## St. Mary's Catholic High School - MATH (2018-2019)

## YEAR 1 LONG TERM PLAN with CURRICULUM STANDARDS

YEAR 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Yr1/1		Yr1/3	Jr1/4	Jr1/5	Jr1/6	Jr1/7	Jr1/8
	Numerals		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 numerals	•	Completing additions	Completing additions	Writing addition	Identify doubles of	Write the next two	
1	objects upto 20. Missi	_	using number bonds of	using number bonds of 5	bonds to 10.	numbers upto 5 and	numbers and	
Term 1	names u	pto 10.	4 and 5	and 6		begin to add	complete the	
Τe						numbers to find the	addition	Reinforcement
						doubles		
	Jr1/9	Jr1/10	Jr1/11	Jr1/12	Jr1/13	Jr1/14	Jr1/15	Jr1/16
	Adding 1 more/1 less		Ordering/Comparing numbers		Pairs to 5 and 6/ Time	Pairs to 7 and	s using bonds/subtracting	
	Writing numbers one	Identify 2D shapes and		Estimating a number of	Make pairs with	Complete the	Subtracting	
	more or one less than	properties,straight	and writing number	objects, Identifying the	total of 5 and 6.	addition to make 7	numbers from 10.	
Term 1	any given number	and curved sides,	between	teen numbers, Writing the	_	and 10. Subtracting	solving problems	
Ter		symmetry with 2D		ordinals in the correct	0'clock and half	numbers from 5, 6	using number	Reinforcement
		shapes and venn		order	past.	and 10.	bonds	
		diagram						
YEAR 1	W/DDIZ 4							
1 LIXIX I	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
T LIMIT	Jr1/17	Jr1/18	Jr1/19	Jr1/20	Jr1/21	Jr1/22	Jr1/23	WEEK 8 Jr1/24
	Jr1/17 comparing length/ Counting on	Jr1/18 Recognising/Adding Coins	Jr1/19 1 more/1 less/2 more/ 2 less	Jr1/20 Adding and subtracting bonds to 1	Jr1/21 Bonds to 5,6 and	Jr1/22 3D Shapes/Days and	Jr1/23 Odd and Even numbers	
12.mc1	Jr1/17 comparing length/ Counting on Can use language of	Jr1/18 Recognising/Adding Coins Identifying coins,	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers	Jr1/20 Adding and subtracting bonds to 1 Completing the addition	Jr1/21 Bonds to 5,6 and Complete the	Jr1/22 3D Shapes/Days and Recognising 3D	Jr1/23 Odd and Even numbers Identifying odd and	
TEMET	Jr1/17 comparing length/ Counting on Can use language of position and	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences	Jr1/21 Bonds to 5,6 and Complete the addition and	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto	
	Jr1/17 comparing length/ Counting on Can use language of position and direction,Comparing	Jr1/18 Recognising/Adding Coins Identifying coins,	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its properties, Sorting of	Jr1/23 Odd and Even numbers Identifying odd and	
	Jr1/17 comparing length/ Counting on Can use language of position and direction,Comparing length,Complete the	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or two less than any given	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10	Jr1/21 Bonds to 5,6 and Complete the addition and	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its properties, Sorting of shapes, Write the	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto	Jr1/24
Term 2	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its properties, Sorting of shapes, Write the days of the week in	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto	
	Jr1/17 comparing length/ Counting on Can use language of position and direction,Comparing length,Complete the	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or two less than any given	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its properties, Sorting of shapes, Write the days of the week in the correct	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.	Jr1/24
	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or two less than any given	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its properties, Sorting of shapes, Write the days of the week in the correct order, Completing the	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.	Jr1/24
	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or two less than any given	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its properties, Sorting of shapes, Write the days of the week in the correct	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.	Jr1/24
	Jr1/17 Comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on and back by 1,2 and 3	Jr1/18  Recognising/Adding Coins  Identifying coins,  Adding up coins to  find the total.	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or two less than any given numbers	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find fonds to 5, 6 and 7	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its properties, Sorting of shapes, Write the days of the week in the correct order, Completing the months of the year	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.	Jr1/24  Reinforcement
	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on and back by 1,2 and 3	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to find the total.  Jr1/26	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or two less than any given numbers  Jr1/27	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10  Jr1/28	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find fonds to 5, 6 and 7	Jr1/22 3D Shapes/Days and Recognising 3D shapes and its properties, Sorting of shapes, Write the days of the week in the correct order, Completing the months of the year	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.	Jr1/24
	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on and back by 1,2 and 3  Jr1/25 Counting in 2's	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to find the total.  Jr1/26 , 5's and 10's	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers that are one more or one less/two more or two less than any given numbers  Jr1/27 Quarter/half of shapes/Half	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10  Jr1/28 Doubles to 10/Pairs to 20	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find fonds to 5, 6 and 7  Jr1/29 O'clock/Half past/Quarter	Jr1/22 3D Shapes/Days and Recognising 3D shapes 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	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.	Jr1/24  Reinforcement
Term 2	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on and back by 1,2 and 3	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to find the total.  Jr1/26 , 5's and 10's	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers 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	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10  Jr1/28 Doubles to 10/Pairs to 20 Add to find the	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find fonds to 5, 6 and 7  Jr1/29  O'clock/Half past/Quarter  Read and write the	Jr1/22 3D Shapes/Days and Recognising 3D shapes 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	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.  Jr1/31	Jr1/24  Reinforcement
Term 2	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on and back by 1,2 and 3  Jr1/25 Counting in 2's	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to find the total.  Jr1/26 , 5's and 10's	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers 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,	Jr1/20 Adding and subtracting bonds to 10 Completing the 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	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find fonds to 5, 6 and 7  Jr1/29  O'clock/Half past/Quarter  Read and write the correct time to	Jr1/22 3D Shapes/Days and Recognising 3D shapes 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	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.  Jr1/31	Jr1/24  Reinforcement
	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on and back by 1,2 and 3  Jr1/25 Counting in 2's	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to find the total.  Jr1/26 , 5's and 10's	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers 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	Jr1/20 Adding and subtracting bonds to 10 Completing the addition and subtraction sentences to find bonds to 10  Jr1/28 Doubles to 10/Pairs to 20 Add to find the	Jr1/21  Bonds to 5,6 and  Complete the addition and subtraction to find fonds to 5, 6 and 7  Jr1/29  O'clock/Half past/Quarter  Read and write the	Jr1/22 3D Shapes/Days and Recognising 3D shapes 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	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.  Jr1/31	Jr1/24  Reinforcement
Term 2	Jr1/17 comparing length/ Counting on Can use language of position and direction, Comparing length, Complete the addition counting on and back by 1,2 and 3  Jr1/25 Counting in 2's	Jr1/18 Recognising/Adding Coins Identifying coins, Adding up coins to find the total.  Jr1/26 , 5's and 10's	Jr1/19 1 more/1 less/2 more/ 2 less Finding out numbers 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	Jr1/20 Adding and subtracting bonds to 10 Completing the 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	Jr1/21  Bonds to 5,6 and  Complete the addition 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,	Jr1/22 3D Shapes/Days and Recognising 3D shapes 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	Jr1/23 Odd and Even numbers Identifying odd and even numbers upto 100.  Jr1/31	Jr1/24  Reinforcement

		YEAR 2	LONG TERM	I PLAN with C	URRICULUN	1 STANDAR	DS	
YEAR 2	WEEK 1	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.	Y 2/5 Begin to mark numbers on a number line, compare and order numbers, using signs, work systematically to find all possible inequalities, find 1 and 10 more or less using the 100-square	Y 2/6  Know and use ordinal numbers; understand that 2-digit numbers are made from some 10s and some 1s; Understand place value using 10p and 1p coins; find and record all possible amounts using 10p and 1p coins;	Y 2/7  Add and subtract 10, 20 and 30 to any 2-digit number; Add and subtract 11, 21, 12 and 22 to any 2-digit number; Solve addition and subtractions by counting on and back in 10s then in 1s; solve addition and subtraction problems	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	Y 2/12  Revise number bonds to 10; begin to bridge 10; subtract from 10 and 20; use number facts to find the complement to ten; find a difference between two numbers by counting on	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	Y 2/14  Recognise and identify properties of 3D shapes; sort according to properties including number of faces; name the 2D shapes of faces of 3D shapes; tell the time to the nearest quarter on analogue and digital clocks	numbers on a landmarked line and	Revision and Assessment First Term Exam
YEAR 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	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 number line; count in $^{1}/_{2}$ and $^{1}/_{4}$ ; understand and write mixed numbers	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 arrays, rotate arrays to show they are commutative	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 chart; interpret and complete a pictogram or block graph where one block or symbol represents one or two things	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 divisions as multiplications with holes in and use the ÷ sign	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 pences; add two amounts of money, beginning to cross into £s	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 counting on in 10s and 1s; subtract 2-digit numbers by counting back in 10s and 1s	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 counting up; find small differences either side of a multiple of 10	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 place-value cards (partitioning, answers more than 100)
	Y 2/24  Measure weight and capacity using standard or uniform nonstandard units; draw a block	Y 2/25 Double multiples of 10 and 5 (answers less than 100); double 2-digit numbers	Y 2/26  Begin to understand that addition undoes subtraction and vice versa; add three or	Y 2/27 Count in 3s; recognise numbers in 3 times-table; understand that multiplication is commutative	Y 2/28  Measure and estimate lengths in centimetres; tell the time involving	Y 2/29 Partition to add two 2-digit numbers; find the difference between two 2-	numbers and find bonds	

Term 2	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 3/4 of numbers; find 1/2 1/4 and 1/3 of amounts (sharing)	•	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	multiples of 5 minutes past the hour and 5 minutes to the hour; tell time to 5 minutes; begin to say the time 10 minutes later	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	thermometers; revise place value in 2-digit numbers, numbers between 100 and 200, and 3-digit numbers (including zeros in the 10s and 1s places)	Revision and Assessment Final Exam
		YEAR 3	LONG TERM	1 PLAN with C	URRICULUN	/ STANDAR	DS	
YEAR 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Y3M1 Number and Place value/ Partitioning of 3- digit numbers	Y3M2  Mental addition and subtraction	G3M3  Mental addition and subtraction/Handling Data	G3M4  Mental multiplication and division(Times tables of 3 and 4)/Long division	G3M5  Doubles to double 50  and halves of even numbers to 40; halves	G3M6 Calender	G3M7	G3M8  Round to the nearest  10/Placing numbers on a  number line
Term 1	Read and write numbers up to 1000 in numerals and	to 100. Addition using bonds to 10, 20 and doubles,	Adding or subtracting multiples, near multiples of 10 to or from 2-digit numbers. Interpret and present data using bar charts and frequency table.	Multiplying and dividing by 3, 4, 5 and 10. Understand that division is the inverse of multiplication.		Know the number of days leap y Telling time to quarter ho clocks including using Roma Telling the time to five mini and digita	ear our on analogue, digital an numerals from I to XII. ute intervals on analogue	Round to the nearest 10. Finding numbers on a number line and rounding to the nearest 10. Finding and placing 3- digit numbers on a number line.
	G3M9	G3M10	G3M11	G3M12	!	G3M13	G3M14	
	3-D shapes	Fractions of shapes and amounts (unit and non-	Addition and subtraction (written method)	Money	,		Mental multiplication/Divisio	Revision
		unit fraction)/ long					n with remainders	
	Recognise 3D shapes in different orientations and describe them.	Recognizing fractions as equal parts of a whole Compare unit fractions. Recognize, find and write fractions of a discrete set of	Begin to add and subtract numbers with up to 3 digits. Using formal written methods of columnar addition (carry forward). Using formal written methods of columnar subtraction	Making pounds and pence amoun Adding amounts of money. Solve number and practical proble add and subtract amounts of mon	ms using place value to	Measure to the nearest centimetre; millimetre. Converting between metres, centimetres and millimetres.	n with remainders Understand that a remainder is the amount left over after a division and begin to understand the patterns of remainders.	
1	in different orientations	Recognizing fractions as equal parts of a whole Compare unit fractions. Recognize, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators, e.g. 1/2, 1/3, 1/4, 1/5 of multiples of 2, 3,4 and 5 using visual representations. Introduce	Begin to add and subtract numbers with up to 3 digits. Using formal written methods of columnar addition (carry forward). Using formal written methods of columnar subtraction	Adding amounts of money.  Solve number and practical proble add and subtract amounts of mon	ms using place value to	Measure to the nearest centimetre; millimetre. Converting between metres, centimetres and millimetres.	Understand that a remainder is the amount left over after a division and begin to understand the patterns of	WEEK 8
Term 1	in different orientations and describe them.	Recognizing fractions as equal parts of a whole Compare unit fractions. Recognize, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators, e.g. 1/2, 1/3, 1/4, 1/5 of multiples of 2, 3,4 and 5 using visual representations. Introduce long division.	Begin to add and subtract numbers with up to 3 digits. Using formal written methods of columnar addition (carry forward). Using formal written methods of columnar subtraction (borrowing)	Adding amounts of money.  Solve number and practical proble add and subtract amounts of mon	ms using place value to ey.	Measure to the nearest centimetre; millimetre. Converting between metres, centimetres and millimetres.	Understand that a remainder is the amount left over after a division and begin to understand the patterns of remainders.	
YEAR 3	in different orientations and describe them.  WEEK 1	Recognizing fractions as equal parts of a whole Compare unit fractions. Recognize, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators, e.g. 1/2 , 1/3, 1/4 , 1/5 of multiples of 2, 3,4 and 5 using visual representations. Introduce long division.  WEEK 2  G3M16  LO/Sorting	Begin to add and subtract numbers with up to 3 digits. Using formal written methods of columnar addition (carry forward). Using formal written methods of columnar subtraction (borrowing)	Adding amounts of money.  Solve number and practical proble add and subtract amounts of mon  WEEK 4	ms using place value to ey.  WEEK 5	Measure to the nearest centimetre; millimetre. Converting between metres, centimetres and millimetres.  WEEK 6	Understand that a remainder is the amount left over after a division and begin to understand the patterns of remainders.  WEEK 7  G3M21	WEEK 8

Te	diagram.			" " '	perimeter of simple 2D shapes and rectilinear shapes	contexts. Find chang	ge from £10, £5, £2.	Calculate time intervals and compare durations of events.
	G3M23	G3M24	G3M25	G3M26	G3M27	G3M28	G3M29	
Term 2	Multiplying multiples of 10/Vertical multiplication / Estimation  Multiply multiples of 10 by one digit number. Write and calculate mathematical statements for multiplication using multiplication tables, including 2-digit numbers. Using mental and progressing to formal written methods to multiply 2-digit numbers by 3, 4, 5, and 8.	Doubling and halving	Multiplying and dividing by 2,3, 4,5 and 10 (problem solving)	Interpret and present data using frequency tables; tally pictograms, Venn diagram. Solve questions (for example, 'How many fewer?') using informatin scaled bar charts, pictograms ar	chart; barchart, 1-step and 2-step y more?' and ition presented	Parallel, perpendicular/Vertical and horizontal lines Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.	Problem solving  Choose an appropriate strategy (mental or written) to solve problems involving different operations( addition, subtraction, multiplication, division, fractions, doubles and halves, pound and pence and measures.	Revision
		VFΔR 4	LONG TERM	l PLAN with C	I IRRICUI UN	/ STANDAR	DS	
YEAR 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Numbers	Numbers	Numbers	Numbers	Numbers	Numbers	Fractions	Fractions
	Addition and subtraction	Number and place value	Rounding numbers	Written addition and subtraction	multiplication and division	multiplication and division	Fractions, ratio and	Fractions
	Finding pairs with a total of 100	Read, write 4-digit numbers	Place 4-digit numbers on	Add two 3-digit numbers using		Double 3-digit numbers and	1 ' '	
		and know what each digit	landmarked lines; 0–10 000	column addition; subtract a 3-	6 and 9 times-table and	halve even 3-digit numbers;		
		represents;	and 1000–2000; round 4-digit	digit number from a 3-digit	identify patterns; multiply	revise unit fractions	fraction to its simplest	
			numbers to the nearest 10, 100 and 1000; subtract 3-digit	number using an expanded column method	multiples of 10 by single- digit numbers; multiply 2-		form; count in fractions (each fraction in its	
Term 1			numbers using the expanded	column method	digit numbers by single-		simplest form)	
Ter			written version and the		digit numbers (the grid		Simpleseronny	Use mental multiplication and
			counting up mental strategy		method); find fractions of			division strategies; find non-unit
					amounts			fractions of 2-digit and 3-digit
								numbers; find equivalent
								fractions and use them to simplify fractions (halves, thirds,
								quarters), learn the 7× table.
	Statistics	Decimals and percentages	Decimals and percentages	Measurement	Measurement	Measurement	Numbers	. "
	Handaling data	Decimals	Decimals	Length	Mass and capacity	Money	Addition and subtraction	
						I	Montally add and	Ī
	Draw and interpret bar charts			Measure in metres, centimetres	Convert multiples of		Mentally add and	
	Draw and interpret bar charts and pictograms;			and millimetres; convert lengths	100 g into kilograms;		subtract to/from 4-digit	
	· ·			and millimetres; convert lengths between units; record using	100 g into kilograms; convert multiples of		subtract to/from 4-digit and 3-digit numbers	
	· ·			and millimetres; convert lengths	100 g into kilograms;		subtract to/from 4-digit	

YEAR 4	WEEK 1	Compare numbers with up to 2 decimal places, identify the valueof the digits as ones, tenths and hundredths, and round decimal numbers to the nearest whole.  WEEK 2	Recognise that tenths and hundredths arise when dividing by 10 and 100; multiply decimal numbers by10 and 100, Count up and down in tenths and hundredths.  WEEK 3	WEEK 4	100 ml; estimate capacities;  WEEK 5	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;	of 10, 100 and 1000; count on in multiples of 25 and 50; add and subtract multiples of 10 and 100 to/from 4-digit numbers	WEEK 8
YEAR 4						WEEK 6		
	Numbers	Numbers	Numbers	Geometry	Geometry	Geometry	Measurement	Measurement
	Written multiplication and	Written multiplication and	Multiplication and division	Angles and lines	Lines and Symmetry	2D and 3D shapes Sort 2D shapes according to	Perimeter  Measure and calculate	Area Find the area of rectilinear
Term 2	Use the grid method to multiply 3-digit by single-digit numbers and introduce the vertical algorithm; begin to estimate products; divide numbers (up to 2 digits) by single-digit numbers with no remainder, then with a remainder  Number and place value  Negative numbers  Read, write and compare 5-digit numbers; read, use and compare negative numbers in the context of temperature	using place value and mental strategies; identify factor	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  Geometry  Coordinates  Use coordinates to draw polygons; find the coordinates of shapes after translation; Describe movements between	Statistics  Handaling data  Draw line graphs and understand that intermediate points have meaning	parallel lines, recognise and draw line symmetry in shapes; ; draw the other half of symmetrical shapes  Numbers Percentages	their properties; draw	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-	shapes.
			positions as translations ofa		amounts.	calculating intervals of	digit and 4-digit minute 3-	
			unit left/right and up/down			time;	digit subtractions using	
		YEAR 5	LONG TERM	PLAN with C	URRICULUN	/ STANDAR	DS	
ATTAR 5	WIDDIX 4							W/DDW 0
YEAR 5	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR5,		GR5/2	GR5/3		GR5/4		GR5/5
Term 1	Place Value of 6-digit numbers, digit numbers, Add and Subt multiplies of 10 & c	Compare, order & rounding 5- ract 4-digit numbers with	Geometry(1)  Measure & Draw angles in degrees of acute, obtuse and reflex. Angle in a line and around a point.	Number Ski Multiply 4 digit*2 digit and Divide 2, 3, 4, 5, 9 a	e 4 digit/2 digit, Dividing by	Geometry (2)  Draw Circles, Identify radius and circumference, Relate angles to turns	Comparing & finding equi	nber Skills(3) valent fractions, Proper,Improper ctions and conversions
	GR5/6		GR5/7		GF	I R5/8		GR5
	Geometry(3)		Number Skills(4)			netry(4)	WEEK	15 & WEEK 16
Term 1	12-hour clock times and 24- hour clock times,Calculate time past & time intervals	•	e, Rounding and Ordering decin	nals, Addition and Subtraction of ultiplies of 10.	_	pacity, Identifying 2D &3D eter,Volume and Capacity.	F	REVISION

YEAR 5	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR5/9	9	Gr5/10	Gr5/11	Gr	5/12	GR5/13	GR5/14
	Number Sk	xills(5)	Geometry(5)	Number Skills(6)	Number S	kills(6)cont.	Number Skills(7)	Number Skills(7)cont.
Term 2	Prime numbers,multiplies and numbe	•	Properties of Triangles and polygons, metric and Imperial units	Percentages.Converting to decimals,fraction.	_	ractions,multiplying proper bers, comparing fractions.	Ratio and Proportions(not in text book), Dividing the ratios.	Probability
		GR5/15		GR5/16	j	GR5/17		GR5
		Geometry(6)		Number Ski	lls(8)	Number Skills(9)	WEEK	31 & WEEK 32
Term 2	Drawing and interpret	ing Graphs, Scaling, Translat	ions and Reflections	Negative numbers, Roman Nun operation		Finding change, add and subtract money	ſ	REVISION
		YEAR 6	LONG TERM	I PLAN with C	URRICULUN	/ STANDAR	DS	
YEAR 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
-	Fractions, decimals &	Percentages (10)		ora (10 <u>)</u>	<u>Construc</u>	ctions(10)	Handling Data(5)	Probability (5)
_	Learning Ob	jective	Learning	g Objective	Learning	Objective	Learning Objective	Learning objective
Term 1	Consolidate and extend mental include decimals,fractions and problen	percentages, solve word	· ·	resent unknown numbers and of 'term', expression and equation.	triangles(ASA,SAS). Calc straight line, around a p	ding reflex angle, construct culate missing angles on a oint, in a traingle and in a ilateral.	Collecting data and Recording data	Use probability scale with words. Find the probability of equally likely outcomes. Revise the topics done.
	Sequences & Pa	atterns (10)	Area Per	imeter (10)	Transform	nations(10)	Cordinates and	d linear graphs (10)
	Learning Ob	jective	Learning	g Objective	Learning	Objective	Learn	ing Objective
Term 1	Work out Area and perimeter of other compound shapes made	•	'	r ofsquares, rectangles and other e of squares and rectangles.	associated with rata reflections.Transforn	e language and notation tions, translations and n 2-D shapes by simple reflections and translations.	coordinate pairs, that s where y is given speci	es in all four quadrants, generate atisfy a simple lenear functions, fically in terms of x, recognise arallel to the x- axis and y-axis.
YEAR 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Statistics	s(10)	Measi	ures(10)	Tim	<u>e (5)</u>	M	oney(5)
-	Learning ob	· · · · · · · · · · · · · · · · · · ·		g Objective		g objective		ning objective
Term 2	To calculate mean, median, mo	de and range from sets of	Convert from one unit of i	measure to another & answer are readings from different scales		d digital clock, time duration.	Conversion of pounds to	pence and back, solving money rd problems
	Ratio Propor	tion (10)	Shar	pes(10)				
	Learning Ob		<u> </u>	g Objective	REV	ISION	PRE MOCK EXAMS	MOCK EXAMS
Term 2	Solve simple problemsusi		shapes using properties such	Quadrilaterals & polygons, Classify as parallel & perpendicular, Using 3-D shapes, identifying their nets	Revise YEAR	3,4,&5 portion		

	proportions,use percentages to		LONG TERM			4 6741040		
		YEAR /	LONG TERIV	I PLAN with C	URRICULUN	/I STANDAR	DS	ı
YEAR7	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)		Unit3.Equations /formulae	•	Unit4-Fractions(7)	Contd Unit4-Fractions		Contd Unit5-Angles and shap
	Factors, primes and	Squares and square	Writing algebraic	Factorising expressions/	Working with Fractions/	Working with mixed	Angles and parallel	Quadrilaterals/Polygons.
1	-	_	expressions/Using formulae	Solving one step/two step	Addition and subtraction	`	lines/Triangles/Quadril	Geometrical proofs (5.3 &
erm	_		Writing formulae/Brackets	equations (3.6,7.1 & 7.2)	of	operations)/Angles and	aterals (5.1 - 5.3)	5.4)
-		_	and powers (3.2 - 3.5)		fractions/Multiplication	Parallel lines (4.5 & 5.1)		
		(2.4,2.5 & 3.1)			and division of fraction			
					(4.1 - 4.3)			
	GR7/9	GR 7/10	GR7/11	GR7/12	GR7/13	GR7/14		GR7/15
	Analysing and Displaying d	Analysing and Displaying	t10 Sequences and Graphs	Contd Sequences and Graphs.	Unit9. Perimeter,area a	Jnit9. Perimeter,area and	]	Revision
	Averages and range,	More graphs/Pie -charts (1.4	Sequences/nth term/pattern	Coordinates and line	Triangles/parallelograms	Properties of 3D	Reinforce all the cor	ncepts taught and discuss the
Term 1	Grouped data (1.2 & 1.3)	& 1.5) + assessment	sequences (10.1, 10.2 &	segments/straight line graphs	/trapezium/Area and	solids/Surface	W	orksheets.
Tel			10.3)	(10.4 & 10.5)	perimeter of compound	area/Volume (cube and		
					shapes (9.1 & 9.2)	cuboid) - (9.3,9.4 & 9.5)		
YEAR 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)	Contd.Decimals(5)	nit8 Multiplicative Reasoning(	Unit8-Contd Ratios.	Unit 3.2D shapes and 3D	d Unit 3.2D shapes and	Contd Unit 3.2D shapes and
2	Ordering decimals/Rounding	Multiplication and	Conversion of	Writing ratios/sharing a given	Direct and inverse	Surface area of	Circumference and	Circumference and Area of
Ë	decimals/Addition and	Division of decimals +	fractions,decimals and	ratio/Proportion (8.2 & 8.3)	proportion/Using the	prisms/Volume of prisms	Area of circles/	circles/ semicircles/ quadrants
Term	subtraction of decimals (6.1 -	assessment (6.4 & 6.5)	percentages.+assessment		unitary method (8.4 &	(triangular prism only)	semicircles/ quadrants	(3.5)
	6.3)		(6.6)		8.5)	(3.2 & 3.4)	(3.4)	
	GR7/24	GR7/25	GR7/26	GR7/27	GR7/28	GR7/29		GR7/30
-	Delta2 Unit8 Probability(10)			`	` `	Contd Transformations(5	+	Revision
7	Comparing	Experimental	Construction of	Describe and carry out	Describe and carry out	Enlargements a shape		ncepts taught and discuss the
Term	probabilities/Mutually	probability/Probability	_	Translations/Describe and carry	_	using negative scale		orksheets.
<u>₩</u>	exclusive events/ estimating	_	erpendicular bisector/Angle	out Reflections (5.1)	shape and desribe an	factor and fractional scale		
	probability (8.1 - 8.3)	& 8.5)	bisector		enlargement((5.2 & 5.3)	factor (5.3 & 5.4)		
		YEAR 8	LONG TERM	I PLAN with C	<b>URRICULUN</b>	/I STANDAR	DS	
YEAR 8	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR 8/ 1	GR 8/ 2	GR 8 /3	GR 8 /4	GR 8/ 5	GR 8/ 6		GR 8/7&8
	IIT 1: Factors and powers (Delta	-	· · · · · · · · · · · · · · · · · · ·	NIT 2 :Working with powers(Delta	-	UNIT 2 :Working with		entages and Decimals(Delta 2)
	Prime factor decomposition of			Simplifying algebraicexpressions.	To use the index laws in	To substitute integers into		imal into a fraction. To calculate
n 1	a number.To find HCFand LCM	for positive powers.To use	powers of 10. To calculate	involving powers and	algebraic calculations and	expressions. To construct		out an original quantity before
Term	using venn diagrams. Solving word problem in HCFand LCM.	laws of indices from	with powers. Round to a	brackets+Assessment	expressions. Factorise an algebraic expressions.	and solve	percentage II	ncrease and decrease.
	word problem in norand LCM.	multiplying and dividing.	number of significant figures.		aigeni aic expressions.	equations+Assessment		
	GR 8/ 9	GR 8/ 10	GR 8	3/11&12	GR 8/	 /13&14		GR 8
	ctions,Percentages and Decima	UNIT 4:RealLife	UNIT 5:Transfo	ormations(Delta 2)	Unit 3:3D S	olids(Delta 2)	Week 1	L5 and Week 16

Term 1	To calculate percentage change. To calculate the effect of repeated percentage changes+ Assessment	Draw and interpret Distance- time graphs, Interpret real life graphs.	enlarge a shape ,To describe a	lection, Translation & Rotation.To n enlargement.To enlarge a shape fractional scale factor.	prisms,Circumfer	prisms,Volume of ence and Area of a thagoras Theorem.	ı	REVISION
YEAR 8	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR 8/1	7&18	GR 8	3/19&20	GR 8/	21&22	GI	R 8/23&24
	UNIT 8:Probab			g and Measures(Delta 2)	-	on and Loci (Delta 2)		Graphs(Delta 2)
	Comparing probabilities.M	• • • • • • • • • • • • • • • • • • • •		es and ratio.Congruent and similar	Accurate drawings.Const	ruct triangles.Constructing	Plotting linear graphs,T	he gradient,y=mx+c,Parallel and
Term 2	Estimating probability, expe	·	•	ty to solve problems in 2D Assessment	' '	and angle bisectors. Draw o Solve problems.		ar lines+Assessment
	GR 8/25	GR 8/26	GR 8/27	GR 8/288	29	GR 8/30		GR 8
	INIT 1:Powers and Roots(Delta 3	,	qualities, equations and formul	Unit 4:Collecting and Anal		:Arcs and Sectors of circles([	Week 3	31 and Week 32
	To write the numbers using	To multiply pairs of	To construct and solve	To draw stem and leaf diagrams		Work out the length of an	wcen s	- and from the
2 ر	Standard form. Using Index	brackets.Square a linear	complex equations.Changing	polygons. To estimate the mean	• • •	arc.Work out the area of a		
ern	Laws with zero and negative	expression.Using quadratic	the subject of a formulae.	frequency t		sector.Solve problem		
-	powers.	identities+Assessment				involving arc and sector.	ļ ·	REVISION
	powers.	identifies // issessment				involving are and sector.		
YEAR 9	powers (indices).Zero,negative and fractional indices.	standard form. To calculate with numbers in standard form. Understand the difference between rational and irrational	To find the gradient and y intercept from a linear equation. To rearrange an equation into the form	To draw and interpret distance- time graphs. To calculate average speed from a distance - time graph. To understand velocity - time graphs. To find acceleration	GR 9/5 aphs Contd (5) + Assessmen To find the coordinates of the midpoint of a line segment.To find the gradient and length of a line segment.To find the equations of lines parallel or perpendicular to the given line.To solve simultaneous equations		WEEK 7  GR 9/7  Algebra Contd (5)+ Assessment 3  To solve equations involving brackets and numerical fractions.To substitute numbers into formulae.To rearrange formulae.	WEEK 8  GR 9 /8  Algebra Contd (6)  To solve sums on linear sequences. To expand the product of two brackets. To use the difference of two squares.
	GR 9 /9  Algebra Contd (6)  To factorise quadratics of the form ax²+bx+cTo solve simple	-	GR 9/11  Transformations and Constructions (6)  Enlarge shapes by fractional and negative scale factors	GR 9/12 Transformations Contd (6) To draw scales on maps.To solve problems involving	graphically.  GR 9/13	GR 9/14 gles and Trigonometry Contd To solve problems involving Pythagoras theorem.To use		/15 & GR9/16 Revision s taught and discuss the revision w

				to solve problems.	sum of the interior angles and exterior angles of a polygon to solve problems.	angles of elevation and depression.		
YEAR 9	WEEK 1	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, ratio and percentages (6)	actions, ratio and percentages Contd	actions,ratio and percentages Contd (	ns,ratio and percentages Contd (5)+ Assess	preting and representing data Cor	preting and representing data Con	nd representing data Contd (5)+	iterpreting and representing data Contd (
ra 2	To add subtract multiply divide fractions and mixed	To solve problems involving ratio. To convert between currencies and measures. To	To work out percentage increase and decrease.To	Calculate using fractions, decimals and percentages. To convert a recurring decimal to a fraction		To plot and interpret time series graphs.To use	Draw a line of best fit on a scatter graph. Use the line of best fit to predict values. Moving Averages	Estimate the mean and range from a grouped frequeency table.To find the modal class and
	GR 9 /25	GR 9/26	GR 9/27	GR 9/28	GR 9/29	GR 9/30	GR 9/	/31 & GR 9/32
		Area and volume Contd (5) + Assess	Area and volume Contd (6))	Area and volume Contd (6))	Area and volume Contd (6)	Probability (6)		Revision
	To find the perimeter and area		To calculate the area and	To calculate volume and surface	To calculate volume and	To solve problems on		s taught and discuss the revision w
	of compound shapes.To		perimeter of semis circles and	area of a cylinder and a sphere.	surface area of a pyramids	combined events.To find	·	
	convert between metric units	volumes and surface areas	quarter circles.To calculate	To solve problems involving	and cones.To solve	probabilities of mutually		
7	.To calculate the maximum and	of prisms.To calculate the	arc lengths, angles and areas	surface area and volume.	problems involving	exclusive events.		
Term	minimum possible values of a	area and circumference of a	of sectors of circles.		pyramids and cones.	Experimental		
Ĕ	measurement.	circle.				Probability.Independent		
						events.To draw and use probability tree diagrams.		
		YEAR 10	LONG TERM	Л PLAN with (	CURRICULU	M STANDAF	RDS	
YEAR 10	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR 10 /1	GR 10 /2	GR 10 /3	GR 10 /4	GR 10 /5	GR 10 /6	GR 10 /7	GR 10 /8
	Equations and inequalities(6)	<u> </u>		quations and inequalities (Continue)(6	Similarity and	Similarity and	milarity and congruence(	More Trigonometry(6)
	Solve quadratic equations by			Solving linear inequalities and	To show that two	To use the ratio of		Use trigonometric ratios to solve
	factorisation, use the quadratic		California disable alternitation	" " " " " " " " " " " " " " " " " " "	triangles are congruent.To	corressponding sides to work	scale factors for length,	problems. Know exact values of the
<b>—</b>	formula and by completing the square. (9.1 - 9.3)		Solve quadratic simultanious. (9.4 - 9.6,15.2)	inqualities. (9.7, 15.2)	know the conditions of	out scale factors.To find missing lengths on similar		sine, cosine and tangent of some angles. Upper and lower bounds in
Term	3.37		(5.4 5.6,15.2)		congruence.To prove	shapes.	Infonellis	trigonometry.Find the area of a
Te					shapes are congruent.To			triangle and a segment.
		Recognise and draw quadratic			solve problems involving			
		functions.			congruence.			
		Find approximate solutions to quadratic equations						
		graphically.(15.3-15.4)						
	GR 10 /9	GR 10 /10	GR 10 /11	GR 10 /12	GR 10 /13	GR 10 /14	(	GR 10 /15
	More Trigonometry (Continued) (6)	·	Circle theorems (6)	Circle theorems (Continue) (6)	Circle theorems	Revision of Year 9 topics(6)		evision(12)
			Understand about tangents at a	Understand, prove and use facts about	Solve angle problems using	Revision topics from Year 9		cepts taught and discuss the
	a segment of a circle. Use the	1-5 p. 00.c	pome and mom a pomer rote	cyclic quadrilaterals and alternate	circle theorems.	[Numbers,		r first summative exam
1	sine rule to solve 2D problems.	1301VC Dearings problems	and use racts about angles	segment theorem. Give reasons for angle sizes using	Give reasons for angle sizes	Algebra,interpreting and		
Term		Tusing trigonometry	Subtended at the tentre and the	mathematical language. Find the	using mathematical	repesenting		
Ĕ				equation of the tangent to a circle at a	language.	data,fractions,ratio and		

			at the circumference of a circle.	given point.		polygons, Transformations and constructions]		
YEAR 10	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR 10 /16	GR 10 /17	GR 10 /18	GR 10 /19	GR 10 /20	GR 10 /21	GR 10 /22	GR 10 /23
	Vectors and geometric proof (6)	Vectors and geometric proof (6)		Further statistics (6)	Multiplicative reasoning(6)	Itiplicative reasoning.(Continue		Probability(6) (contd)
Term 2	Understand and use vector notation. Calculate the resultant of two vectors, to solve vector problems, position vectors. Prove lines are parallel. Prove points are collinear.		Understand simple random sample and stratifi ed sample. Draw and interpret cumulative frequency tables.	frequency diagram. Draw and interpret box plots. (14.1 - 14.3	repeated percentage changes. growth and decay, rates.Convert metric speed measures. Compound measures, ratio,direct and	Solve problems involving	Draw and use frequency trees. Draw and use probability tree diagrams. use tree diagrams, two-way tables	Venn diagrams to calculate conditional probability. Use set notation
	GR 10 /24	GR 10 /25	GR 10 /26	GR 10 /27	GR 10 /28	GR 10 /29	(	GR 10 /30
	Area and volume(6)	Algebra (6)		Transformations and constructions (6)	Interpreting and representing	·		evision(12)
n 2	Calculate volume and surface area of pyramids and cones.	liike seudelikes.	Describe combinations of transformations, scale drawings, bearings. Construct triangles using a ruler and compasses, shortest distance from a point to a line.	Use loci to solve problems.	appropriate diagrams to display data. Recognise	distance–time graphs.	worksheets including rev	ncepts taught and discuss the ision topics of year 9 { Unit 1- Unit or final exam
YEAR 11	WEEK 1	YEAR 11 WEEK 2	LONG TERN WEEK 3	M PLAN with (	WEEK 5	M STANDAR WEEK 6	RDS WEEK 7	WEEK 8
	GR11/1	GR11/2	GR11/3	GR11/4	GR11/5	GR11/6		GR11/7
	Unit 13More Trigonometry(7)	More Trigonometry(contd) (3	More Trigonometry(contd)(5)	Unit19Proportion and Graphs(6)	More Trigonometry(6)	Unit6Graphs(5)	Proporti	on and Graphs(8)
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	_	a tangent at a point, Estimate the linear graph. Assessment 3
	GR11/8	GR11/9	GR11/10	GR11/11	GR11/12	GR11/13		GR11/14
	Unit 15 Equations and	Unit 14 Further Statistics(5)	Further Statistics(5)	·	· · · · · · · · · · · · · · · · · · ·	Unit 7Area and Volume (5)		Revision
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	Reinforcing all the conc	epts done and discussion of past papers.
YEAR 11	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	GR11/15	GR11/16	GR11/18	GR11/19	GR11/20	GR11/21	GR11/21	GR11/22
Term 2	Unit16Circle Theorems(5)  To prove and apply all the circle theorems	18Vectors and Geometric Pro 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	Unit12Similarity and Congruence(5 Similar, Congruent triangles,	imilarity and Congruence(5 similarity in 3D shapes. Assessment 2	terpreting and representing Time series, scatter diagrams, line of best fit, averages and range	Unit8Transformation Reflection, Translation, enlargement and Rotation, Bearings and scale drawings	Transformation and Constructions Constructions and loci

	GR1:	1/						
	Revisi							
7	Reinforcing all the concepts to	-						
Term 2	papers and mo	ock papers.						
Te								
		YEAR 12	LONG TERM	/I PLAN with (	CURRICULUI	VI STANDAF	RDS	
YEAR 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	Equations and inequalities	Graphs and	Graphs and	Straight Line Graphs,	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
	Y12S1 / 1 (3)	Y12S1 / 2 (3)	Y12S1 / 2 (3)	Y12S1 / 2 (3)	Y12S1 / 3 (3)	Y12S1 / 3 (3)	Y12S1 / 4 (3)	Y12S1 / 4 (3)
	Data collection	Measures of location and	Measures of location and	Measures of location and spread	Representation of data	Representation of data	Correlation	Correlation
Term 1	Population and samples, Sampling, Non random sampling, Types of data, Large data set.	Measure of central tendency: Mean Median Mode and Quartiles.	Percentile, Measures of spread, Variance and standard deviation.	Variance and standard deviation and Coding.	Outliers, Box plots and Cumulative frequency.	Histogram with unequal intervals and Comparing data.	Scatter Diagram and Correlation, Linear regression	Interpretation of regression line and gradient.
YEAR 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	Binomial Expansion,	Trigonometric Ratios	Trigonometric Identities	Trigonometric Identities	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		
	Y12S1 / 5 (3)	Y12S1 / 5 (3)	Y12S1 / 5 (3)	Y12S1 / 6 (3)	Y12S1 / 6 (3)	Y12S1 / 6 (3)		
	Probability	Probability	Probability	Statistical Distributions	Statistical Distributions	Statistical Distributions	Revision	Revision
Term 1	Calculating Probabilities and Venn Diagrams.	Mutually exclusive and Independent events.	Tree diagrams and Conditional Probability	Probability Distributions	Binomial Distribution	Cumulative Probabilities		
YEAR 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	Position vectors, Representing as column	Gradient of curve, Finding the	Differentiating quadratics,	Increasing and decreasing functions, Second order	Sketching gradient	Integrating xn, Indefinite	Finding functions using

	as column vectorsiviagnitude and direction	vectors, Magnitude and direction	derivative, Differentiating x <sup>n</sup>	terms, Tangents and normals	points, Maximum and minimum points	differentiation	integrals	integration, Definite integrals
	Y12S1 / 7 (3)	Y12S1 / 7 (3)	Y12S1 / 7 (3)	Y12S2 / 1 (3)	Y12S2 / 1 (3)	Y12S2 / 2 (3)	Y12S2 / 2 (3)	Y12S2 / 2 (3)
	Hypothesis Testing	Hypothesis Testing	Hypothesis Testing	Regression, Correlation and	Regression, Correlation	Conditional Probability	Conditional Probability	Conditional Probability
Term 2	Test Statistic, Null and	One tailed test, Comparing	Two tailed test, Comparing	Exponential Models and Measuring correlation.	Hypothesis Testing for zero correlation.	,	Conditional Probabilities in Ven diagrams.	Probability Formulae
YEAR 12	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	Exponentials and Logarithms	Exponentials and Logarithms	Exponentials and	Exponentials and	Revision	Revision
Term 2	Areas under the curve, Areas under the x axis	Area between curve and line, Exponential Functions	Graph of y = e <sup>x</sup> , Exponential modelling	Logarithms, Laws of logarithms	Solving equations using logarithms, Working with natural logarithms	Logarithms and non linear data, Review Exercise 3		
	Y12S2 / 2 (3)	Y12S2 / 3 (3)	Y12S2 / 3 (3)	Y12S2 / 3 (3)	Y12S2 / 3 (3)	Y12S2 / 3 (3)		
	Conditional Probability	Normal Distribution	Normal Distribution	Normal Distribution	Normal Distribution	Normal Distribution	Revision	Revision
Term 2	Conditional Proabilities in Tree	Understanding normal distribution and its characteristics and Finding	Inverse normal distribution function and Standard Normal	Finding $\mu$ and $\sigma$		Hypothesis Testing with the		
	Diagrams.	probabilities for normal distribbutions.	Distribution.	01	Distribution.	Normal Distribution.		
	-	probabilities for normal distribbutions.  YEAR 13	LONG TERN	Л PLAN with C	CURRICULUI	M STANDAR		W/EFK 6
YEAR 12	WEEK 1	probabilities for normal distribbutions.  YEAR 13  WEEK 2	LONG TERN WEEK 3	A PLAN with C	CURRICULUI WEEK 5	M STANDAR WEEK 6	WEEK 7	WEEK 8
	WEEK 1 Y13 / 1 (3)	probabilities for normal distribbutions.  YEAR 13  WEEK 2  Y13 / 1 (3)	Distribution.  LONG TERN  WEEK 3  Y13 / 2 (3)	<b>VEEK 4</b> Y13 / 2 (3)	WEEK 5 Y13 / 2 (2) & 3(1)	WEEK 6 Y13 / 3 (3)	WEEK 7 Y13 / 3 (3)	Y13 / 3 (1) & 4 (2)
	WEEK 1	probabilities for normal distribbutions.  YEAR 13  WEEK 2	LONG TERN WEEK 3	A PLAN with C	CURRICULUI WEEK 5	M STANDAR WEEK 6	WEEK 7	
	WEEK 1 Y13 / 1 (3)	probabilities for normal distribbutions.  YEAR 13  WEEK 2  Y13 / 1 (3)	Distribution.  LONG TERN  WEEK 3  Y13 / 2 (3)	<b>VEEK 4</b> Y13 / 2 (3)	WEEK 5 Y13 / 2 (2) & 3(1)	WEEK 6  Y13 / 3 (3)  Sequences and series	WEEK 7 Y13 / 3 (3)	Y13 / 3 (1) & 4 (2)
YEAR 12	WEEK 1  Y13 / 1 (3)  Algebraic Methods  Proof by contradiction,	Partial Fractions, Repeated Factors and Algebraic	Distribution.  LONG TERN  WEEK 3  Y13 / 2 (3)  Functions and graphs  The modulus fuction, Functions and mappings,	Y13 / 2 (3) Functions and graphs  Composite functions and inverse	WEEK 5  Y13 / 2 (2) & 3(1)  Functions and graphs,  Combining transformations, solving modulus problems, & Arithmetic Sequence and	WEEK 6  Y13 / 3 (3)  Sequences and series  Geometric sequence and	WEEK 7  Y13 / 3 (3)  Sequences and series  Sum to infinity, Sigma  Notation and recurrence	Y13 / 3 (1) & 4 (2) Sequences and series, Binomial Modelling with series &
YEAR 12	WEEK 1  Y13 / 1 (3)  Algebraic Methods  Proof by contradiction, algebraic fractions	Partial Fractions, Repeated Factors and Algebraic division	WEEK 3  Y13 / 2 (3)  Functions and graphs  The modulus fuction, Functions and mappings, Sketching modulus functions	A PLAN with C  WEEK 4  Y13 / 2 (3)  Functions and graphs  Composite functions and inverse functions	WEEK 5  Y13 / 2 (2) & 3(1)  Functions and graphs,  Combining transformations, solving modulus problems, & Arithmetic Sequence and series	WEEK 6  Y13 / 3 (3)  Sequences and series  Geometric sequence and series,	WEEK 7  Y13 / 3 (3)  Sequences and series  Sum to infinity, Sigma  Notation and recurrence relation.	Y13 / 3 (1) & 4 (2) Sequences and series, Binomia  Modelling with series & Expanding (1+x) <sup>n</sup> and (a+bx) <sup>n</sup> .
YEAR 12	WEEK 1  Y13 / 1 (3)  Algebraic Methods  Proof by contradiction, algebraic fractions  Y13M1 / 8 (3)	probabilities for normal distribbutions.  YEAR 13  WEEK 2  Y13 / 1 (3)  Algebraic Methods  Partial Fractions, Repeated Factors and Algrbraic division  Y13M1 / 9 (3)	WEEK 3  Y13 / 2 (3)  Functions and graphs  The modulus fuction, Functions and mappings, Sketching modulus functions	WEEK 4  Y13 / 2 (3)  Functions and graphs  Composite functions and inverse functions  Y13M1 / 10 (3)	WEEK 5  Y13 / 2 (2) & 3(1)  Functions and graphs,  Combining transformations, solving modulus problems, & Arithmetic Sequence and series  Y13M / 10 (3)	WEEK 6  Y13 / 3 (3)  Sequences and series  Geometric sequence and series,  Y13M1 / 10 (3)	WEEK 7  Y13 / 3 (3)  Sequences and series  Sum to infinity, Sigma  Notation and recurrence relation.  Y13M1 / 11 (3)	Y13 / 3 (1) & 4 (2)  Sequences and series, Binomia  Modelling with series &  Expanding (1+x) <sup>n</sup> and (a+bx) <sup>n</sup> .  Y13M1 / 11 (3)
YEAR 12	WEEK 1  Y13 / 1 (3)  Algebraic Methods  Proof by contradiction, algebraic fractions  Y13M1 / 8 (3)  Modelling in Mechanics  Constructing a model and modelling assumptions, Quantities and units and	Partial Fractions, Repeated Factors and Algrbraic division  Y13M1 / 9 (3)  Constant Acceleration  Displacement-time graph,	WEEK 3  Y13 / 2 (3)  Functions and graphs  The modulus fuction, Functions and mappings, Sketching modulus functions  Y13M1 / 9 (3)  Constant Acceleration  Formula 1 and 2, Vertical	Y13M1 / 10 (3) Forces and Motion  Force diagrams, Forces and	WEEK 5  Y13 / 2 (2) & 3(1)  Functions and graphs,  Combining transformations, solving modulus problems, & Arithmetic Sequence and series  Y13M / 10 (3)  Forces and Motion  Motion in 2 dimensions,	WEEK 6  Y13 / 3 (3) Sequences and series  Geometric sequence and series,  Y13M1 / 10 (3) Forces and Motion  Connected Particles and	WEEK 7  Y13 / 3 (3)  Sequences and series  Sum to infinity, Sigma Notation and recurrence relation.  Y13M1 / 11 (3)  Variable Acceleration  Functions of time using differentiation, Maxima	Y13 / 3 (1) & 4 (2) Sequences and series, Binomia  Modelling with series & Expanding (1+x) <sup>n</sup> and (a+bx) <sup>n</sup> .  Y13M1 / 11 (3) Variable Acceleration  Using Integration and constant
YEAR 12  Lerm 1	WEEK 1  Y13 / 1 (3)  Algebraic Methods  Proof by contradiction, algebraic fractions  Y13M1 / 8 (3)  Modelling in Mechanics  Constructing a model and modelling assumptions, Quantities and units and working with vectors.	Partial Fractions, Repeated Factors and Algebraic division  Y13M1 / 9 (3)  Constant Acceleration  Displacement-time graph, Velocity-time graph.	WEEK 3  Y13 / 2 (3)  Functions and graphs  The modulus fuction, Functions and mappings, Sketching modulus functions  Y13M1 / 9 (3)  Constant Acceleration  Formula 1 and 2, Vertical motion under gravity.	Y13M1 / 10 (3) Forces and Motion  Force diagrams, Forces and vectors, Force and Acceleration.	WEEK 5  Y13 / 2 (2) & 3(1)  Functions and graphs,  Combining transformations, solving modulus problems, & Arithmetic Sequence and series  Y13M / 10 (3)  Forces and Motion  Motion in 2 dimensions, Connected Particles.	WEEK 6  Y13 / 3 (3) Sequences and series  Geometric sequence and series,  Y13M1 / 10 (3) Forces and Motion  Connected Particles and Pulleys.	WEEK 7  Y13 / 3 (3)  Sequences and series  Sum to infinity, Sigma Notation and recurrence relation.  Y13M1 / 11 (3)  Variable Acceleration  Functions of time using differentiation, Maxima and Minima problems.	Y13 / 3 (1) & 4 (2)  Sequences and series, Binomia  Modelling with series &  Expanding (1+x) <sup>n</sup> and (a+bx) <sup>n</sup> .  Y13M1 / 11 (3)  Variable Acceleration  Using Integration and constant acceleration formula.

Term 1	Using Partial Fractions to simplify the Binomial Expansion & Radian Measure, Arc length.	Area of sector and segment, Solving trigonometric equations.	Small Angle Approximation & Graphs of Sec x, Cosec x, Cot x, Using Sec x, Cosec x, Cot x in trigonometric identities.	Inverse trigonometric functions & Using Angle Addition Formula and Double angle formula.	Solving trigonometric equations, Simplifying a cos x ± b sin x, Proving trigonometric identities	Modelling with trigonometric functions & Parametric Equations, Using trigonometric identities.	Curve Sketching, Points of intersection and modelling with parametric equations.	Locating roots, Iteration, The Newton Raphson method, Applications to modelling.
	Y13M2 / 4 (3)	Y13M2 / 4 (3)	Y13M2 / 4 (2) & 5 (1)	Y13M2 / 5 (3)	Y13M2 / 5 (2) & 6 (1)	Y13M2 / 6 (3)	Y13M2 / 6 (3)	Y13M2 / 6 (1) & Test (2)
Term 1	Moments	Moments	Moments, Forces and Friction	Forces and Friction	Forces and Friction,	Projectiles	Projectiles	Projectiles & Module Test
	Moments, Resultant Moments.	Equilibrium and Centre of mass.	Tilting & Resolving Forces	Inclined Planes and Friction	Friction & Horizontal Projection	Horizontal and Vertical Components, Projection at any angle.	Projection at any angle and Projectile Motion Formulae.	Projectile Motion Formulae & Module Test.
YEAR 12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2	Y13 / 9 (3)	Y13 / 9 (3)	Y13 / 11 (3)	Y13 / 11 (3)	Y13 / 11 (3)	Y13 / 12 (3)	Y13 / 12 (3)	
	Differentiation	Differentiation	Integration	Integration	Integration	Vectors	Vectors	Practise
	Differentiating exponentials and logarithms and trigonometric funtions. Chain rule, Product rule, Quotient rule	Parametric Differentiation, Implicit Differentiation using second derivatives, Rates of change.	Integrating standard functions, f(ax+b), Using trigonometric identities, reverse chain rule	Integration by substitution, Integration by parts, Partial fractions,	Finding areas, trapezium rule, solving differential equations, modelling with differential equations.	3D coordinates, vectors in 3D, Solving geometric problems.	Application to Mechanics.	Exam style Practice Paper 1 & 2
Term 2	Y13M2 / 7 (3)	Y13M2 / 7 (3)	Y13M2 / 7 (3)	Y13M2 / 7 (3)	Y13M2 / 8 (3)	Y13M2 / 8 (3)	Y13M2 / 8 (3)	Y13M2 / 8 (1) + Test (2)
	Applications of Forces	Applications of Forces	Applications of Forces	Applications of Forces	Further Kinematics	Further Kinematics	Further Kinematics	Further Kinematics & Module
	Static Particles, Modelling with statics.	Friction and Static Particles, Static Rigid Bodies.	Static Rigid Bodies, Dynamics and inclined Planes.	Dynamics and inclined Planes and Connected Particles.	Vectors in Kinematics and Vector Methods and projectiles.	Vector Methods and projectiles and Variable Acceleration in one dimension.	Variable Acceleration in one dimension and Differentiating Vectors.	Integrating Vectors & Module Test.
YEAR 12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	D. M.	D. M.						
Term 2	Revision	Revision						
	Revision	Revision						
Term 2								