Finding functions using integration, Definite integrals

	Y12S / 6 (3)	Y12S / 6 (2) & 7 (1)	Y12S / 7 (3)	Y12S / 7 (3)	Y125 / (3)	Y12S / (3)	Y12S / (3)	Y12S / (3)
S	Statistical Distributions	Statistical Distributions, Hypothesis Testing	Hypothesis Testing	Hypothesis Testing	S 2	S 2	S 2	S 2
	Binomial Distributions, umulative Probabilities	Cumulative Probabilities for Binomial Distribution, Hypothesis testing	Finding critical values, One tailed test	Two tailed test, Review Exercise	Population, census and sample. Sampling unit, sampling frame, Other methods of sampling: stratified, systematic, quota	stem and leaf diagrams, Continuous random variables and their probability density functions	Skewness. Concepts of outliers.	The concept of a discrete and continuous random variable.
ТЕ Л R 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Y12 / 13 (3)	Y12 / 13(1) & 14 (2)	Y12 / 14 (3)	Y12 / 14 (3)	Y12 / 14 (3)	Y12 / 14 (3)		
	Integration	Integration, Exponentials and Logarithms	Exponentials and Logarithms	Exponentials and Logarithms	Exponentials and Logarithms	Exponentials and Logarithms	Revision	Revision
	Areas under the curve, Areas under the x axis	Area between curve and line, Exponential Functions	Graph of y = e ^x , Exponential modelling	Logarithms, Laws of logarithms	Solving equations using logarithms, Working with natural logarithms	Logarithms and non linear data, Review Exercise 3		
	Y12S / (3)	Y12S / (3)	Y12S / (3)	Y12S / (3)	Y12S / (3)	Y12S / (3)		
	S 2	S 2	S 2	\$ 2	S 2	\$ 2	Revision	Revision
	Use tables to find babilities in the standard normal distribution Z	The Poisson distributions.	Hypothesis tests for the proportion p of a binomial distribution and hypothesis tests for the mean λ of a Poisson distribution?	Hypothesis tests for the proportion p of a binomial distribution and hypothesis tests for the rate λ of a Poisson distribution using critical reasons	Concept and interpretation of a hypothesis test.	Null and alternative hypotheses		
		YEAR 13 LO	ONG TERM	PLAN (PURE	PURE) with Cl	JRRICULUM S	TANDARDS	
Æ P	WEEK 1	WEEK 2	WEEK 3	WEEK A	WEEK 5	WEEK	WEEK 7	WEEV 0

YE AR 13	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	C4 Module 1(4)	C 4 Module 2(4)	(Contd.)C 4 Module 3(4)	C 4 Module 4(4)	C 4 Module 5(6)	C 4 Module 6(6)		
	PARTIAL	-ORDINATE GEOMET	BINOMIAL EXPANSION	DIFFERENTIATION	VECTORS	INTEGRATION		
Term 1	its partial fractions	Use Parametric equations to find area under a curve	Use Partial fractions to expand more complex fractional expressions	Differentiating relations which are implicit & rates of change	The scalar product of two vectors	Integrate standard functions as antiderivatives & using reverse of the chain rule		
	C 4 Module 2(2)	C 4Module 3(2)	C4 Module 4(2)	C 4Module 5(2)		C 4 Module 6		
	CO-ORDINATE GEOMETRY	BINOMIAL	DIFFERENTIATION	VECTORS (2)		INTEGRATION		
Term 1	Find cartesian equation from parametric form	Use binomial expansion when n-negative/rational	Find the gradient of a curve whose equation is given in Parametric form	Cartesian components of vectors in 2 D	Find the vector equation of a line	To use trigonometric identities to integrate expressions		
YE								

AR 13	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
	C 4 Module 6(6)	C 4 Module 6(4)	C 4 Module Test(2)	FP1 Module 2(4)	FP1 Module 5(4)	FP1 Module 4(4)Contd	
	INTEGRATION	INTEGRATION		NUMERICAL	SERIES	MATRIX ALGEBRA	
Term 1	Use subtitution to integrate expressions	To solve first order differential equations with separable variables	To solve exam style questions	To use interval bisection, linear interpolation and the Newton-Raphson methods to find approximations to	To use standard formulae & sum more complex series	Using Matrices to represent combinations of transformations	
		FP1 Module 1(2)	FP1 Module 1(4)Contd.	FP1 Module 3(2)	FP1 Module 4(2)	FP1 TEST(2)	1
Term 1 Term 1 Term 1	INTEGRATION (CONTD)	COMPLEX NUMBERS	COMPLEX NUMBERS	COORDINATE	MATRIX ALGEBRA		
Term 1	Use Parts to integrate expressions	To add ,subtract, multiply and divide complex numbers	To find the modulus & argument of a complex number	Work with Cartesian and parametric equations of a parabola & a rectangular hyperbola	To add , subtract & multiply two matrices.	To solve questions 1-5 chapter 4 upto 4.7	
	INTEGRATION		COMPLEX NUMBERS		COMPLEX NUMBERS		
			CONFLEX NUMBERS				
Term 1	Find areas & volumes using integration		To solve equations that has complex roots		Using matrices to represent rotations, reflections & enlargements		
	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
	FP1 Module 4(4)	FP1 Module 6(6)	FP2 Module 1(3)	FP2 Module 3(6)	FP-2Module 3(6)	FP-2 Module 4(6)	
	MATRIX ALGEBRA	PROOF BY	INEQUALITIES	FURTHER COMPLEX	FURTHER COMPLEX NUMBER	FIRST ORDER DIFFERENTIAL	1
Term 2	To find the inverse of a 2 x2 matrix when it exists	To prove summation of series using induction	Solve modulus & rational inequalities	Use de Moivre's theorem to find roots	Use complex numbers to describe locus & transformations	Solve first order D.E. Using integrating factor	
	FP1 Module 4						1
		FP1 Module 6	FP2 Module 2(3)	FP-2 Module 3	FP-2Module 3	FP2 Module 4	
	MATRIX ALGEBRA	FP1 Module 6 PROOF BY MATHEMATICAL	FP2 Module 2(3) SERIES	FP-2 Module 3	FP-2Module 3		
Term 2					FURTHER COMPLEX NUMBER Apply transformations from the	FIRST ORDER	
Term 2	MATRIX ALGEBRA Use Matrices & their inverses to solve linear	PROOF BY MATHEMATICAL To use induction to prove an expression is divisible by a	Series using method of	FURTHER COMPLEX NUMBER	FURTHER COMPLEX NUMBER Apply transformations from the	FIRST ORDER To use a given substitution to reduce a differentiail equation to	
Term 2	MATRIX ALGEBRA Use Matrices & their inverses to solve linear	PROOF BY MATHEMATICAL To use induction to prove an expression is divisible by a	Series using method of	FURTHER COMPLEX NUMBER	FURTHER COMPLEX NUMBER Apply transformations from the	FIRST ORDER To use a given substitution to reduce a differentiail equation to	
Term 2 Term 2	MATRIX ALGEBRA Use Matrices & their inverses to solve linear	PROOF BY MATHEMATICAL To use induction to prove an expression is divisible by a	Series using method of	FURTHER COMPLEX NUMBER	FURTHER COMPLEX NUMBER Apply transformations from the	FIRST ORDER To use a given substitution to reduce a differentiail equation to	

WEEK 7	WEEK 8
WEEK 7	WEEK 8

AR 13	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	
	FP-2 Module 5(6)	FP-2 Module 5(6)	FP-2 Module 6(6)	FP-2 Module 6(6)	FP-2 Module 7(6)	FP-2 Module 7(4) + FP2	
	SECOND ORDER	SECOND ORDER	MACLAURIN &	MACLAURIN & TAYLORS	POLAR CO-	POLAR CO-ORDINATES	
Term 2	Solve a second order D.E for different type of roots to the auxiliary quadratic equation	To use boundary conditions to find a specific solution	Express functions as infinite series using Maclaurin & Taylors' expansions	Finding a series solution to a D.E using Taylor series method	Sketch polar curves & find area	To find the equation of tangents parallel & perpendicular to the initial line	
	FP-2 Module 5(6)						
	SECOND ORDER DIFFERENTIAL EQUATIONS						
Term 2	y= C.F + P.I	Use a given substitution to transform a second order D.E into a familiar form					
Term 2							

YEAR 13 LONG TERM PLAN (PURE APPLIED) with CURRICULUM ST

	C3 Module 1(4)	C 3 Module 2(4)	(Contd.)C 3 Module 2(2)	C 3 Module 3(4)	C 3 Module 4(4)	C 3 Module 5(4)	
	ALGEBRAIC	FUNCTIONS	FUNCTIONS	THE EXPONENTIAL & LOG	NUMERICAL METHODS	TRANSFORMING	
Term 1	Apply remainder & factor theorem	function, domaim and range	To find the inverse of a funtion & understand the relationship between the graphs of f & inverse	Solve equations involving ex & Inx	Use graphical method to find the number of roots of f(x)=0	Sketch the graph of $y = /f(x)/ \& y = f(/x/)$	
	M 2 Module 1(2)	C 3Module 2	C3 Module 3(2)	C 3 Module 3(4)	C 3 Module 4	C 3 Module 5	
	KINEMATICS OF A	FUNCTIONS	THE EXPONENTIAL	EXPONENTIALS &	NUMERICAL METHODS	TRANSFORMING GRAPHS OF	
Term 1	To solve problems involving motion of projectiles	Combine two or more functions to make a composite function	Sketch simple transformations of y=ex &y= Inx	Solve real life examples of exponential growth & decay	Use iteration to find approximation to the root	Solve equations involving the modulus function	
			M2 Module 1(2)	M 2Module 1(2)	M 2 Module 2(2)	M 2 Module 2(2)	
			KINEMATICS OF A PARTICLE	KINEMATICS OF A	CENTRES OF MASS	CENTRES OF MASS	
Term 1		know the difference between a one-one and many to one functions	Solve problems when acceleration varies with time	Use calculus & vectors to solve problems involving motion in two dimensions	Find the centre of mass of a system of particles in two dimensions	Use knowledge of standard results to find centre of mass of a plane lamina	
		M 2 Module 1 (2)Contd					
		KINEMATICS OF A PARTICLE					

WEEK 7	WEEK 8
FANDARDS	

Term 1		To solve problems involving motion of projectiles						
Y A 1	R WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	C 3 Module 5(2)	C 3 Test chap 1 - 5	C 3 Module 6(4)	C 3 Module 6(4)	C 3 Module 7(4)	C3 Module 7(4)		
	TRANSFORMING GRAPHS		TRIGONOMETRY	TRIGONOMETRY	FURTHER	FURTHER TRIGONOMETRIC		
Term 1	Solve equations involving the modulus function	Solve exam style questions from these chapters	To solve equations & prove identities involving sec θ , cosec θ and cot θ	To prove and use the identities $1 + \tan 2\theta = \sec 2$ $\theta \& 1 = \cot 2 \theta = \csc 2\theta$	Prove & Use the addition formulae & double angle formule	Use alternative form to solve trigonometric equations		
	M 2 Module 2(2)	C3 Module 6(2)	M 2 Module 3(2)	C3 Module 6	M 2 Module 3(2)	C 3 Module 7		
	CENTRES OF MASS		WORK, ENERGY & POWER	TRIGONOMETRY	WORK, ENERGY & POWER	FURTHER TRIGONOMETRIC		
Tarm 1	Solve problems involving		To use principle of conservation of energy and the W-E principle to solve problems involving a moving particle	Graph reciprocal & inverse trigonometric functions	Solve problems about moving vehicle including calculating the power developed by its engine.	To prove and apply the factor formulae		
		M 2 TEST CHAP 1-2		M 2 Module 3(2)		M 2 Module 4(2)		
				WORK, ENERGY & POWER		COLLISIONS		
Tarm 1	4	Solve exam style questions from these chapters		To use principle of conservation of energy and the W-E principle to solve problems involving a moving particle		Use the impulse- momentum principle & the principle of conservation of momentum in vector form		
Y. A 1.	R WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	C 3 TEST ON CHAP 6,7	C 3Module 8(4)	C3 Module 8(2)	C 4 Module 1(2)	C 4 Module 2(4)	C 4 Module 3(4)		
		DIFFERENTIATION	DIFFERENTIATION	PARTIAL	D-ORDINATE GEOMET	BINOMIAL		
Tarm 2	Solve exam style questions from these chapters	Differentiate expressions using the product rule and the quotient rule	Apply the various methods of Differentiation	Express fraction into its partial fractions	Sketch the graph of a curve given its Parametric equation	Use binomial expansion when n-negative/rational		
	C 3 Module 8(2)	C 3Module 8	C4 Module 1(2)	C 4 Module 2(2)	C 4 Module 2	C 4 Module 3		
	DIFFERENTIATION	DIFFERENTIATION	PARTIAL FRACTIONS	CO-ORDINATE GEOMETRY	CO-ORDINATE GEOMETRY	BINOMIAL EXPANSION		
Term 2		Diffedrentiate expressions involving exp, log and trigonometry	Express fraction into its partial fractions	Find cartesian equation from parametric form	Use Parametric equations to find area under a curve	Use Partial fractions to expand more complex fractional expressions		
	M 2 Module 4(2)	M 2 Module 4(2)	M 2 Module 4(2)	M 2 Module 4(2)	M2 TEST Chap 4	M 2 Module 5(2)		
	COLLISIONS	<u>COLLISIONS</u>	COLLISIONS	<u>COLLISIONS</u>	COLLISIONS	STATICS OF RIGID BODIES		
ر س		Apply conservation of			Salva avam stula			

	ler I	nomentum & Newton's law of restitution to solve problems involving direct impacts	momentum & Newton's law of restitution to solve problems involving direct impacts	Model and solve problems involving successive impacts	Model and solve problems involving successive impacts	questions from these chapters	To find the sum of moments of the forces acting on a rigid body		
ŀ	Έ IR I3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
		C 4 Module 4(4)	C 4 Module 4(2)	C4 Module 5(4)	C 4 Module 6(4)	C 4 Module 6(4)	C4 Module 6(4)		
		DIFFERENTIATION	DIFFERENTIATION	VECTORS	INTEGRATION	INTEGRATION	INTEGRATION		
	പ	Find the gradient of a curve whose equation is given in Parametric form	Differentiating relations which are implicit & rates of change	The scalar product of two vectors	Integrate standard functions as antiderivatives & using reverse of the chain rule	Useartial fractions subtitution to integrate expressions	Find areas & volumes using integration		
		C 4 Module 4	C 4 Module 5(2)	C4 Module 5	C 4 Module 6	C4 Module 6	C4 Module 6		
		DIFFERENTIATION	VECTORS	<u>VECTORS</u>	INTEGRATION	INTEGRATION	INTEGRATION		
	lerm 2	Differentiating relations which are implicit & rates of change	Cartesian components of vectors in 2 D & 3 D	Find the vector equation of a line & to determine whether two lines intersect or not in 3 - D	To use trigonometric identities to integrate expressions	Use Parts to integrate expressions	To solve first order differential equations with separable variables		
		M-2 Module 5(2)	M-2 Module 5(2)	M-2 Module 5(2)	M-2 Module 5(2)	M-2 REVISION	M-2 MODULE TEST		
Term 2	νF	To find the sum of moments of the forces acting on a rigid body	STATICS OF RIGID BODIES To find the sum of moments of the forces acting on a rigid body	Solve problems about the equilibrium of a rigid body	Solve problems about the equilibrium of a rigid body	To solve exam style questions			