

MATHEMATICS LONG TERM PLAN 2026-27											
YEAR 1 LONG TERM PLAN with CURRICULUM STANDARDS											
YEAR 1	WEEK 1- Aug last/ Sept 1st week	WEEK 2- Sep 2nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4th Week	WEEK 5-Sep 5th/Oct 1st Week	WEEK 6 Oct 2 nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1 st Week	WEEK 10- Nov 2nd Week	
Term 1	Unit-1 Number and Place value (6) Sorting objects/ Counting objects to 10/ Represent numbers to 10/ Count objects from a larger group/ Count on from any number	Unit-1 Number and Place value (6) one more Count backwards from 10 to 0 one less Comparing groups fewer or more	Unit-1 Number and Place value (6) < , > or = Comparing numbers/ Ordering objects and numbers/ The number line.	Unit-2 Number and Place value (6) Parts and wholes/The part-whole model/ Write number sentences/Facts families-addition facts.	Unit-2 Number and Place value(6) number bonds Find number bonds number bonds to 10	Unit-15 Measurement/Money(6) Recognise coins Recognise notes Count coins	Unit-3 Addition and Subtraction(6) add together/ add more/ addition problems Find	Unit-4 Subtraction within 10 (6) how many are left? (1) how many are left? (2) break apart (1) break apart (2)	Unit-4 Subtraction within 10 (64) Fact families Subtraction on a number line Add or subtract 1 or 2 Solve word problems-addition and subtraction.	REVISION Reinforce all the concepts taught and revise for the first term exam.	
YEAR 1	WEEK 11- Dec 1 st& 2nd Week	WEEK 12- Jan 1 st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3 rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1 st Week	WEEK 17- Feb 2 nd Week	WEEK 18 - Feb 3 rd Week	WEEK 19- Feb 4 th Week	Week 20 March1st Week	
Term 2	Unit-5 2D and 3D shapes(6) Recognise and name common 2D shapes /Making patterns with shapes.(6)	Unit-6 Number and Place value(6) Counting and writing numbers to 20 Tens and ones.(1 and 2) Counting one more/ less	Unit-6 Number and Place value(6) Comparing numbers of objects Comparing numbers Ordering objects and numbers to 20.	Unit-7 Addition and Subtraction within 20 (6) Adding by counting on within 20/Add ones using number bonds/Find and make number bonds to 20/doubles/near doubles	Unit-7 Addition and Subtraction within 20 (6) Subtract ones using number bonds/Subtraction-count back/find the difference	Unit-7 Addition and Subtraction within 20 (6) Related facts-fact families Missing number problems Solve word and picture problems- addition and subtraction	Unit-9 MEASUREMENT-LENGTH/HEIGHT-(6) Compare lengths and heights/ Measure length/Word problems.	Unit-10 MEASUREMENT-LENGTH/HEIGHT-(6) Heavier and lighter/ Measure mass/ Compare mass/ Full and empty/ Measure capacity/Compare capacity/word problems.	Unit-8 Number and Place value within 50 (6) Count to 50/ Numbers to 50/ 20, 30, 40 and 50/Count by making groups of 10s.	Unit-8 Number and Place value within 50 (6) Groups of 10s and 1s/Partition into 10s and 1s/one more/one less.	
YEAR 1	WEEK 21- March 3rd Week	WEEK 22- March 4th & 5th, April1st Week	WEEK 23- April 3 rd Week	WEEK 24- April 4th Week	WEEK 25 April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2 nd Week	WEEK 29 -June 3 rd Week	Week 30- June 4th Week	
Term 2	Unit-11 Multiplication and division (6) Count in 2s Count in 10s Count in 5s	Unit-11 Multiplication and division (6) Add equal groups Make arrays/ Make doubles Grouping Sharing	Unit-12 Fractions (6) Recognise and find a half of a shape Recognise and find a half of a quantity	Unit-12 Fractions (6) Recognise and find a quarter of a shape Recognise and find a quarter of a quantity	Unit-15 MEASUREMENT-TIME-(6) Before and after/days of theweek/months of the year/tell the time to the hour/half hour	REVISION Reinforce all the concepts taught and revise for the final exam.	REVISION	Unit-14 Number and Place value within 100(6) Count from 50 to 100 /10s to 100/Partition into 10s and 1s /number line to 100	Unit-14 Number and Place value within 100(6) one more and one less/ compare numbers	Unit-13 Position and direction (6) Describing turns Describe position-left and right Describe position-forwards and backwards Describe position-above and below Ordinal numbers	
YEAR 2 LONG TERM PLAN with CURRICULUM STANDARDS											
YEAR 2	WEEK 1- Aug last week	WEEK 2- Sep 1st Week	WEEK 3- Sep 2nd Week	WEEK 4- Sep 3rd Week	WEEK 5-Sep 4th Week	WEEK 6 Sep 5th/Oct 1st Week	WEEK 7 - Oct 2nd Week	WEEK 8- Oct 4th Week	WEEK 9- Oct 5th Week	WEEK 10- Nov 1st Week	
Term 1	Unit - 1 Numbers to 100 Numbers to 20 Count in 10s Count in 10s and 1s Recognise 10s and 1s Build a number from 10s and 1s	Unit - 1 Numbers to 100 Use a place value grid Partition numbers to 100 Partition numbers flexibly within 100 Write numbers to 100 in expanded form 10s on a number line to 100	Unit - 1 Numbers to 100 10s and 1s on a number line to 100 Estimate numbers on a number line Compare numbers Order numbers Count in 2s, 3s, 5s and 10s	Unit 2 – Addition and Subtraction (1) Fact families Learn number bonds Add and subtract two multiples of 10 Complements to 100 Add and subtract 1s	Unit 2 – Addition and Subtraction (1) Add by making 10 Add using a number line Add three 1-digit numbers Add to the next 10 Add across a 10	Unit 2 – Addition and Subtraction (1) Subtract across a 10 Subtract from a 10 Subtract a 1-digit number from a 2-digit number across 10 10 more, 10 less Add and subtract 10s	Unit 11 – Time o'clock and half past Quarter past and quarter to Tell time to 5 minutes Minutes in an hour Hours in a day	Unit 3 – Addition and Subtraction (2) Add two 2-digit numbers – add 10s and add 1s Add two 2-digit numbers – add more 10s then more 1s Subtract a 2-digit number from a 2-digit number – not across 10 Subtract a 2-digit number from a 2-digit number – across 10 How many more? How many fewer?	Unit 3 – Addition and Subtraction (2) Subtraction – find the difference Compare number sentences Missing number problems Mixed addition and subtraction Two – step problems	REVISION Reinforce all the concepts taught and revise for the first term exam.	
YEAR 2	WEEK 11- Nov 2nd Week	WEEK 12- Dec 1 and 2rd Week	WEEK 13- Jan 1st Week	WEEK 14- Jan 2nd Week	WEEK 15- Jan 3rd Week	WEEK 16- Jan 4th Week	WEEK 17- Feb 1st Week	WEEK 18 - Feb 2nd Week	WEEK 19- Feb 3rd Week	Week 20 Feb 4th Week	
Term 2	Unit 4 – Properties of shapes Recognise 2D and 3D shapes Count sides on 2D shapes Count vertices on 2D shapes Draw 2D shapes Lines of symmetry on shapes	Unit 4 – Properties of shapes Sort 2D shapes Make patterns with 2D shapes Recognise equal groups Count edges on 3D shapes Count vertices on 3D shapes	Unit 6 – Multiplication and Division (1) Sort 3D shapes Make patterns with 3D shapes The X sign Multiplication sentences Use arrays Make equal groups – grouping Make equal groups – sharing	Unit 6 – Multiplication and Division (1) Tables Block diagrams Draw pictograms (1 to 1) Interpret pictograms (1 to 1)	Unit 7 – Multiplication and Division (2) 2 times table Divide by 2 Double and halve Odd and even numbers 10 times table	Unit 7 – Multiplication and Division (2) Divide by 10 5 times table Divide by 5 Bar modelling – grouping Bar modelling – sharing	Unit 5 – Money Count money - pence Count money - pounds Count money pounds and pence Choose notes and coins Make the same amount	Unit 5 – Money Compare amounts of money Calculate with money Make £1 Find change Two-step problems	Unit 8 – Length and height Measure in cm Measure in m Compare length and height Order lengths and heights Four operations with lengths and heights	Unit 9 – Mass, capacity and temperature Compare mass Measure in grams Measure in kilograms Compare volume and capacity Measure in millilitres	
YEAR 2	WEEK 21- March 1st Week	WEEK 22- March 3rd Week	WEEK 23- March 4th and 5th and April 1st Week	WEEK 24- April 3rd Week	WEEK 25 April 4th Week	WEEK 26 - April 5th Week	Week 27-May 1st Week	Week 28 - June 1st Week	WEEK 29 -June 2nd Week	Week 30- June 3rd and 4th Week	
Term 2	Measure temperature using a thermometer Read thermometers Introducing parts and wholes Equal and unequal parts	Find a half Recognise a quarter Find a quarter Thirds	Unit and non-unit fractions Recognise the equivalence of a half and two quarters Recognise three quarters Count in fractions up to a whole	Tables Block diagrams Draw pictograms (1 to 1) Interpret pictograms (1 to 1)	Interpret pictograms (1 to 2, 5 or 10) Block diagrams Mental additions and subtraction(1) Mental additions and subtraction(2) Efficient subtraction	REVISION	REVISION	Use number facts Use a 100 square Getting started Missing numbers	Solve problems – addition and subtraction Solve problems – multiplication and division Solve problems – using the four operations	Describe movement Describe turns Describe movement and turns Make patterns by turning shapes	
YEAR 3											
YEAR 3	WEEK 1- Aug last/ Sept 1st week	WEEK 2- Sep 2nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4th Week	WEEK 5-Sep 5th/Oct 1st Week	WEEK 6 Oct 2 nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1 st Week	WEEK 10- Nov 2nd Week	
Term 1	Unit 1 - Place value – within 1,000 1. Represent and partition numbers to 100 2. Number line to 100 3. 100s 4. Represent numbers to 1,000 5. Partition numbers to 1,000 6. Partition numbers to 1,000 flexibly	Unit 1 - Place value – within 1,000 1. 100s , 10s and 1s 2. Use number line to 1,000 3. Estimate on a number line to 1,000 4. Find 1 , 10 and 100 more or less 5. Compare numbers to 1,000 6. Order numbers to 1,000 7. Count in 50s	Unit 2 Addition and subtraction (1) 1. Use known number bonds 2. Add /Subtract 1s and 10s 3. Add / Subtract 100s 4. Spot the pattern 5. Add 1s across 10 6. Add 10s across 100 7. Subtract 1s across 10 8. Subtract 1s across 100 9. Make connections	Unit 3 Addition and subtraction (2) 1. Add two numbers 2. Subtract two numbers 3. Add two numbers (across 10) 4. Add two numbers (across 100) 5. Subtract two numbers (across 10) 6. Subtract two numbers (across 100)	Unit 3 Addition and subtraction (2) 1. Add a 3- digit and a 2-digit number 2. Subtract a 2	Unit 4 Multiplication and division (1) 1. Multiplication – equal groups 2. Use arrays 3. Mu	Unit 14 Angles and properties of shapes 1. Turns and angles 2. Right angles in shapes 3. Com	Unit 15 Statistics 1. Interpret Pictograms (1) 2. Interpret Pictograms (2)	REVISION Reinforce all the concepts taught and revise for the first term exam.		
YEAR 3	WEEK 11- Dec 1 st & 2nd Week	WEEK 12- Jan 1 st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1st Week	WEEK 17- Feb 2nd Week	WEEK 18 - Feb 3rd Week	WEEK 19- Feb 4th Week	Week 20 March 1st Week	
Term 2	Unit 5 Multiplication and division (2) 1. Multiply by 3 2. Divide by 3 3. The 3 times-table 4. Multiply by 4 5. Divide by 4 6. The 4 times-table 7. Multiply by 8 8. Divide by 8 9. The 8 times-table 10. Problem solving – Multiplication and division (1) 11. Problem solving - Multiplication and division (2)	Unit 7 Length and perimeter 1. Measure in m and cm 2. Measure in cm and mm 3. Metres , centimetres and millimeters	Unit 7 Length and perimeter 1. Equivalent lengths (m and cm) 2. Equivalent lengths (mm and cm) 3. Compare lengths	Unit 8 Fractions (1) 1. Add lengths 2. Subtract lengths 3. Measure perimeter 4. Calculate perimeter 5. Problem solving –length	Unit 8 Fractions (1) 1. Understand the denominator of unit fractions 2. Compare and order unit fractions 3. Understand the numerator of non-unit fractions 4. Understand the whole	Unit 8 Fractions (1) 1. Compare and order non-unit fractions 2. Divisions on a number line 3. Count in fractions on a number line	Unit 9 Mass 1. Equivalent fractions as bar models 2. Equivalent fractions on a number line 3. Equivalent fractions	Unit 6 Multiplication and division (3) 1. Multiples of 10 2. Related calculations 3. Reasoning about multiplication 4. Multiply 2 digits by 1 digit–no exchange	Unit 6 Multiplication and division (3) 1. Multiply 2 digits by 1 digit – exchange 2. Link mul	Unit 10 Capacity 1. Divide 2 digits by 1 digit with remainders 2. How man	
Year 3	WEEK 21- March 3rd Week	WEEK 22- March 4th & 5th, April 1st Week	WEEK 23- April 3 rd Week	WEEK 24- April 4th Week	WEEK 25 April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2nd Week	WEEK 29 -June 3rd Week	Week 30- June 4th Week	
Term 2	Unit 13 Time 1. Roman numerals to 12 2. Tell the time to 5 minutes 3. Tell the time to the minute 4. Tell the time to the minute 5. Read time on a digital clock	Unit 12 Money 1. Use am and pm 2. Years , months and days 3. Days and hours 4. Hours and minutes – durations 5. Hours and minutes – compare durations 6. Solve problems with time	Unit 11 Fractions (2) 1. Pounds and pence 2. Subtract fractions 3. Add money 4. Calculate perimeter 5. Subtract money	Unit 11 Fractions (2) 1. Add fractions 2. Subtract fractions 3. Partition the whole 4. Problem solving – add and subtract fractions 5. Unit fractions of a set of objects	Unit 11 Fractions (2) 1. Non unit fractions of a set of objects 2. Reason with fractions of an amount 3. Problem solving – fractions of measures	REVISION Reinforce all the concepts taught and revise for the final exam.	REVISION	Unit 9 Mass 1. Use scales2. Measure mass in kilograms and gram	Unit 10 Capacity 1. Measure capacity and volume in litres and millilitre	Unit 10 Capacity 1. Compare capacity and volume2. Add and subtract cap	

YEAR 4 LONG TERM PLAN with CURRICULUM STANDARDS											
YEAR 4	WEEK 1- Aug last & Sep 1st week	WEEK 2- Sep 2nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4th Week	WEEK 5-Sep 5th & Oct 1st Week	WEEK 6 Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1st Week	WEEK 10- Nov 2nd Week	
Term 1	UNIT 1&2 Number & Place Value (24)				UNIT 3 Addition & Subtraction (12)		UNIT 4 Measurement - Area (6)	UNIT 5 Multiplication & Division (6)	UNIT 15 Statistics (6)	REVISION	
	* Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s and 1s) and partition 4-digit numbers. * Use the number line to 1,000. * Identify the multiples of 1000, and skip count in 1,000s.	* Identify, represent and estimate 4 digit numbers using different representations. * Recognise the place value of each digit in a four-digit number (1,000s, 100s, 10s and 1s) and partition 4-digit numbers. * Find 1, 10, 100, 1000 more or less than a given number.	* Use the number line to 10,000 to represent 4-digit numbers. * Identify numbers in between two given numbers. * Find the previous or next multiple of a number. * Estimate numbers on a number line to 10,000. * Count backwards through 0 to include negative numbers.	* Order and compare numbers 10,000. * Round numbers to the nearest 1000, 100 or 10. * Write Roman numerals to 100 and know that over time, the numeral system changed to include the concept of zero and place value.	* Add and subtract in 1s,10s, 100s and 1000s. * Add and subtract two 4-digit numbers using the formal written methods of columnar addition and subtraction with and without exchanges.	* Estimate and use inverse operations to check answers to a calculation. * Solve addition and subtraction problems involving one/ two/ multi-steps and comparison in contexts, deciding which operations and methods to use and why.	* Find the area of rectilinear shapes by counting squares.	* Recall multiplication and division facts for multiplication tables up to 12×12. * Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1 and multiplying three numbers. * Solve related word problems.	* Interpret and present data using appropriate graphical methods. * Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and time/line graphs.	Reinforce all the concepts taught and revise for the first term exam.	
YEAR 4	WEEK 11- Dec 1st & 2nd Week	WEEK 12- Jan 1st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1st Week	WEEK 17- Feb 2nd Week	WEEK 18 - Feb 3rd Week	WEEK 19- Feb 4th Week	Week 20 March 1st Week	
Term 2	UNIT 6 Multiplication & Division (12)		UNIT 7 Measurement - Length & Perimeter (12)		UNIT 8 & 9Fractions (18)			UNIT 10 & 11Decimals (18)			
	* Recognise and use factor pairs and commutativity in mental calculations. * Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.	* Multiply two-digit and three-digit numbers by a one-digit number using formal written layout. * Solve problems involving multiplying and dividing.	* Convert between different units of measure (cm-m / m-km) Work out missing lengths. * Calculate the perimeter of a rectangle, rectilinear shapes and polygons.	* Calculate the perimeter of a rectangle, rectilinear shapes and polygons. * Find the missing lengths in rectilinear shapes.	* Count beyond 1 in fractions. * Partition mixed numbers and use number lines to represent mixed numbers. * Compare and order mixed numbers.	* Convert mixed numbers to improper fractions and improper fractions to mixed numbers. * Recognise and show, using diagrams, families of common equivalent fractions.	* Add and subtract fractions with the same denominator. * Add and subtract fractions with the same denominator. * Solve problems involving fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.	* Recognise and write fraction and decimal equivalents of any number of tenths and hundredths and represent it in place value grids and on number lines. * Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as tenths and hundredths.	* Recognise making wholes using decimal numbers. * Partition decimal numbers identifying the value of the digits in the as tenths and hundredths.	* Compare and order decimals with the same number of decimal places up to 2 decimal places. * Round decimals with 1 or 2 decimal place to the nearest whole number. * Recognise and write decimal equivalents to ¼; ½; ¾.	
YEAR 4	WEEK 21- March 3rd Week	WEEK 22- March 4th and 5th & April 1st Week	WEEK 23- April 3rd Week	WEEK 24- April 4th Week	WEEK 25- April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2nd Week	WEEK 29 - June 3rd Week	Week 30- June 4th Week	
Term 2	UNIT 12 Measurement - Money (12)	UNIT 13 Measurement - Time (12)		UNIT 14 Geometry - Angles & 2D Shapes (6)	UNIT 16 Geometry - Position & Direction (6)	REVISION	YEAR 3 - RECAPITULATION Measurement - Mass & Capacity (6)				
	* Convert between pounds and pence and write money values using decimal numbers. * Estimate, compare and calculate using money in pounds and pence. * Solve simple measure and money problems involving decimals to 2 decimal places.	* Find relations in years, months, weeks, days, hours, minutes and seconds. * Read, write and convert time between analogue and digital 12-hour clocks.	* Read, write and convert time between analogue and digital 12 and 24-hour clocks. * Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days.	* State the types of angles and compare and order angles. * Identify, compare and classify geometric shapes, including quadrilaterals, triangles and polygons, based on their properties. * Identify lines of symmetry in 2-D shapes and complete a simple symmetric figures.	* Describe positions using coordinates in the first quadrant. * Plot specified points and draw to complete a given polygon. * Describe movements between positions as translations of a given unit to the left/ right and up/ down.	Reinforce all the concepts taught and revise for the final exam.	* Measure mass in kilograms and grams. * Find the equivalent masses by converting. * Compare, add and subtract masses in kilograms and grams.	* Measure capacity and volume in litres and millilitres. * Find the equivalent capacities and volumes by converting. * Compare, add and subtract capacity and volume in litres and millilitres.	Clarify misconceptions of objectives/topics from the final examination in order to prepare for the next academic year.		
YEAR 5 LONG TERM PLAN with CURRICULUM STANDARDS											
YEAR 5	WEEK 1- Aug last week/Sept1st	WEEK 2- Sep 2 nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4 th Week	WEEK 5-Sep 5th/ Oct 1st Week	WEEK 6 Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1 st Week	WEEK 10- Nov 2nd Week	
Term 1	Unit 1&2 Place value within 1000,000		Unit 3 Addition and Subtraction	Unit 3 Addition and Subtraction	Unit 4 Multiplication & Division 1	Unit 4 Multiplication & Division 1	Unit 10 Measure: Perimeter and Area (5)	Unit 10 Measure: Perimeter and Area (5)	Unit 11 Graphs and Tables	REVISION	
	•Read, write, order and compare numbers to at least 1,000, 000 and determine the value of each digit. •Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000 •Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000.		•Add and subtract whole numbers with more than 4 digits,including using formal written methods (columnar addition and subtraction) •Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. •Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	•Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	•Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers. •Establish whether a number up to 100 is prime and recall prime numbers up to 19	•Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000 •Recognise and use square numbers and cube numbers, and the notation for squared (x2) and cubed (x3)	•Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres •Calculate and compare the area of rectangles (including squares) including using standard units, square centimetres (cm2) and square metres (m2) and calculate the area of rectilinear shapes	•Calculate and compare the area of rectangles (including squares) including using standard units, square centimetres (cm2) and square metres (m2) and calculate the area of rectilinear shapes.	•Solve comparison, sum and difference problems using information presented in a line graph •Complete, read and interpret information in tables, including timetables.	Reinforce all the concepts taught and discuss the worksheets for first summative exam	
Term 1	YEAR 5	WEEK 11- Dec 1 st& 2nd Week	WEEK 12- Jan 1 st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3 rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1 st Week	WEEK 17- Feb 2 nd Week	WEEK 18 - Feb 3 rd Week	WEEK 19- Feb 4 th Week	Week 20 March1st Week
Term 2	Unit 15 Negative numbers(5)	Unit 7 Multiplication and Division (5)	Unit 7 Multiplication and Division (5)	Unit 5Fractions 1	Unit 5Fractions 1	Unit 6Fractions (2)	Unit 8Fractions 3	Unit8 Fractions 3	Unit 9 Decimals and Percentages (5)	Unit 9 Decimals and Percentages (5)	
	•Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0	•Multiply numbers up to 4 digits by a one or two-digit number using a formal written method, including long multiplication for two-digit numbers	•Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context •Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes	•Compare and order fractions whose denominators are all multiples of the same number •Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.	•Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.	•Add and subtract fractions with the same denominator and denominators that are multiples of the same number□	•Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams •Find fractions of an amount. "□	•Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams •Find fractions of an amount. "□	•Recognise the per cent symbol (%) and understand that per cent relates to “number of parts per 100”, and write percentages as a fraction with denominator 100, and as a decimal fraction •Solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and fractions with a denominator of a multiple of 10 or 25. "□	•Read and write decimal numbers as fractions •Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents •Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place •Read, write, order and compare numbers with up to 3 decimal places”□	
Term 2	YEAR 5	WEEK 21- March 3rd Week	WEEK 22- March 4th & 5th, April1st Week	WEEK 23- April 3 rd Week	WEEK 24- April 4th Week	WEEK 25 April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2 nd Week	WEEK 29 -June 3 rd Week	Week 30- June 4th Week
Term 2	Unit 14 Decimals (5)	Unit 12Geometry: Properties of shape (5)		Unit 12Geometry: Properties of shape (5)	Unit 13 Geometry: Position and Direction (5)	Unit 16&17 Measure: Converting units & Volume	REVISION	REVISION			
	•Solve problems involving addition and subtraction of decimal number up to 3 decimal places.	•Know angles are measured in degrees: Estimate and compare acute, obtuse and reflex angles •Draw given angles, and measure them in degrees (°) •Identify: □Angles at a point and 1 whole turn (total 360°) □Angles at a point on a straight line and half a turn (total 180°) □Other multiples of 90°		•Identify 3-D shapes, including cubes and other cuboids, from 2-D representations •Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	•Plot and find coordinates of a reflected point on a grid. •Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.	•Convert between different units of metric measure. • Estimate volume and capacity •Calculate volume”□	Reinforce all the concepts taught and discuss the worksheets	Reinforce all the concepts taught and discuss the worksheets			

YEAR 6 LONG TERM PLAN with CURRICULUM STANDARDS										
YEAR 6	WEEK 1- Aug last week/Sept1st	WEEK 2- Sep 2 nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4 th Week	WEEK 5-Sep 5th/ Oct 1st Week	WEEK 6 Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1 st Week	WEEK 10- Nov 2nd Week
Term 1	Unit 1Place value within 1000,000		Unit 2Four Operations	Unit 3Four Operations	Unit 4Fractions 1	Unit 4Fractions 1	Unit 12Statistics	Unit 13Properties of shape	Unit 13Properties of shape	REVISION
	- Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit - Round any whole number to a required degree of accuracy - Use negative numbers in context, and calculate intervals across 0		- Perform mental calculations, including with mixed operations and large numbers. - Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. - Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3). - Identify common factors, common multiples and prime numbers.	- Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication - Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context. - Use their knowledge of the order of operations to carry out calculations involving the 4 operations - Solve problems involving addition, subtraction, multiplication and division	Use common factors to simplify fractions; use common multiples to express fractions in the same denominator	Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	- Interpret and construct line graphs & bar graphs and use these to solve problems - Calculate and interpret the mean as an average.	- Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. - Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	- Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. - Draw 2-D shapes using given dimensions and angles. - Recognise, describe and build simple 3-D shapes, including making nets.	Reinforce all the concepts taught and discuss the worksheets for first summative exam
YEAR 6	WEEK 11- Dec 1 st& 2nd Week	WEEK 12- Jan 1 st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3 rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1 st Week	WEEK 17- Feb 2 nd Week	WEEK 18 - Feb 3 rd Week	WEEK 19- Feb 4 th Week	Week 20 March1st Week
Term 2	Unit 6Meaurement: Converting units	Unit 5Fractions 2	Unit 7Ratio and Proportion	Unit 7Ratio and Proportion	Unit 11 Measure: Area, Perimeter & Volume	Unit 11 Measure: Area, Perimeter & Volume	Unit 8Algebra	Unit 8Algebra	Unit 8Algebra	Unit 9Decimal
	- Solve problems involving the calculation and conversion of units of measure, using decimal notation up to 2 decimal places where appropriate. - Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 decimal places. - Convert between miles and kilometres	- Multiply simple pairs of proper fractions, writing the answer in its simplest form - Divide proper fractions by whole numbers	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.	- Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples. - Solve problems involving similar shapes where the scale factor is known or can be found.	- Recognise that shapes with the same areas can have different perimeters and vice versa. - Calculate the area of parallelograms and triangles.	- Recognise when it is possible to use formulae for area and volume of shapes - Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units	Express missing number problems algebraically.	Use simple formulae.Write and solve algebraic equations	- Generate and describe linear number sequences. - Find pairs of numbers that satisfy an equation with two unknowns.	- Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction. - Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers are up to three decimal places.
YEAR 6	WEEK 21- March 3rd Week	WEEK 22- March 4th & 5th, April1st Week	WEEK 23- April 3 rd Week	WEEK 24- April 4th Week	WEEK 25 April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2 nd Week	WEEK 29 -June 3 rd Week	Week 30- June 4th Week
Term 2	Decimal (5)	Unit 10 Percentage	Unit 10 Percentage	Unit 12 Statistics	Unit 14 Geometry: Position and Direction	REVISION	REVISION			
	Solve problems which require answers to be rounded to specific degrees of accuracy. Multiply 1-digit numbers with up to two decimal places by whole numbers.	Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts	Find percentages of an amount.	Interpret and construct pie charts and line graphs and use these to solve problems.	- Describe positions on the full coordinate grid (all 4 quadrants) - Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. - Describe positions on the full coordinate grid (all 4 quadrants) - Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.	Reinforce all the concepts taught and discuss the worksheets	Reinforce all the concepts taught and discuss the worksheets .			
YEAR 7 LONG TERM PLAN with CURRICULUM STANDARDS										
YEAR 7	WEEK 1- Aug last/ Sept 1st week	WEEK 2- Sep 2nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4th Week	WEEK 5-Sep 5th Week/Oct 1st	WEEK 6 Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1st Week	WEEK 10- Nov 2nd Week
Term 1	Number skills -Core 1 & 2	Number skills -Core 1 & 2	Number skills -Core 1 & 2	Lines & Angles	Lines & Angles	Equations, functions and formulae-	Equations, functions and formulae	Unit 4 - Expressions and equations	Area & Volume	
	Factors, multiples and primes (2.7 & 1.6). Roman numerals	Negative numbers (2.6 & 1.3). Square numbers (2.8).	Powers and roots (1.4) . Powers, roots and brackets(1.5).	Calculating angles(8.4),Angles in a triangle(8.5),Quadrilaterals (8.6&7.1),Angles in a parallel lines(7.3)	Alternate angles and proof(7.2).Exterior and interior angles(7.4), Solving geometric problems(7.5).	Functions (3.1), Simplifying expressions 1 & 2 (3.2 & 3.3),Writing expressions (3.4),Substituting into formulae (3.5).	Writing Formulae,Algebraic powers (4.1). Expressions and brackets (4.2).	Factorising expressions (4.3). One step equations(4.4). Two step equations(4.5). The balancing method (4.6)	Area of a triangle (2.1). Area of a parallelogram and trapezium(2.2), Perimeter(4.6),Area (4.7)	Reinforce all the concepts taught and discuss the worksheets for first summative exam
YEAR 7	WEEK 11- Dec 1 and 2nd Week	WEEK 12- Jan 1st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1st Week	WEEK 17- Feb 2nd Week	WEEK 18 - Feb 3rd Week	WEEK 19- Feb 4th Week	Week 20 -March 1st Week
Term 2	Unit5 -Fractions & Percentages	Unit5 -Fractions & Percentages	Unit5 -Fractions & Percentages	Unit5 -Fractions & Percentages	Unit4 Decimals and measures	Unit4 Decimals and measures	Unit 7- Ratio & Proportion	Unit 7- Ratio & Proportion	Area & Volume	Lines and Angles
	Comparing fractions (5.1). Simplifying fractions(5.2). Working with fractions (5.3). Fractions and decimals (5.4)	Understanding percentages (5.5).Percentages of amounts (5.6).	Ordering Fractions (8.1). Adding and subtracting fractions (8.2) .	Multiplying Fractions (8.3). Dividing fractions (8.4). Calculating with mixed numbers (8.5).	Decimals ordering and rounding(4.1 & 6.1), Working with decimals(4.5).Calculations with decimals(6.3).	Length , mass and capacity(4.2), Scales and measures(4.3),More units of measures(4.8).	Direct proportion(7.1). Writing ratios(7.2),Using ratios(7.3).	Ratios, Proportions and Fractions(7.4). Proportions and Percentages(7.5) ,Ratio and proportion with decimals(6.4).	Surface area of cubes and cuboids(2.5), Measures(2.6)Volume of cubes and cuboids(2.3),2D representations of 3D solids(2.4)	Measuring and drawing angles(8.1), Lines, angles and triangles(8.2).Drawing triangles accurately.
YEAR 7	WEEK 21- March 3rd Week	Eek 22- March 4th and 5th and April 1st We	WEEK 23- April 3rd Week	WEEK 24- April 4th Week	WEEK 25-April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2nd Week	WEEK 29 -June 3rd Week	Week 30- June 4th Week
Term 2	Unit 9-Sequences and graphs	Unit1-Analysing and displaying data	Unit1-Analysing and displaying data	Unit6-Probability	Unit 10- Transformations-core-2					
	Sequences(9.1), Pattern sequences(9.2), Coordinates and mid points(9.3).Extending sequences(9.4), Straight line graphs(9.5), Position - to - term rules(9.6)	Mode, median and range(1.1), Displaying data(1.2), Grouping data(1.3).Averages and comparing data(1.4 &3.4).	Pie charts(3.1), Using tables (3.2), Missing leading graph(3.6)	The language of probability(6.1), Calculating probability(6.2), More probability calculations(6.3),Experimental probability(6.4), expected outcomes(6.5)	Congruency and enlargements (10.1),symmetry (10.2), Reflection,Rotation (10.4),Translations and combined transformations(10.5)	Reinforce all the concepts taught and discuss the worksheets including revision topic				
YEAR 8 LONG TERM PLAN with CURRICULUM STANDARDS										
YEAR 8	WEEK 1- Aug last week/Sep 1st Week	WEEK 2- Sep 2nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4th Week	WEEK 5-Sep 5th/Oct 1st Week	WEEK 6-Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1st Week	WEEK 10- Nov 2nd Week
Term 1	UNIT 1: Number - Unit 1.3 to 1.6 Revision(Core 2)	UNIT 1: Indices and standard form - Unit 1.1 and 1.2 (Core 3)	UNIT 1: Indices and standard form - Unit 1.3 and 1.4 (Core 3)	UNIT 2: Expressions and formulae - UNIT 2.1 to 2.3(Core 3)	UNIT 2: Expressions and formulae - UNIT 2.4 to 2.6 (Core 3)	UNIT 7: Circles, Pythagoras and Prisms 7.1 to 7.3 (Core 3)	UNIT 7: Circles, Pythagoras and Prisms 7.4 to 7.5 (Core 3)	UNIT 10: Percentages, decimals and fractions(Core 2) - UNIT 10.1 to 10.4	UNIT 4: Multiplicative reasoning (Core 3) - Unit 4.3 and 4.5 (5 lessons)	Revision - First term Exam topics
	Calculating with negative integers. Powers and roots. Powers, roots and brackets.	More powers, multiples and factors. Indices. Calculations and estimates.	More indices. Standard form. significant figures	Solving equations. Substituting into expressions. Writing and using formulae.	Using and rearranging formulae. Index laws and brackets. Expanding double brackets.	Circumference of a circle. Area of a circle. Area of the sector and arc length. Pythagoras' theorem.	Volume and Surface Area of triangular Prisms and cylinders.	Fractions and decimals. Equivalent proportions. Writing percentages. Percentages of amount.	Percentage change. Repeated percentage change	Revision topics- Ratio and proportion, Sequences and Patterns, First term examrevision worksheet
YEAR 8	WEEK 11- Dec 1 and 2rd Week	WEEK 12- Jan 1st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1st Week	WEEK 17- Feb 2nd Week	WEEK 18 - Feb 3rd Week	WEEK 19- Feb 4th Week	Week 20 -March 1st Week
Term 2	UNIT 4: Multiplicative reasoning Unit 4.1 and 4.2(Core 3)	UNIT 9: Straight line Graphs - UNIT 9.2 and 9.3(Core 2)	UNIT 8: Graphs- UNIT 8.1 and 8.2 (Core 3)	UNIT 6: Sequences, Inequalities, equations and proportion- Unit 6.4 and 6.5(Core 3)	UNIT 8: Graphs - UNIT 8.3 (Core 3)	Unit 9: PROBABILITY (Core 3) - Unit 9.1 and 9.2	UNIT 9: PROBABILITY (Core 3) - Unit 9.3 and 9.4	Unit 3: Dealing with Data - Unit 3.3 and 3.4 (Core 3)	Unit 3: Dealing with Data - Unit 3.5 (Core 3)	UNIT 5: Real life graphs (Core 2) - UNIT 5.2 to 5.3
	Transformations- translation, reflection, rotation,enlargement.	Gradient (plot straight line graphs and work out the gradient). Equation of straight lines.	Using y=mx+c (equations of parallel lines). Compare graph lines using equations	Solving equations with fractions. Proportion Conversion graphs.	Simultaneous equations(by drawing graphs and solving equations).	Mutually Exclusive events. Experimental and theoretical probability.	Sample space diagrams. Two-way tables.	Calculating averages(find median and estimate mean). Displaying and analysing data.	Presenting and comparing data. Mean, range and mode.	Distance time graphs(draw, interpret and use distance time graph). Line graphs.

YEAR 8	WEEK 21- March 3rd Week	EEK 22- March 4th and 5th and April 1st We	WEEK 23- April 3rd Week	WEEK 24- April 4th Week	WEEK 25-April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2nd Week	WEEK 29 -June 3rd Week	Week 30- June 4th Week
Term 2	UNIT 5: Real life graphs (Core 2) - UNIT 5.4 to 5.5	UNIT 10: Comparing shapes - Unit 10.1 (core 3)	UNIT 10: Comparing shapes - Unit 10.2 (core 3)(5 lessons)	UNIT 5: Constructions (Core 3) - Unit 5.1 and 5.2	UNIT 5: Constructions (Core 3) - Unit 5.3 and 5.4	Revision				
	More line graphs. Real life graphs(linear and non-linear)	Congruent and similar shapes(Use congruent shapes to solve problems).	Ratios in triangles(Solve problems involving similiar triangles).	Using scales. Draw diagrams to scale. -Basic constructions(Perpendicular bisector and angle bisector)	Using accurate scale diagrams to solve problems. Draw locus.	Angles and parallel lines - revision. Angles in a triangle and Polygon. Final Term Revision Worksheet				
YEAR 9 LONG TERM PLAN with CURRICULUM STANDARDS										
YEAR 9	WEEK 1- Aug last week/Sept1st	WEEK 2- Sep 2 nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4 th Week	WEEK 5-Sep 5th/ Oct 1st Week	WEEK 6 Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1 st Week	WEEK 10- Nov 2nd Week
Term 1	UNIT 1 Number		UNIT 1 Number	UNIT 1 Number + UNIT 2 Algebra	UNIT 2 Algebra	UNIT 2 Algebra	UNIT 2 Algebra + UNIT 5 Angles and TIT 3 Interpreting and representing data	UNIT 4 Fractions , Ratio and Percentages		
	Place value and estimating/ HCF and LCM/Calculating with powers (Indices). Introduction to Trigonometric ratios		Zero, negative and fractional indices Standard form. Calculations with Standard form.	Surds. Algebraic indices	Expanding brackets. Factorising algebraic expressions.Solving equations. Substituting numbers into formulae.	Rearranging formulae. Linear sequences. Geometric sequences. Fibonacci like sequences. Expand the product of two brackets.	Factorising quadratic exptessions.Trigonometric ratios to find lengths and angle in a right angled triangle. Angles of elevation and angles of depression.	Two -way tables.Mean and range from a grouped frequency table. Modal class and the group containing the median.	Operations on fractions and mixed numbers. Ratios. Direct proportion. Percentage increase and decreases. Fractions , decimals and percentages. Recurring decimal to fraction. Solve real - life problems involving percentages.	Revision for First Term Exam
YEAR 9	WEEK 11- Dec 1 st& 2nd Week	WEEK 12- Jan 1 st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3 rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1 st Week	WEEK 17- Feb 2 nd Week	WEEK 18 - Feb 3 rd Week	WEEK 19- Feb 4 th Week	Week 20 March1st Week
Term 2	UNIT 3 Interpreting and representing data □	UNIT 3 Interpreting and representing data + UNIT 6 Graphs □	UNIT 6 Graphs	UNIT 6 Graphs + UNIT 7 Area and Vol	UNIT 7 Area and Volume □	UNIT 7 Area and Volume □	UNIT 7 Area and Volume + UNIT 8 T	UNIT 8 Transformations and Construe	UNIT 8 Transformations and Construct	UNIT 9 Equations and Inequalities
	Back - to - back stem and leaf diagrams. Frequency polygons. Time series graphs.Moving averages.	Scatter graphs and line of best fit. Gradient and y - intercept from a linear equation. Plot graphs with equations ax + by = c.	Equation of a line given its gradient and one point on the line. Gradient of a line . Distance- time graphs.Velocity time graphs. Real- life linear graphs. To recognise direct proportion.	Midpoint and Length of a line segment. Parallel or perpendicular lines. To identify quadratic graphs. Area and perimeter of compound shapes.	Units and Accuracy. Volumes and surface areas of prisms. Area and circumference of a circle.	Arc lengths , angles and areas of sectors of circles. Volume and surface area of cylinders and spheres.	Volume and surface area of pyramids and cones.Plans and elevations of 3D solids. Rotations, and enlargements,	Scales on maps and scale drawings .Bearings	Perpendicular bisector . Angle bisector.	To solve quadratic equations by factorising . To rearrange and solve simple quadratic equations.
YEAR 9	WEEK 21- March 3rd Week	WEEK 22- March 4th & 5th, April1st Week	WEEK 23- April 3 rd Week	WEEK 24- April 4th Week	WEEK 25 April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2 nd Week	WEEK 29 -June 3 rd Week	Week 30- June 4th Week
	UNIT 9 Equations and Inequalities + UNIT 15	UNIT 9 Equations and Inequalities	UNIT 10 Probability □	UNIT 5 Angles and Trigonometry	Revision					
	To solve simultaneous equations where both equations are multiplied. To solve a pair of simultaneous equations graphically .	To solve inequalities and show the solutions on a number line. To find integer values to satisfy inequalities.	Probability Revision. To calculate probabilities of repeated events. To draw and use probability tree diagrams.	Congruent triangles.Similar shapes. Angle properties of triangles and quadrilaterals. Interior and exterior angles of polygons.	Reinforce all the concepts taught and discuss the revision worksheet for the final exam.					
YEAR 10 LONG TERM PLAN with CURRICULUM STANDARDS										
YEAR 10	WEEK 1- Aug last week/ Sept 1 st	WEEK 2- Sep 2 nd Week	WEEK 3- Sep 3 rd Week	WEEK 4- Sep 4 thWeek	WEEK 5-Sep 5th /Oct 1 stWeek	WEEK 6 Oct 2 nd Week	WEEK 7 - Oct 4 th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1 st Week	WEEK 10- Nov 2 nd Week
Term 1	Unit 1.1/Unit 2.6 Algebra/Unit 9.- Equations and Inequalities		Unit 9.- Equations and Inequalities	Unit 6/Unit 15 Equations and Graphs(6)	Unit 6 Graphs	Unit 13 More Trigonometry(6)	Unit 13 More Trigonometry(6)	Unit 16 Circle theorems(6)	Unit 16 Circle theorems(6)	Revision for First Term Exam
	Unit 1.1 Product rule. Work out the total number of ways performing a series of tasks. Unit 2.6 Find the nth term of a quadratic sequence (2.6).Solve quadratic equations by factorisation, use the quadratic formula. Unit 9.1&9.2		Solve quadratic equations using completing the square, word problems on solving quadratic equations.(9.3).	Recognise and draw quadratic functions. Find approximate solutions to quadratic equations graphically.(6.6,15.3-15.4)	To draw cubic and reciprocal graphs.Interpret linear and non linear real life graphs.(6.7& 6.8)	Find the area of a triangle and a segment of a circle. Use the sine rule to solve 2D problems.(13.5)	Use the cosine rule to solve 2D(13.6) Solve bearings problems using trigonometry. (13.6)	Understand about tangents at a point and from a point. Prove and use facts about angles subtended at the centre and the circumference, angle in a semicircle and angles subtended at the circumference of a circle(16.1,16.2)	Understand, prove and use facts about cyclic quadrilaterals and alternate segment theorem.Solve angle problems using circle theorems.Equation of the tangent to a circle at a given point.(16.3,16.4)	Revision for First Term Exam
YEAR 10	WEEK 11- Dec 1 st& 2nd Week	WEEK 12- Jan 1 st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3 rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1 st Week	WEEK 17- Feb 2 nd Week	WEEK 18 - Feb 3 rd Week	WEEK 19- Feb 4 th Week	Week 20 March1st Week
Term 2	Unit 12 Similarity and congruence(6)	Unit 12 Similarity and congruence(6)	Unit 12 Similarity and congruence(6)	Unit 9/Unit 15 Equations and Graphs(6)	Unit 9 /Unit 15 Equations and Inequalities.	Unit 15 Equations andGraphs(6)	Unit 10 Probability(6)	Unit 10 Probability(6)	Unit 11 Multiplicative reasoning(6)	Unit 11 Multiplicative reasoning(6)
	To show that two triangles are congruent.To know the conditions of congruence.To prove shapes are congruent.To solve problems involving congruence(12.1-12.2). To use the ratio of corresponding sides to work out scale factors	To use the ratio of corresponding sides to work out scale factors.To find missing lengths on similar shapes	Use the link between linear scale factor and area scale factor to solve problems. Use the link between scale factors for length, area and volume to solve problems .	Solving linear inequalities (9.7). Solving inequalities graphically(15.2)	Solving Quadratic Inequalities.Solve linear and quadratic simultaneous equations algebraically (9.6)	Solve linear and quadratic simultaneous equations graphically(15.2)	Draw and use tree diagrams without replacement. Use two-way tables to calculate conditional probability	To calculate conditional probability using Venn diagrams and use set notations.	Find an amount after repeated percentage changes. growth and decay, rates. Convert metric speed measures. Compound measures.	Solve problems involving compound measures. Use relationships involving ratio. Use direct and indirect proportion .
YEAR 10	WEEK 21- March 3rd Week	WEEK 22- March 4th & 5th, April1st Week	WEEK 23- April 3 rd Week	WEEK 24- April 4th Week	WEEK 25 April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2 nd Week	WEEK 29 -June 3 rd Week	Week 30- June 4th Week
Term 2	Unit 18 Vectors and geometric proof (6)	Unit 18 Vectors and geometric proof (6)	Unit 18 Vectors and geometric proof (6)	Unit 14 Further Statistics(6)	Unit 14 Further Statistics(6)	Revision for Final Exam				
	Understand and use vector notation. Calculate using vectors and represent the solutions graphically. Calculate the resultant of two vectors.	Use the resultant of two vectors to solve vector problems. Express points as position vectors	Prove lines are parallel. Prove points are collinear Solve geometric problems in two dimensions using vector methods. Apply vector methods for simple geometric proofs.	Understand simple random sample and stratified sample. Draw and interpret cumulative frequency tables.	Work out the median, quartiles and interquartile range from a cumulative frequency diagram. Draw and interpret box plots. (14.1 - 14.3)	Revision for Final Exam				
GL practice										
YEAR 11	WEEK 1- Aug last week/Sep 1st Week	WEEK 2- Sep 2nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4th Week	WEEK 5-Sep 5th/Oct 1st week	WEEK 6 Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1st Week	WEEK 10- Nov 2nd Week
Term 1	More TrigonometryUnit 13.5 to 13.7	More Trigonometry Unit 13.2 to 13.4	Proportion and Graphs UNIT 17.7 and UNIT19.6	Proportion and Graphs Unit19.6,19.7	More Trigonometry UNIT13.8, 13.9	Proportion and Graphs Unit 19.4 and 19.5	Further Statistice Unit 14	Proportion and Graphs Unit 19.1 to 19.3	Equations and Graphs Area and Volume Unit 15 and Unit 7	Revision
	Revise Sine Rule, Cosine Rule and Area of triangle and use these rules in 2D problems Use Pythagoras Theorem and Trigonometry in 3D	Graphs of sine, cosine and tangent functions.	Use Function notation .Find composite and Inverse functions Translating graphs of functions	Reflecting and stretching graphs of functions	Transforming graphs of Trigonometric Functions	Exponential Function, Calculating the gradient of a tangent at any point and estimating the area under a curve	Drawing and interpreting cumulative frequency curve, Histograms, comparing and describing population	Direct and Inverse Proprtion	Solving equations by using iterative process. To do problems involving area snd volume of solids such as cone, spheres ,pyramids etc	Reinforcing all the concepts done and discussion of past papers
YEAR 11	WEEK 11- Dec1st & 2nd Week	WEEK 12- Jan 1st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3rd Week	WEEK 15- Jan 4th Week	WEEK 16 - Feb 1st Week	WEEK 17- Feb 2nd Week	WEEK 18 - Feb 3rd Week	WEEK 19- Feb 4th Week	Week 20 March 1st Week
Term 2	More Algebra Unit 17.1,17.5	More Algebra Unit 17.2 to 17.4,17.6	More Algebra Unit 17.8	Circle theorems Unit 16	Vector Geometry Unit 18	Vector Geometry Unit 18	Probability Unit 10	Similarity and Congruence Unit 12	REVISION	
	Rearranging formulae, Simlfying expressions involving surds and rationalising the denominator of a fraction	Simplifying Algebraic Fractions, solving equations involving algebraic fractions	Prove a result using Algebra	To prove and apply all the circle theorems . Solve problems involving chords and radii.Understand , prove and use facts about the angle subtended at the centre and the circumference , angle in a semi circle, cyclic quadrilateral, alternate segment theorem. Find the equation of a tangent to a circle at a given point	Vector notation, Vector arithmetic, parallel and collinear vectors	vector Geometry - solving geometric problems	Mutually exclusive and Independent events, Experimental probability, Tree diagrams, Conditional probability and venn diagrams	Geometric proof and congruence, Find missing lengths on similar triangles, Use the links between scale factors for lenth, area and volume to solve problems	Reinforcing all the concepts taught. Disussion of past mock and board papers.	

YEAR 11	WEEK 21- March 3rd Week	WEEK 22- April 1st Week	WEEK 23- April 3rd Week	WEEK 24- April 4th Week	WEEK 25 April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2nd Week	WEEK 29 -June 3rd Week	Week 30- June 4th Week
Term 2										
YEAR 12 LONG TERM PLAN with CURRICULUM STANDARDS										
YEAR 12	WEEK 1- Aug last/Sept 1st week	WEEK 2- Sep 2nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4th Week	WEEK 5-Sep 5th /Oct 1st Week	WEEK 6 Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1st Week	WEEK 10- Nov 2nd Week
	Algebraic Expressions(3)	Quadratics(3)	Equations and inequalities(3)	Graphs and Transformations (3)	Straight Line Graphs(3)	Circles(3)	Circles(2) & Algebraic Methods(1)	Algebraic Methods(3)	Trigonometric Ratios(3)	REVISION(First Term Exam Topics)
	Expanding Brackets and Factorising, Index Laws, Negative and Fractional Indices, Surds and Rationalising denominators	Solving Quadratic Equations by (i) Factorising (ii)Quadratic Formula, iii)Completing the square, Functions and Sketching Quadratic graphs. Finding the nature of roots using Discriminant, Modelling with quadratics,	Solving Linear simultaneous equations, Quadratic Simultaneous equations. Representing simultaneous equations on graphs, Solving Linear Inequalities, Quadratic inequalities, Inequalities on graphs, Regions.	Sketching cubic graphs, Reciprocal Graphs, Sketching Quartic Graphs, Sketching graphs to find point of intersection. Translation of graphs, Stretching and reflecting Graphs, Transforming functions.	Finding Gradient and Equation of straight line. 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; Algebraic fractions.	Dividing polynomials, Factor theorem, Mathematical Proof, Methods of Proof	Cosine Rule , Sine Rule. Area of triangle, Solving triangle problems, Graphs of Sine, Cosine, Tangent, Transforming trigonometric graphs	Reinforce all the concepts taught and discuss the worksheets for first summative exam
Term 1	Data collection(3)	Measures of location and spread(3)	Measures of location and spread(3)	Measures of location and spread(2) Representation of data(1)	Representation of data(3)	Representation of data(3)	Correlation(3)	Probability(3)	Probability(3)	REVISION(First Term Exam Topics)
	Population and samples, Sampling, Non random sampling, Types of data, Large data set.	Measure of central tendency: Mean Median Mode. Other Measures of location-Quartiles, Percentiles.	Measures of spread, Variance and standard deviation	Finding mean and standard deviation using Coding. Outliers in a Data.	Draw and Interpret Box Plots and Cumulative Frequency.	Histogram with unequal intervals and Comparing data.	Scatter Diagram and Correlation, Linear regression. Interpretation of regression line and gradient.	Calculating Probabilities and Venn Diagrams. Mutually exclusive and Independent events.	Tree diagrams and Conditional Probability	Reinforce all the concepts taught and discuss the worksheets for first summative exam
YEAR 12	WEEK 11- Dec 1st/2nd Week	WEEK 12- Jan 1st Week	WEEK 13- Jan 2nd Week	WEEK 14- Jan 3rd Week	WEEK 15- Jan 4th Week	WEEK 16- Feb 1st Week	WEEK 17- Feb 2nd Week	WEEK 18 - Feb 3rd Week	WEEK 19- Feb 4th Week	Week 20 March 1st Week
Term 2	Binomial Expansion(3)	Binomial Expansion(2) & Trigonometric Identities and Equations(1)	Trigonometric Identities and Equations(3)	Trigonometric Identities and Equations(2) Vectors(1)	Vectors(3)	Differentiation (3)	Differentiation (3)	Differentiation (3)	Integration(3)	Integration(3)
	Pascal's Triangle, Factorial Notation and Binomial Expansion,	Solving binomial problems, Binomial Estimation. Angles in all four quadrants, Exact value of trigonometrical ratios	, Trigonometric identities. Simple trigonometric equations, Harder trigonometric equations.	Equations and Identities. Vector notation, Representing as column vectors, Magnitude and direction	Position vectors.Solving geometric problems, modelling with vectors	Gradient of curve, Finding the derivative, Differentiating x^n. Differentiating quadratics, functions with two or more terms, Tangents and normals	Increasing and decreasing functions, Second order derivatives, Stationary points, Maximum and minimum points	Sketching gradient functions, Modelling with differentiation.	Integrating x^n, Indefinite integrals, Finding functions using integration	Definite integrals, Areas under the curve, Areas under the x axis
	Statistical Distributions(3)	Statistical Distributions(3)	Hypothesis Testing(3)	Hypothesis Testing(3)	Hypothesis Testing(3)	Regression, Correlation and Hypothesis Testing(3)	Regression, Correlation and Hypothesis Testing(3)	Conditional Probability(3)	Conditional Probability(3)	Conditional Probability(3)
	Probability Distributions	Binomial Distribution, Cumulative Probabilities	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.	Conditional Probabilities in Ven diagrams. Probability Formulae.	Conditional Proabilities in Tree Diagrams.
YEAR 12	WEEK 21- March 3 rd Week	WEEK 22-March 4th, 5th/Apr 1st Week	WEEK 23- April 3rd Week	WEEK 24- April 4th Week	WEEK 25 April 5th Week	WEEK 26 - May 1st Week	Week 27-June 1st Week	Week 28 - June 2nd Week	WEEK 29 -June 3rd Week	Week 30- June 4th Week
Term 2	Integration(3)	Exponentials and Logarithms(3)	Exponentials and Logarithms(3)	Exponentials and Logarithms(3)	REVISION for Final Exam	REVISION for Final Exam	Algebraic Methods(6)	Radian Measure(6)	Radian Measure(2) & Binomial Expansion (4)	Binomial Expansion (6)
	Area between curve and line & Exponential Functions	Graph of y = e^x, Exponential modelling, Logarithms.	Laws of logarithms , Solving equations using logarithms.	Working with natural logarithms, Logarithms and non linear data.	Reinforce all the concepts taught and discuss the Revision Worksheet for the final exam.(Pure Maths)	Reinforce all the concepts taught and discuss the past paper questions for the final exam.(Pure Maths)	Algebraic fractions, Partial Fractions, Repeated Factors and Algrbraic division	Radian Measure, Arc length. Area of sector and segment, Solving trigonometric equations.	Small Angle Approximation. Expanding (1+x)^n and (a+bx)^n.	Binomial Expansion Using partial fraction.
	Normal Distribution(3)	Normal Distribution(3)	Normal Distribution(3)	Normal Distribution(3)	REVISION for Final Exam	REVISION for Final Exam				
	Understanding normal distribution and its characteristics and Finding probabilities for normal distribbutions.	Inverse normal distribution function and Standard Normal Distribution.	Finding μ and σ . Approximating a Binomial Distribution.	Hypothesis Testing with the Normal Distribution.	Reinforce all the concepts taught and discuss the Revision Worksheet for the final exam.(Statistics)	Reinforce all the concepts taught and discuss the past paper questions for the final exam.(Statistics)				
YEAR 13 LONG TERM PLAN with CURRICULUM STANDARDS										
YEAR 13	WEEK 1- Aug last /Sept 1st	WEEK 2- Sep 2nd Week	WEEK 3- Sep 3rd Week	WEEK 4- Sep 4th Week	WEEK 5-Sep 5th/ Oct 1st Week	WEEK 6 Oct 2nd Week	WEEK 7 - Oct 4th Week	WEEK 8- Oct 5th Week	WEEK 9- Nov 1st Week	WEEK 10- Nov 2nd Week
Term 1	Algebraic Methods(2) & Functions and graphs(1)	Functions and graphs(3)	Functions and graphs(1) & Sequences and series(2)	Sequences and series(3)	Trigonometric Functions(3)	Trigonometric Functions(1) & Trigonometry and modelling(2)	Trigonometry and modelling(3)	Trigonometry and modelling(1) & Differentiation (2)	Differentiation (3)	Revision
	Proof by contradiction & The modulus fuction (2.1)	Functions and mappings (2.2), Sketching modulus functions(2.5), Composite functions(2.3), inverse functions(2.4) and Combining transformations(2.6)	Solving modulus problems & Arithmetc Sequence and series, Geometric sequence and series, Sum to infinity.	Sigma Notation, recurrence relation and Modelling with series	Secant, Cosecant and Cotangent functions, Sketching and using Graphs of Sec x, Cosec x and Cot x in Trigonometric identities.	Inverse trigonometric functions & Using Angle Addition Formula and Double angle formula.	Solving trigonometric equations. Simplifying a $\cos x \pm b \sin x$, Proving trigonometric identities	Modelling with trigonometric functions & Differentiating exponentials and logarithms and trigonometric funtions. Chain rule, Product rule, Quotient rule	Parametric Differentiation, Implicit Differentiation using second derivatives, Rates of change.	
	Modelling in Mechanics(2) & Constant Acceleration(1)	Constant Acceleration(3)	Constant Acceleration(1) & Forces and Motion(2)	Forces and Motion(3)	Forces and Motion(3)	Variable Acceleration(3)	Variable Acceleration(1) & Moments(2)	Moments(3)	Moments(3)	Revision
	Constructing a model and modelling assumptions, Quantities and units and working with vectors & Displacement-time graph	Velocity-time graph, Constant Acceleration Formula 1 and 2	Vertical motion under gravity & Force diagrams, Forces and vectors,	Force and Acceleration, Motion in 2 dimensions	Connected Particles and Pulleys.	Functions of time using differentiation, Maxima and Minima problems, Using Integration	constant acceleration formulae & Moments, Resultant Moments.	Equilibrium and Centre of mass.	Tilting	

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