## MATHS LONG TERM PLAN 2020-2021

## YEAR 1 LONG TERM PLAN with CURRICULUM STANDARDS

						LOM CIANDA		1
YEAR 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Number and Place value/	Number and Place value	Number and Place value	Addition and Subtraction	Addition and Subtraction	Number and Place value	Addition and Subtraction	Measure/ Position
Term 1- Blo	10/Counting and	Identify one more and one less/ Comparing groups and comparing numbers of objects.	Comparing numbers/ Ordering objects and numbers.		Finding the whole – adding together/Finding a part.	Finding and making number bonds/ Finding addition facts/ Solving word problems – addition.	Subtraction – counting back/ finding the difference/ Solving word problems – subtraction.	Naming 2D shapes /Making patterns with shapes.
Ŋ	Number and Place value	Number and Place value/ Measure	Number and Place value/ Addition and Subtraction	Number and Place value/ Addition and Subtraction	Addition and Subtraction	Addition and Subtraction	Rev	ision
<del>-</del>	Recognise and name common 3-D shapes.	Counting and writing numbers to 20 Tens and ones.	Counting one more/ less Comparing numbers	Adding ones	Solving word problems – addition and subtraction	Subtracting tens and ones/Solving word and picture problems – subtraction.	Reinforce all the con discuss the workshee summative exam	

YEAR 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2- Block 1	Number and Place value Counting to 50 Tens and ones.	Number and Place value Comparing numbers of objects/ numbers Ordering objects and numbers.	Number and Place value Counting in 2s Counting in 5s Counting in 10 s.	Counting in 10s, 5s and 2s Making equal	Measure/ Statistics Non-standard units of measure -length and weight Comparing weight .	Measure/ Statistics  Measuring capacity Solving word problems capacity/length/weight	Number – multiplication and Making doubles/half Solving word problems – multiplication.	Number – multiplication and Making equal groups /Sharing equally /Solving word problems – division.
Term 2- block 2	Number fractions Finding halves and quarters/halves and quarters- word problems	and direction/measure Describing turns/positions/Days of the week(Using before and after)/Using a calendar.	Number and Place value  Counting to 100 /Exploring number patterns/Partitioning numbers /Comparing numbers /Ordering numbers/Bonds to 100.		Measurement/Additionand Writing time/ Comparing time/Solving word problems – time.	Measurement Recognising coins/Recognising notes./Counting with coins/notes.	Reinforce all the c discuss the workshee	ion(12) oncepts taught and ets including revision ics .
YEAR 2	WEEK 1	YEAR 2 WEEK 2	LONG TERM WEEK 3	PLAN wit	h CURRICUI WEEK 5	WEEK 6	RDS WEEK 7	WEEK 8
Term 1- Block 1		d = signs. Count in	Number – Addition and Add and subtract nur objects, pictorial reprimentally, including: a 1s and two 2-digit nur	mbers using concrete resentations, and a 2-digit number and	Number – Addition Solve problems with subtraction: using co pictorial representation involving 1-digit and	ncrete objects and ons, including those	Measurement Recognise and use si and pence (p); comb a particular value and problems.	ine amounts to make
Term 1- Block 2	Number – Multiplication Calculate mathematic multiplication and dismultiplication tables them using the multiplication (÷) and equal	cal statements for vision within the 2,5 and 10 and write plication (×),	Number – Multiplication Solve problems involution, using mand division, using mand the repeated addition, meaning multiplication and distribution including problems in	lving multiplication naterials, arrays, ental methods, and vision facts,	_	ct simple pictograms, agrams and simple tables.	Revision(12) Reinforce all the condiscuss the workshee summative exam	

YEAR 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Measurement -	Geometry – Proper	ties of Shapes (12)		Number – Fractions	(18)	Geometry –	Revision (6)
	Choose and use	Identify and descri	be the properties of	Recognise, find, nam	e and write fractions	1/3, 1/4, 2/4 and 3/4 of a	Describe position,	Reinforce all the
<u> </u>	appropriate standard	2D/3D shapes, included	uding the number of	length, shape	, set of objects or quar	ntity. Counting in	direction and turns	concepts taught.
Block	units to estimate and	sides/ vertices/ fa	aces and lines of		halves and quarters	S.	in terms of right	
<u> </u>	measure length/	symmetry. Maki	ing patterns with				angles for quarter,	
4	height in any	2D/3D	shapes.				half and three-	
E	direction (m/cm).						quarter turns	
ē							(clockwise	
•							and anti-clockwise).	
8	Number – addition a	and subtraction (12)	Measuremer	nt - Time (12)	Measurement -	Weight, volume and	Revisi	on(12)
	Solve problems invol	ving all the four	Telling and writing ti	ime to the hour, the	Choose and use appro	opriate standard units to	Reinforce all the con	cepts taught and
block	operations, using con	crete objects,	half hour and to the o	quarter hour. Telling	estimate and measure	e mass (kg/g);	discuss the workshee	ts including revision
	pictorial representation	ons, arrays, mental	time to 5 minutes. F	inding and	temperature (°C); cap	pacity(litres/ml).	topics for final exam	1.
- 5	methods, number fac	ts, including	comparing durations	of time. Finding the	Compare and order n	nass, volume/capacity		
Ē	problems		start time and end tin	ne.	and record the results	s using $>$ , $<$ and $=$ .		
<b>⊢</b>	in contexts.							

YEAR 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Number and place va	lue (12)	Addition and Subtraction	n (12)	Multiplication and Div	rision (12)	Measurements Time (6)	Measurements Length
Term 1- Block 1	a 3-digit number; write and compare	ce value of each digit in expanded form; read, e 3-digit numbers; ading to the nearest 10	Adding and Subtract the bonds to 10, 20 o appropriate strategy	or 100. Choosing an		<del>-</del>	State the anlogue and digital time. Finding and comparing durations of time.	Choose and use appropriate standard units to estimate and measure length (cmm) and capacity (litres/ml).
	Fractions (12)		Geometry - Shapes (12)	Statistics (12)	Multiplication and Div	rision (12)	Revision(12)	l
7	Finding fractions	of shapes and amounts;	Identify and	Interpret and	Multiplying and di	viding by 4 and 8; division	Reinforce all the con	cepts taught and
×	identifying fractio	ns and their values and	describe the	construct simple	with remainders; n	nultiplying using grid	discuss the workshee	ets for first
Term 1- Block	comparing fractio	ns.	properties of 2D/3D shapes; recognising and relating angles and turns; finding the perimeter.	pictograms, tally charts, block graphs/ bar charts and simple tables.	method. Choosing solve problems.	an appropriate strategy to	summative exam.	

YEAR 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2- Block 1	Addition and Subtra Addition and Subtra numbers with and wi (carry-over/ borrowi appropriate strategy	ction of two 3-digit ithout regrouping ng). Choosing an	Measurements - Mo Recognise and use si and pence (p); comb a particular value and problems related to f change.	gns for pounds (£) ine amounts to make d solve word	with one-digit number	I three-digit numbers er using the column/ grid ed problems involving	Fractions (12) Comparing and or finding the equival fraction of given n	lent fractions and tenths
Term 2- block 2	Addition and Subtra Solving problems us method. Solving two by choosing appropr showing the working	ing the column step word problems iate operations and	Division (12) Dividing two and thr one-digit number usi method. Solving wor involving division.	ng the long division	estimate and measure	opriate standard units to	discuss the worksh	oncepts taught and neets including revision

		YEAR 4	LONG TERM	I PLAN wit	h CURRICU	LUM STANDA	RDS	
YEAR 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	ADDITION/SUBTR	NUMBERS/PLACE	NUMBERS/PLACE	FRACTIONS/DECI	NUMBERS/PLACE	DECIMALS/FRACTIO	DECIMALS	MEASURE/DECIMA
	Know number	Read, write and say	Recall and use	Know that 1/10 is	Recognise the place	Recognise, find and	Recognise patterns	Solve problems
	bonds to 100 and	aloud numbers	multiplication and	written 0·1 as a	value of each digit	name unit fractions of a	when counting	involving measure,
7	Add and subtract	written in figures	division facts for the	decimal. Measure	in a 4-digit number.	shape, compare and	across 1000s	including
Block	integers with up to	from 1000 to 10	2, 3, 4, 5 and 10	lengths (mm, cm	Add and subtract	order	boundaries to 10	conversions,
	and including four	000. Recognise the	multiplication tables	and m),	integers with up to	fractions(denominators	000. Add and	comparing,
<del>-</del>	digits, using	place value of each	including multiples	weights/masses (g	and including four	up to and including 10).	subtract integers	rounding and the
Term	mental or formal	digit in a 4-digit	and factor pairs.	and kg) and	digits, using	Recognise, find, name	with up to and	four operations
ē	written methods of	number (1000,	Multiply 2-digit and	capacity (ml and l)	mental or formal	equivalent fractions,	including four digits	(integer measure
•	column addition and	100s, 10s, 1s)write	3-digit numbers by a	with standard units.	written methods of	finding fractions in	using	only).
	subtraction,	numbers in	1-digit number	Conversions,	column addition and	everyday contexts and	appropriate mental	Interpret and
	11 1	expanded form.	using a	comparing,	subtraction,	solve problems	methods. Add	represent data in bar
	ROUNDING	ROUNDING/ADD/S			ANGLES/LINES/2-	MULTI/DIV/MONEY	Revision	
	NUMBERS/ADD/S	UBT	OPERATIONS/PR	TI/DIV	D			
	UBT/3D SHAPES		OBLEM SOLVING		SHAPES/SYMMET			
	Round any number	Count from 0 in	Add and subtract		RY/COORDINATE Identify acute,	Recall and use	Revise for first term	avam
N	-	multiples of 6, 8, 25		•	obtuse and reflex	multiplication and	Revise for first term	CXaiii
	100 or 1000. Add	and 100.	four digits.	fractions (for	angles; pairs of	division facts for the 2,		
Block	and subtract	Read, write,	Multiply 2-digit and	,	perpendicular,	3, 4, 5, 6, 8 and 10		
		recognize the place	3-digit numbers by a		parallel and equal	multiplication tables,		
+	and including four	valve, compare,	1-digit number.	•	length lines,	including multiples and		
Term	digits using	order and round a 4-	•	_	triangles,	factor pairs.		
Ĕ	appropriate mental	digit number to the			rectangles, squares,	Multiply 2-digit and 3-		
	methods	nearest 10, 100 or	money using 2	•	parallelograms and	digit numbers by a 1-		
		1000.			rhombuses.	digit number.		
		Add and subtract			Recognise	Divide 3-digit numbers		
			involving money	division facts for the		by 1-digit numbers.		

YEAR 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Block 1	FOUR OPERATIONS/FRA CTIONS/DECIMAL S		MEASURE/PROBL EM SOLVING/PERIME TER	UBT	NUMBERS/MULT/ PROBLEM SOLVING	NUMBERS/TEMPERA TURE	MULTI/DECIMAL S	MULTI/DIV/FACT ORS/DOUBLE/HA LVE/MONEY
	digits, multiply by multiples of 10 and 100.	Read and write amounts of local money using 2 decimal places. Solve problems involving money	answers only). Solve	value of each digit in a 4-digit number (1000s, 100s, 10s, 1s) and write numbers in	Multiply 2-digit and 3-digit numbers by a 1-digit number using a formal written method.	describe and record temperature (positive and negative integers of degrees Celsius). Read, write, say aloud	Use known multiplication facts to multiply by multiples of 10 and 100. Know that 1/10 is	Understand when to multiply and when to divide and the relationship between multiplication and
	3D SHAPES/2D SHAPES/PERIMET ER/AREA/SYMME TRY		LES/FACTORS/PR OBLEM SOLVING	LES/FACTORS/PR OBLEM SOLVING	COORDINATES/B AR CHARTS/LINE GRAPHS/PICTOG RAMS	MULTI/MULT/DIV (with or without remainders)/FRACTIO NSFRACTIONS/ADD/S	Revision	
rm 2- block 2	simple properties of common 3D shapes; sort the shapes accordingly.	Recognise, find and name equivalent fractions (for fractions with denominators up to and including 10)	number and four digits, using mental or formal written methods of column addition and	subtract and the relationship between addition and subtraction.	coordinates in the first quadrant. Interpret and represent data in bar charts and line	number wirh or without	Reinforce all the correvise for final exam	
	on the surface of 3D solids. Find areas of	on a number line. Know that 1/10 is written 0·1 as a decimal and relate tenths to place	Use place value, known facts and	numbers. Recall and use	graphs to show changes over time. Solve a variety of problems using data in tables and	remainder. Add and subtract fractions with the same denominators (for fractions		
		YEAR 5 L	ONG TERM	PLAN with	CURRICUL	UM STANDAR	DS	
YEAR 5	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
n 1- Block 1	Number skills(5) N5.1B Read, write and say aloud numbers written in figures from 10	Number skills (5) N5.2A Add and subtract positive integers with up to and including five	Number skills (5) .N5.3B Use known multiplication facts to multiply	Number skills (5) N5.3D Multiply numbers up to and including four digits by a 2-digit	of operations) for	Measures (5) Time G5.1E Read and write the time to the nearest minute on an analogue clock.	Number skills (5) N5.5L Read, write, order and compare numbers with the same	Number skills (5) N5.5C Compare fractions of quantities (where fractions have
Term	000 to 100 000. N5.1F Compare	digits, using mental or formal	by multiples of nowers of 10 up to	number using a	N6.4E Use priority of	G5.1F Convert between 12-hour time	number of decimal places up to and	denominators up to and

	WEEK 9	WEEK 10	WEEK 11	WEEK12	WEEK 13	WEEK 14	WEEK 15	WEEK 16
8	Number skills (5)	Number skills (5)	Geometry (5)	Geometry (5)	Statistics (5)	shapes (5)	Rev	ision
Block	N5.1B Write as	N5.1D Relate	G4.2B Identify	G4.2A Identify	S4.1A Interpret and	G4.2E Identify and	Reinforce all the c	oncepts taught and
8	mixed and	1/100s and 0.01 to	pairs of	acute, obtuse and	represent data in bar	name equilateral and	discuss the wor	ksheets for first
<del>-</del>	improper. Find	the place-value	perpendicular,	reflex angles; order	charts and line	right-angled	summati	ve exam
	fractions of an	table. N5.5E	parallel and equal	angles by	graphs to show	triangles.G5.2B		
Term	amount	Identify, name and	length lines and	size.Meaasuring and	changes over	Recognise and name		
-		convert 1/2 and	know the	drawing angles	time.S5.1B Draw	kite, tranezium.		
YEAR 5	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Number skills(5)	Fractions (5)	shape & positions	Shapes & positions		Measures (5)	Area & perimeter	Volume
•	N5.5A Work out	Addition and	G4.3A. Read, write	Translate simple	G5.2D Identify 3D	G5.1C Measure,	G5.1H Find	G5.1JBegin to
<b>₹</b> a	any unit fraction	subtraction of unlike	and use coordinates	polygons by adding	solids from 2D	compare, add and	1	understand the
	`	fraction where one	in all four	_	representations.	subtract: lengths	of rectilinear shapes	concept of volume;
l 4. lu		denominator is a	quadrants. G5.3A		G5.2E Identify,	(m/cm/mm); mass	U	Find
	10)of a number or	multiple of the	Given the	coordinates; Reflect	describe and	(kg/g); volume/capacity	Calculate the	the volume of a
(1)	1 -	other.	coordinates of three	simple	compare simple	(l/ml) (using decimal	perimeter and area	cube or cuboid by
	to division.		vertices of a	^	properties of	measures with the same	of composite	counting cubes;
N	N5.5B Work out		rectangle or square,	y-axis or in a line,	common 3D	number of decimal	shapes;	Understand volume
	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16
	Factors and	Percentages(5)	Percentages (5)	Graphs (5)	Number skills (5)	Geometry (5)		ision
2	•	To know the	Solve		_	G6.2H Draw and name	Reinforce all the c	
		meaning of	problems involving	<b>7</b> 1	numbers in context	parts of a circle: radius		ets including revision
<b>G</b>  f:	-	percentage. Find	fraction and	_	of temperature and	and diameter; know the	for fina	ıl exam
k fi	•		percentage	1	calculate	relationships between		
<b>E</b> p		and decimals. Find	equivalents;		-	the diameter and radius.		
	and common factors	percentage of a			fall, including			
0		quantity.		1	across 0.			
l k	Know the prime	YEAR 6	LONG TERM		N5 11 Order L CHEDICHI	LUM STANDAI	DD6	
		TEAR 0	LONG TEKN	I PLAN WIT	n CORRICO	LUM STANDA	KD3	
YEAR 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Number skills(5)	Fraction, decimal,	Addition,	Fraction,	Algebra (5)	Algebra(5)	Algebra(5)	Geometry (5)
Block	N6.1F Compare	N6.5C Identify,	N6.5F Add and	Find fractions and	N6.8G Simplify	Solve equations with	N6.8F Solve	G6.2A Know that
Blo	and order numbers	name, convert and	subtract fractions	percentages of an	expressions by	two unknowns. Be	simple equations	angles on a
÷	up to and	write common	with different	amount. N6.7B	collecting like	able to substitute	with one	straight line add to
Έ	including 10 000	equivalent	denominators	Calculate	terms or	values into simple	variable.Solve	180°, and find one
			376 50 3 5 1 1 1		1 11 .1	l 1 1 · · ·	l 11 1 ·	
Term	000 and	fractions, including	N6.5G Multiply	percentages to	expanding those	algebraic expressions.	problems by using	missing

	WEEK 9	WEEK 10	WEEK 11	WEEK12	WEEK 13	WEEK 14	WEEK 15	WEEK 16
8	Geometry (5)	Area &	factors &	Statistics(5)	Coordinates(5)	Number skills(5)	Rev	rision
Block	G6.2C Know that	G6.1F Find	N5.3K Identify	S6.1F Find the	G6.3A Read, write	N5.4B Introduce	Reinforce all the c	oncepts taught and
<u> </u>	angles inside a	perimeters of	prime numbers up	mean of a data set.	and use coordinates	BIDMAS (order of	discuss the wor	ksheets for first
Ξ	triangle add up to	regular and	to 100.N6.3K	S6.1G Find the	in all four	operations) for $+, -, \times, \div$	summat	ive exam
È	180° and angles in	irregular polygons	Find common	median of a data set.	quadrants.	only. N6.4E Use priority		
erm	a quadrilateral add	by measuring and	factors, common	S6.1H Find the	G6.3B Draw	of operations for		
-	up to 360° and	by calculating.	multiples and	range of a data set.	reflections of simple	calculations including		
YEAR 6	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Ratio &	Sequences(5)	Geometry(5)	Division(5)	Volume(5)	Measures (5)	shapes(5)	graph(5)
Block	N6.7A Use integer	N6.8C Use formal	G6.2L Draw	N6.3H Divide	G6.1H Recognise	G5.1C Measure,	G6.2J Identify,	S6.1A Interpret and
8	multiplication and	algebraic notation to	accurate triangles	numbers up to four	and use the formula	compare, add and	describe and	construct simple
4	division facts to	express a linear	using practical	$\mathcal{C}$	for volume of a	subtract: lengths	compare simple	dual bar charts.
	solve simple ratio	sequence.	equipment, given	whole numbers	cube and cuboid.		properties of	S6.1B Interpret and
Term	and proportion		_	using a		(kg/g); volume/capacity	common 2D	construct simple
-	problems involving	1115517.40		formal written			shapes: sort the	line graphs for more
	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16
2	Geometry (5)	Number skills (5)		Graphs (5)	Revision:	Revision: Solve		ision
	G6.2H Draw and	N5.1H Use negative		S4.1C Solve a	N6.6D Find	Solve multi step word		oncepts taught and
절	name parts of a		interpret pie chart	• •	percentages	problems involving all		ets including revision
N	circle: radius and	of temperature and		•	(multiples of 5%	four operations.	for the Bo	oard exam
	,	calculate		*	and 10%) of			
	relationships	temperature rise and			quantities in			
	between the	fall, including		nictograms. Draw	multiples			

		YEAR 7 I	LONG TERM	I PLAN wit	h CURRICUL	UM STANDAI	RDS	
YEAR 7	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
_	Unit2-Number	Unit2-Number	Unit3-Equations,	Unit3-Equations,	Unit3-Equations,	Unit7-Equations(5)	<b>Unit4-Fractions(5)</b>	<b>Unit4-Fractions(5)</b>
Block	Factors, primes and	Squares and square	Simplifying algebric	Writing formulae.	Factorising	Solving two-step	Working with	Multiplication and
<u> </u>	multiples.HCF &	roots.More powers	expressions. Writing	STEM:Using	expressions. Solving	equations. More	fractions, Adding &	division of fraction,
<u>+</u>	LCM using venn	and roots.(2.4 and	algebric	formulae. Brackets	one-step	complex equations. (7.2	subtracting	Working with
È	diagram. Using	2.5)	expressiosn. (3.1	and powers. (3.3,	equations.	and 7.3)	fractions. Fractions,	mixed numbers.(4.4
Term	negative numbers.		and 3.2)	3.4 and 3.5)	(3.6 and 7.1)		decimals and	and 4.5)
-	(2.1 and 2.2)						percentages, (4.1.	
O.	Unit5-Angles and	Unit5-Angles and	Unit1- Analysing	Unit1- Analysing	Unit9-	Unit9-Perimeter,area		rision
* 2	Angles and parallel	Quadrilaterals,	Compare the sets of	Interpret and draw	Area of triangles,	Surface area & Volume		oncepts taught and
Block	lines,Use the	Interior and exterior	data using averages	U 1	1 0	of cube, cuboid and		ksheets for first
	properties of	angles of a	and range, Grouped	charts. (1.4 and 1.5)	•	triangular prism.(9,4	summat	ive exam
<del>/</del>	triangles to work	Polygons,	data.(1.2 and 1.3)		perimeter of	and 9.5)		
Term	out unknown	Geometrical			compound shapes.			
Ē	angles(5.1 and 5.2)	proofs(5.3 and 5.4)			Revision:Properties			
-					of 3D solids. (9.1,			
YEAR 7	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
7	Unit3-3D solids(5)	Unit6-Decimals(5)	Unit6-Decimals(5)	Unit8-Multiplicative	Unit8-Multiplicative	Unit10-Sequences and	Unit10-Sequences	Unit10-Sequences
Block	Area and	Ordering decimals,	Multiplying	Writing ratios, Share	Direct and inverse	Work out the term to	Pattern sequences.	Coordinates and line
<u> </u>	circumference of a	Rounding decimals,	decimals, Division of	a quantity in 2 or	l' ' '	term rule in the	Coordinates and line	segments, Straight
	circle,Area and	Addition and	decimals and	, ,	unitary method. (8.5	sequences, The nth term.	segments. (10.3 and	line graphs parallel to
Term 2-	perimeter of quarter	subtraction of	recurring decimals.	ratio, Proportion.	and 8.6)	(10.1 and 10.2)	10.4)	the x-axis. (10.4 and
e		decimals. (6.1, 6.2	Fractions, decimals	(8.2, 8.3 and 8.4)				10.5)
_	(3.4 and 3.5)	and 6.3)	and percentage. (6.4,					
2	Unit8-Probability(5)	Unit8-Probability(5)	Unit7-	Unit7-	Unit 5-	Unit 5-		rision
20	Comparing	Experimental	Accurate drawings,	Construct	Describe and carry	Enlarge a shape and		oncepts taught and
ğ	probabilities,	probability,	Construct triangles	perpendicular	· · · · · · · · · · · · · · · · · · ·	desribe an		ets including revision
2- block	Mutually exclusive	Probability diagrams.	using a ruler and	bisector and Angle	Describe and carry	enlargement.Enlargement	top	pics
E	events, Estimating	(8.4 and 8.5)	compasses(SAS, SSS,	_	out Reflections/	s a shape using negative		
Term	probability. (8.1 and 8.2)		ASA) (7.1 and 7.2)	and compasses. (7.3 and 7.4)	Describe and carry out rotations. (5.1	scale factor and fractional scale factor.(5.3 and 5.4)		
	10 //	1	1	12nd / /l)	LOUIT POTATIONS /E 1	ICCOLO FOCTOR (E 3 and E 1)		

		YEAR 8	LONG TERM	M PLAN wit	h CURRICUI	LUM STANDAI	RDS	
YEAR 8	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1- Block 2 Term 1- Block 1	Factors and powers  Prime factor decomposition of a number.To find HCFand LCM using venn diagrams.Solving word problem in  UNIT 2:Working  Factorise an algebraic expressions.To substitute integers into expressions. To	To work out laws of indices for positive powers. To use laws	To use and understand powers of 10. To calculate with powers. Round to a number of significant figures.  UNIT  Accurate drawings, Construct triangles. Constructing perpendicular	To write the numbers using Standard form. Simplifying algebraicexpression s. involving powers and brackets	To use the index laws in algebraic calculations and expressions. Using Index Laws with zero and negative powers.		Reinforce all the o	UNIT To calculate percentage change. To calculate the effect of repeated percentage changes.  ion(12) concepts taught and eksheets for first ive exam
YEAR 8	construct and solve WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2- Block 1	Work out the length of an arc. Work out the area of a sector. Solve problem involving arc and sector.	UNIT 4:RealLife Draw and interpret Distance-time graphs, Interpret real life graphs.	UNIT To describe and carry out reflection,translatio n and rotation.	To enlarge a shape,To describe an enlargement.To	T 8:Probability(Del Revision + Estimating probability, probability diagrams	<b>A</b> '	Unit y=mx+c,Parallel and perpendicular lines	Unit 9:Scale  Maps and scales,Bearings
Term 2- block 2	Unit 9:Scale Scales and ratios, Congruent and similar shapes.	Unit 9:Scale  To use similiarity to solve problems in 2D shapes	To construct and solve complex equations.Changing	To draw stem and leaf diagrams.To construct frequency	UNIT 4: Collecting To estimate the mean and range from a grouped frequency table.	Simultaneous Equations Solve a pair of Simultaneous Equation		ion(12) concepts taught.

		YEAR 9 I	LONG TERM	I PLAN wit	h CURRICUL	UM STANDAI	RDS	
YEAR 9	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
-	Number (6)	Number Contd (6)	Number Contd (5)	Algebra (6)	Algebra Contd (6)	Algebra Contd (6)	Algebra Contd (5)	Fractions, ratio and
	Place value and	Calculating with	To calculate with	To solve sums	To solve equations	To rearrange	To expand the	To add subtract
1- Block	<i>U</i> ,	powers	numbers in standard	~ ~	involving brackets	formulae.To solve sums	*	multiply divide
<u> </u>	LCM. Calculating	(indices).Zero,	form. Understand	1	and numerical	on linear sequences.To		fractions and mixed
<del>-</del>	with powers	negative and	the difference		fractions.To	solve problems using	difference of two	numbers.To
E	(indices).	fractional indices.	between rational	factorise algebraic	substitute numbers	non - linear	squares.To factorise	*
Term		To write a number	and irrational	expressions.	into formulae	sequences.To work out	*	find quantities using
	T	in standard form.	numbers.Simplify a	A 1 1	4 7 7	terms in Fibonacci like	form ax²+bx+c	ratios.
8				Angles and	Angles and	Angles and	Revision (12)	1. 1
	To convert between		Estimate the mean	To use angle	To solve problems	To use trignometric	Reinforce all the con	
Block	currencies and	problems involving	and range from a	properties of	involving	ratios to find the lengths		ets for first
	measures.To use	percentages.		triangles,quadrilater		and angles in a right	summative exam	
<del>-</del>	direct proportion.To		table.To find the	al and exterior angle		angled triangle.To find		
Ę	work out percentage			_	trigonometric ratios	angles of elevation and		
Term	increase and	and percentages.To		calculate the sum of		depression.		
	decrease.	convert a recurring	median.To construct	the interior angles				
YEAR 9	WEEK 1	WEEK O	1					
	WEEK	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
1 == == 0	Interpreting and	Interpreting and	Interpreting and	Graphs (6)	Graphs Contd (6)	WEEK 6 Graphs Contd (6)	Graphs Contd (6)	Area and volume
-	Interpreting and To construct and		Interpreting and	Graphs (6) To find the gradient	Graphs Contd (6) To find the equation		Graphs Contd (6) To find the	
-	Interpreting and	Interpreting and To plot and interpret time series	Interpreting and To plot and interpret scatter graphs. To	Graphs (6) To find the gradient and y intercept from	Graphs Contd (6) To find the equation of a line given its	Graphs Contd (6) To understand velocity - time graphs.To find	Graphs Contd (6) To find the coordinates of the	Area and volume To find the perimeter and area
-	Interpreting and To construct and use back -to-back stem and leaf	Interpreting and To plot and interpret time series graphs. To use	Interpreting and To plot and interpret	Graphs (6) To find the gradient	Graphs Contd (6) To find the equation of a line given its	Graphs Contd (6) To understand velocity -	Graphs Contd (6) To find the coordinates of the midpoint of a line	Area and volume To find the perimeter and area of compound
Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct	Interpreting and To plot and interpret time series graphs. To use trends to predict	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity -	Graphs Contd (6) To find the coordinates of the midpoint of a line segment. To find the	Area and volume To find the perimeter and area of compound shapes.To calculate
2- Block 1	Interpreting and To construct and use back -to-back stem and leaf	Interpreting and To plot and interpret time series graphs.To use trends to predict what might happen	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distance-	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw	Graphs Contd (6) To find the coordinates of the midpoint of a line segment. To find the gradient and length	Area and volume To find the perimeter and area of compound shapes. To calculate volumes and surface
2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line	Graphs Contd (6) To find the coordinates of the midpoint of a line segment. To find the gradient and length of a line segment. To	Area and volume To find the perimeter and area of compound shapes.To calculate volumes and surface areas of prisms
Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency	Interpreting and To plot and interpret time series graphs.To use trends to predict what might happen	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distance-time graphs. To calculate average	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw	Graphs Contd (6) 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	Area and volume To find the perimeter and area of compound shapes.To calculate volumes and surface areas of prisms
2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the future. Moving Averages	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c.	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To calculate average speed from a	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.	Graphs Contd (6) 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	Area and volume To find the perimeter and area of compound shapes.To calculate volumes and surface areas of prisms
Term 2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.  Area and volume	Interpreting and To plot and interpret time series graphs.To use trends to predict what might happen in the future.Moving Averages Area and volume	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.  Transformations	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c. Transformations	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To calculate average speed from a Probability (6)	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.  Equations and	Graphs Contd (6) 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 Revision(12)	Area and volume To find the perimeter and area of compound shapes.To calculate volumes and surface areas of prisms
Term 2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.  Area and volume .To calculate the	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the future. Moving Averages Area and volume To calculate volume	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.  Transformations Reflection and	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c. Transformations To draw scales on	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distance-time graphs. To calculate average speed from a  Probability (6) To find probabilities	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.  Equations and To solve simple	Graphs Contd (6) 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 Revision(12) Reinforce all the con	Area and volume To find the perimeter and area of compound shapes. To calculate volumes and surface areas of prisms
Term 2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.  Area and volume .To calculate the area and	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the future. Moving Averages Area and volume To calculate volume and surface area of	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.  Transformations Reflection and Rotation.Enlarge	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c. Transformations To draw scales on maps. To solve	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To calculate average speed from a  Probability (6) To find probabilities of mutually	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.  Equations and To solve simple simultaneous equations	Graphs Contd (6) 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 Revision(12) Reinforce all the condiscuss the revision v	Area and volume To find the perimeter and area of compound shapes. To calculate volumes and surface areas of prisms
Term 2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.  Area and volume .To calculate the area and circumference/	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the future. Moving Averages Area and volume To calculate volume and surface area of a cylinder and a	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.  Transformations Reflection and Rotation.Enlarge shapes by fractional	Graphs (6)  To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c.  Transformations  To draw scales on maps. To solve problems involving	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To calculate average speed from a  Probability (6) To find probabilities of mutually exclusive events.	Graphs Contd (6)  To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.  Equations and To solve simple simultaneous equations algebraically and	Graphs Contd (6) 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 Revision(12) Reinforce all the con	Area and volume To find the perimeter and area of compound shapes. To calculate volumes and surface areas of prisms
2- block 2 Term 2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.  Area and volume .To calculate the area and circumference/ perimeter of a	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the future. Moving Averages Area and volume To calculate volume and surface area of a cylinder and a sphere. To calculate	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.  Transformations Reflection and Rotation.Enlarge shapes by fractional and negative scale	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c. Transformations To draw scales on maps. To solve problems involving bearings.	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To calculate average speed from a Probability (6) To find probabilities of mutually exclusive events. Experimental	Graphs Contd (6) To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.  Equations and To solve simple simultaneous equations	Graphs Contd (6) 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 Revision(12) Reinforce all the condiscuss the revision v	Area and volume To find the perimeter and area of compound shapes. To calculate volumes and surface areas of prisms
2- block 2 Term 2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.  Area and volume To calculate the area and circumference/ perimeter of a circle,semicircles	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the future. Moving Averages Area and volume To calculate volume and surface area of a cylinder and a sphere. To calculate volume and surface	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.  Transformations Reflection and Rotation.Enlarge shapes by fractional and negative scale factors about a	Graphs (6) To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c. Transformations To draw scales on maps. To solve problems involving bearings. Construction of	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To calculate average speed from a Probability (6) To find probabilities of mutually exclusive events. Experimental Probability. Indepen	Graphs Contd (6)  To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.  Equations and To solve simple simultaneous equations algebraically and	Graphs Contd (6) 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 Revision(12) Reinforce all the condiscuss the revision v	Area and volume To find the perimeter and area of compound shapes. To calculate volumes and surface areas of prisms
2- block 2 Term 2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.  Area and volume .To calculate the area and circumference/ perimeter of a circle,semicircles and quarter	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the future. Moving Averages  Area and volume To calculate volume and surface area of a cylinder and a sphere. To calculate volume and surface area of a pyramids	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.  Transformations Reflection and Rotation.Enlarge shapes by fractional and negative scale factors about a centre of	Graphs (6)  To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c.  Transformations  To draw scales on maps. To solve problems involving bearings.  Construction of angle bisector and	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To calculate average speed from a Probability (6) To find probabilities of mutually exclusive events. Experimental Probability. Independent events. To draw	Graphs Contd (6)  To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.  Equations and To solve simple simultaneous equations algebraically and	Graphs Contd (6) 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 Revision(12) Reinforce all the condiscuss the revision v	Area and volume To find the perimeter and area of compound shapes. To calculate volumes and surface areas of prisms
block 2 Term 2- Block 1	Interpreting and To construct and use back -to-back stem and leaf diagrams. Construct and use frequency polygons.  Area and volume To calculate the area and circumference/ perimeter of a circle,semicircles and quarter	Interpreting and To plot and interpret time series graphs. To use trends to predict what might happen in the future. Moving Averages Area and volume To calculate volume and surface area of a cylinder and a sphere. To calculate volume and surface	Interpreting and To plot and interpret scatter graphs. To draw a line of best fit on a scatter graph. To use the line of best fit to predict values.  Transformations Reflection and Rotation.Enlarge shapes by fractional and negative scale factors about a	Graphs (6)  To find the gradient and y intercept from a linear equation. To rearrange an equation into the form y=mx+c. To plot graphs with equations ax+by+c.  Transformations  To draw scales on maps. To solve problems involving bearings.  Construction of angle bisector and perpendicular	Graphs Contd (6) To find the equation of a line given its gradient and one point. To draw and interpret distancetime graphs. To calculate average speed from a Probability (6) To find probabilities of mutually exclusive events. Experimental Probability. Indepen	Graphs Contd (6)  To understand velocity - time graphs. To find acceleration and distance from velocity - time graphs. To draw and iterpret real - line linear graphs.  Equations and To solve simple simultaneous equations algebraically and	Graphs Contd (6) 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 Revision(12) Reinforce all the condiscuss the revision v	Area and volume To find the perimeter and area of compound shapes. To calculate volumes and surface areas of prisms

		YEAR 10	LONG TER	M PLAN wi	th CURRICU	LUM STANDA	RDS	
YEAR 10	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Unit 6 Graphs (6)	Unit 6 Graphs	Unit 9 Equations	Unit 15 Equations	Equations and	Equations and	Unit 8.5 Bearings.	Unit 13 More
ferm 1- Block	-	Draw and interpret distance-time, velocity time graph and real-life graphs[6.3,6.4]	equations by factorisation, use the quadratic formula and by	Find approximate solutions to quadratic equations graphically.(15.3-	Solve simultaneous equations algebraicallyy and graphycally Solve quadratic simultanious. (9.4 - 9.6,15.2)		Draw and use scales on maps and scale drawings. Solve problems involving bearings .Revision on Pythagoras theorm and Trigonometry	Find the area of a triangle and a segment of a circle. Use the sine rule to solve 2D problems.  (13.5)
	More Trigonometry	Unit 12 Similarity	Similarity and	Similarity and	Unit 16 Circle	Circle theorems		ion(12)
	Use the cosine rule	To show that two	To use the ratio of		Understand about	Understand, prove and	Reinforce all the o	concepts taught and
	to solve 2D	triangles are		between linear scale		use facts about cyclic	discuss the wor	ksheets for first
<del>\</del> <del>\</del> <del>\</del> <del>\</del> <del>\</del> <del>\</del>	problems.	congruent.To know		factor and area scale	•	quadrilaterals and	summat	ive exam
Block	U	the conditions of	scale factors.To find		Prove and use facts	alternate segment		
		congruence.To	0 0	^	•	theorem.Solve angle		
Ε,		prove shapes are	1	Use the link		problems using circle		
Term	(13.6)	congruent.To solve	`			theorems.		
-		problems involving		,		equation of the tangent		
		congruence(12.1-			· ·	to a circle at a given		
		12.2)		solve problems	and angles	point.		

YEAR 10	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Vectors and	Vectors and	Vectors and	Further statistics	Further statistics	Probability(6))	Probability(6)	Probability(6)
	Understand and use	Solve problems		Understand simple	Work out the	Use the product rule for	Work out the	Draw and use tree
	vector notation.	using vectors.	Prove lines are	random sample and	median, quartiles	finding the number of	expected results for	diagrams without
_	Calculate using	Use the resultant of	parallel.	stratifi ed sample.	and interquartile	outcomes for two or	experimental and	replacement.
7	vectors and	two vectors to solve	Prove points are	Draw and interpret	range from a	more events.	theoretical	Use two-way tables
Block	represent the	vector	collinear Solve	cumulative	cumulative	Identify mutually	probabilities.	to calculate
ā	solutions	problemsExpress	geometric problems	frequency tables.	frequency diagram.	exclusive outcomes and	Compare real	conditional
4	graphically.	points as position	in two dimensions		Draw and interpret	events.	results with	probability
Term	Calculate the	vectors	using vector		box plots. (14.1 -		theoretical expected	Venn diagrams to
<u> </u>	resultant of two		methods.		14.3		values to decide if a	calculate
•	vectors.		Apply vector				game is fair.	conditional
			methods for simple					probability.
			geometric proofs.					Use set notation
	Unit 2Algebra (6)	Unit 8.1 3D solids	Unit 7 Area and	Unit 8 Revision on	Multiplicative	Multiplicative	Revisi	ion(12)
	Solve problems	Draw plans and	Calculate volume		Find an amount	Solve problems		concepts taught and
8	^	elevations of 3D		Revision on	after repeated	involving compound		ets including revision
block	sequences.	solids.			percentage changes.	measures.		it 1- Unit 7] for final
3	Work out terms in	Draw a locus.	-		growth and decay,	Use relationships		am
4	Fibonnaci-like	Use loci to solve	1 -	_	rates.Convert metric	_		
Ę	sequences.	problems		combinations.(8.2-	speed measures.	Use direct and indirect		
Term	Find the nth term of			8.4)	_	proportion		
•	a quadratic				measures.	<u></u>		
	sequence (2.6).							

YEAR 11	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7 AI	ND WEEK 8
	Unit 13More	More	More	Unit19Proportion	More	Unit6Graphs(5)	Proportion a	nd Graphs(8)
Term 1- Block	Use upper and lower bounds in calculations, Calculating areas and the sine rule, The cosine rule and	Solving problems in 3D	_	Stretching graphs of functions	Reflecting, translating and stratching Trigonometric curves, Solve equations.	D/T, V/T and More real life graphs	Calculate the gradient of a tangent a point, Estimate the area under a nor linear graph. Assessment 3	
2	Unit 15 Equations	Unit 14 Further	Further	Unit 17More		Unit 7Area and	Revision	
	To find an accurate root of a quadratic and cubic equation by using iterative process. Assessment - revision unit 9 and	Sampling, cumulative frequency, box plots	Drawing and interpreting cumulative frequency curve, Histograms, comparing and	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 concepts done an discussion of past papers.	
YEAR 10	WEEK 1	WEEK 2		WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2- Block 1	Unit16Circle To prove and apply all the circle theorems	Vector Arithmetic, Parallel and collinear vectors, Solving geometric problems Assessment 1	Unit10Probability( Mutually exclusive, Independent events, Experimental probbaility, conditional probability, venn diagrams and set notation	Similar, Congruent	Similarity and similarity in 3D shapes. Assessment 2	Unit3Interpreting and Time series, scatter diagrams, line of best fit, averages and range	Unit8Transformati Reflection, Translation, enlargement and Rotation, Bearings and scale drawings	Transformation Constructions an loci
block 2	Revision  Reinforcing all the concepts taught.  Disussion of sample papers and mock papers.							

	IG	CSE YEAR	11 LONG T	TERM PLAN	with CURR	ICULUM STAI	NDARDS	
YEAR 11	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
1- Block 2 Term 1- E	Shape and space Sine rule Cosine rule  Shape and space 6 Intersecting Chord Theorems; Assessment 3 - Revision Topic: Algebra 1; Algebra 3, Algebra 5, Algebra 7, Algebra 9(9.1), Graphs 4(4.1 - 4.2), Graphs 7(7.1)	Measures of dispersion; quartiles; cumulative frequency.		Algebra 10 (10.1 - Algebraic fractions: Simplifying, Adding, Subtracting, Multiplying, Dividing and	Graphs 8 (8.4) Stretching graphs; Graphs of sine, cosine and tangent.  Bk 1 Number 4 Compound and Inverse percentages; Direct and inverse proportion; compound measures; proportion.	Graphs 9 (9.1 - 9.4) (5) The gradient of a function; Differentiation; Stationary points; Motion of a particle in a straight line. Shape and space 7 (7.1 Circles; Solids; Conversion: Units of length, area and volume.	Cubic graphs; Reciprocal graphs; Gradient of a curve at a point. Assessment 2 Graphs 8 / Revision Rev Reinforcing all the c discussion of past pa	ision oncepts done and
YEAR 11	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 2- block 2 Term 2- Block 1	Bk1 - Shape and  Circle Theorems 1; Circle Theorems 2; Alternate segment theorems.  Revision  Reinforcing all the concepts taught. Disussion of sample papers and mock papers.	Multiplication of a vector by a scalar; vector geometry. Using formula:	Bk 1 - Handling  Probability - single events, experitmental and theoretical; Laws of probability; Combined and	Sets 1 (1.1 - 1.2), Set notation; venn diagrams; Three set and practical problems; shading sets; set builder notation:	Similar triangles; Similar shapes. Indices; Recurring decimal; Advanced calculator; solving	Bk 1 - Handling Data 1 Statistical investigation; presenting and misleading data; averages for discrete data; frequency tables; discrete and continuous	Transformations; Translations; Reflections and rotations; Enlargements;	Shape and space 1 Constructions; straight line graphs; sketching straight line graps; straight line conversion graphs: gradient of a

		YEAR 12	LONG TER	M PLAN wi	th CURRICU	LUM STANDA	RDS	
YEAR 12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
Term 1- Block 1	Index Laws, Negative and Fractional Indices, Surds and Rationalising denominators  Data collection(3) Population and samples, Sampling, Non random	Quadratics(3) Solving Quadratic Equations by (i) Factorising (ii) Quadratic Formula, Completing the square, Functions and Sketching Quadratic graphs  Measures of Measure of central tendency: Mean Median Mode and Quartiles.	Quadratics & Finding the nature of roots using Discriminant, Modelling with quadratics, Solving Linear simultaneous equations, Solving Quadratic Simultaneous equations  Measures of Percentile, Measures of spread, Variance and standard deviation.	simultaneous equations on graphs, Solving Linear Inequalities, Solving Quadratic inequalities, Inequalities on graphs, Regions  Measures of Variance and standard deviation	Sketching Quartic	Graphs and Translation of graphs, Stretching and reflecting Graphs, Transforming functions & Gradient and Equation of the line  Representation of Histogram with unequal intervals and Comparing data.	Length and area, Modelling with straight lines & Midpoint and Perpendicular Bisectors, Equation of a circle  Correlation(3) Scatter Diagram and	Cirlces(3) Intersection of straight lines and circles, Use tangent and Chord Properties, Circles and triangles  Correlation(3) Interpretation of regression line and gradient.
YEAR 12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Algebraic	Algebraic	Binomial	Trigonometric	Trigonometric	Trigonometric	Revision	Revision
ck 2	Dividing polynomials, Factor	and Binomial	Solving binomial problems, Binomial Estimation & Cosine Rule, Sine Rule	problems, Graphs of Sine, Cosine, Tangent,	Angles in all four quadrants, Exact value of trigonometrical ratios,	Simple trigonometric equations, Harder trigonometric equations, Equations and Identities		
+	Probability(3)	Probability(3)	Probability(3)	Statistical	Statistical	Statistical	Revision	Revision
Term	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
	Vectors(3)	Vectors(2) &	Differentiation(3)	Differentiation(3)	Differentiation(3)	Integration(3)	Integration(3)	Integration(3)
2- Bio	Vector notation, Representing as column vectors, Magnitude and direction and Position vectors.	Solving geometric problems, modelling with vectors & Gradient of curve, Finding the derivative, Differentiating x <sup>n</sup>	Differentiating quadratics, functions with two or more terms, Tangents and normals	order derivatives	Sketching gradient functions, Modelling with differentiation.	Integrating x <sup>n</sup> , Indefinite integrals, Finding functions using integration	Areas under the curve, Areas under	Area between curve and line & Exponential Functions
Term	Hypothesis	Hypothesis	Hypothesis	Regression,	Regression,	Conditional	Conditional	Conditional
	Test Statistic, Null and Alternative Hypothesis and Finding Critical Values.	One tailed test, Comparing significance level and finding critical region.	Two tailed test, Comparing significance level and finding critical region.	Exponential Models and Measuring correlation.	Hypothesis Testing for zero correlation.	Set Notation, Conditional Probability.	Probabilities in Ven	Probability Formulae
YEAR 12	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Exponentials and	<b>Exponentials and</b>	<b>Exponentials and</b>	Algebraic	Algebraic	Radian Measure(3)	Revision	Revision
	Graph of $y = e^x$ ,	Laws of logarithms,	Working with	•	Partial Fractions,	Area of sector and		
	Exponential	Solving equations	natural logarithms,	•	Repeated Factors	segment, Solving		
	modelling,	using logarithms.	_	algebraic fractions	and Algrbraic	trigonometric equations		
N	Logarithms,		linear data.		division & Radian	and Small Angle		
SC X					Measure, Arc length.	Approximation.		
2- Block 2	Conditional	Normal	Normal	Normal	Normal	Normal	Revision	Revision
4	Conditional	Understanding	Inverse normal	Finding μ and σ	Approximating a	Hypothesis Testing with		
Term	Proabilities in Tree	normal distribution	distribution function		Binomial	the Normal Distribution.		
– e	Diagrams.	and its	and Standard		Distribution.			
		characteristics and	Normal					
		Finding	Distribution.					
		probabilities for						
	I	normal	I	I	I	Ī	I	1

		YEAR 13	LONG TER	M PLAN wi	th CURRICU	LUM STANDA	RDS	
YEAR 13	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Algebraic	<b>Functions and</b>	Functions and	<b>Functions and</b>	Sequences and	Sequences and	Binomial	Binomial
	Proof by	Functions and	Composite		Geometric sequence	Sigma Notation,	Expanding (1+x) <sup>n</sup>	Using Partial
	contradiction & The	mappings,	functions, inverse	problems &	and series, Sum to	recurrence relation and	and $(a+bx)^n$ .	Fractions to
-	modulus fuction	Sketching modulus	functions and	Arithmetic	infinity.	Modelling with series	and (a ron) r	simplify the
		functions	Combining	Sequence and series				Binomial Expansion
1- Block			transformations.					& Sketching and
<b>.</b>		~	~					using Graphs of Sec
Ž		Constant	Constant		Forces and	Forces and Motion(3)	Variable	Variable
Term	Constructing a	Displacement-time	Constant	Force diagrams,	Motion in 2	Connected Particles and		Using Integration
¥	model and	graph, Velocity-	Acceleration	· · · · · · · · · · · · · · · · · · ·	dimensions,	Pulleys.	using	and constant
	modelling	time graph.	Formula 1 and 2,		Connected Particles.		differentiation,	acceleration
	assumptions,		Vertical motion	Acceleration.				formula.
	Quantities and units		under gravity.				Minima problems.	
VEAD 40	and working with	WEEK O	WEEK O	MEET A	MEEK E	WEEK	MEEL 7	WEEKO
YEAR 13	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Trigonometric	Trigonometry and	Trigonometry and	Parametric	Differentiation(3)	Differentiation(3)	Revision	Revision
	Inverse	Solving	Modelling with	Curve Sketching,	Differentiating	Parametric		
	trigonometric	trigonometric	trigonometric	Points of	exponentials and	Differentiation, Implicit		
N	functions & Using	equations.	functions &	intersection and	logarithms and	Differentiation using		
	Angle Addition	Simplifying a cos x	Parametric	modelling with	trigonometric	second derivatives,		
Block	Formula and	± b sin x, Proving	Equations, Using	parametric	funtions. Chain rule,	Rates of change.		
<b>m</b>	Double angle	trigonometric	trigonometric	equations.	Product rule.			
<del>-</del>	Moments(3)	Moments(3)	Moments,		Forces and	Projectiles(3)		Projectiles(1) &
Term	Moments, Resultant	*	Tilting & Resolving		Friction &	Horizontal and Vertical		Projectile Motion
Te	Moments.	Centre of mass.	Forces		Horizontal	Components, Projection		Formulae & Module
					Projection	at any angle.	Motion Formulae.	Test.
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YEAR 13	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Integration(3)	Integration(3)	Integration(3)	Numerical	Vectors(3)	Vectors(3)	Revision	Revision
	Integrating standard	Integration by	Finding areas,	Locating roots,	3D coordinates,	Application to		
	functions, f(ax+b),	substitution,	trapezium rule,	Iteration, The	vectors in 3D,	Mechanics.		
	Using trigonometric	Integration by parts,	solving differential	Newton Raphson	Solving geometric			
	identities, reverse	Partial fractions,	equations,	method,	problems.			
5	chain rule		modelling with	Applications to				
Š			differential	modelling.				
Block			equations.					
n 2-	Applications of	Applications of	Applications of	Applications of	Further	Further Kinematics(3)	Further	Further
Term	Forces(3)	Forces(3)	Forces(3)	Forces(3)	Kinematics(3)		Kinematics(3)	Kinematics(1) &
Ě	Static Particles,	Friction and Static	Static Rigid Bodies,	Dynamics and	Vectors in	Vector Methods and	Variable	Integrating Vectors
	Modelling with	Particles, Static	Dynamics and		Kinematics and	projectiles and Variable	Acceleration in one	& Module Test.
	statics.	Rigid Bodies.	inclined Planes.	Connected Particles.	Vector Methods and	Acceleration in one	dimension and	
					projectiles.	dimension.	Differentiating	
							Vectors.	
YEAR 13	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8
	Revision	Revision						
X 2								
Block								
ā	Revision	Revision						
7	Revision	Revision						
E								
Term								
•								