Students will study one unit every half term. The units and timings are as follows:

Autumn term – unit A and B
Spring term – unit C and D
Summer term – unit E and F

The APP (Assessing pupil progress) sheets have all the topics your child will be studying in that half term. Accompanying the topics are MathsWatch clips which will help them to clarify their learning. MathsWatch CD's are available to buy from school from the reprographics department.

Unit A

UNIT A TEST:

Colour the column green if you can do it in class, orange if you can do some, red if you feel you cannot understand any.

The codes are for the **KS3 Maths Watch CD-ROM.**

You must write Book of Power notes for the topics which are typed in bold below.

I can add and subtract integers.	C1-4	**I know that 3(n + 2) means the same as 3 × (n + 2)**	
I can add and subtract decimals *e.g. 671.7 – 60.2 75.56 + 312.2 + 5.07*	C7-8	**I can work out the perimeter of a rectangle**	S11
I can multiply integers without a calculator **e.g. 673 × 24**	C9 C14	**I can work out the area of a rectangle**	S12 S16
I can multiply a decimal by a number **e.g. 5.2 × 3 6.24 × 8**	C11	**I can work out the area of a triangle**	
I can divide two numbers (and write down a proper method to show this). **e.g. 3199 ÷ 7 731 ÷ 17**	C10 C15	**I can work out the surface area of cubes and cuboids**	
I can divide a decimal by a number **e.g. 109.6 ÷ 8 239.22 ÷ 6**	C10	**I can write expressions and formulae for each of the things written above**	
I can use BIDMAS to work out a sum.		**I can work out the area of compound shapes**	
I can use a letter or a symbol to replace an unknown number.	A3	**I can solve problems using perimeter & area of rectangles**	
I can write a sentence in algebra **e.g. "add 7 to a number" can be written "n + 7".**	A3	**I can work out the surface area of prisms, where the surface is made up of rectangles.**	
I can simplify n + n + n.		**I can write a questionnaire**	
I can simplify 3 × d.		**I can design a data collection sheet**	D3
I can simplify m × m.		**I know how big a sample should be**	
I understand that a = b means the same as b = a.		On the unit test I achieved % = level	
I understand that a + b = c means the same as c = a + b.		I was happy unhappy	

Unit B

APP Sheet

UNIT B TEST:

Colour the column green if you can do it in class, orange if you can do some, red if you feel you cannot understand any.

The codes are for the **KS3 Maths Watch CD-ROM.**

 You must write Book of Power notes for the topics which are typed in bold below.

I can draw an arrow to show where positive and negative numbers fit on a number line.	N2	**I can use the √ button on a calculator and round the answer.**	
I can use a number line to order positive and negative numbers.	N15	**I can simplify algebra** **e.g. 3x + 5x 6f – f 2m + 5 + 4m**	
I can use ‹ and › with positive & negative numbers.		I can recognise when a shape has been reflected.	S3 S7
I can add and subtract positive & negative numbers.	C17	**I can draw the lines of symmetry on a shape.**	S1
I can use positive & negative numbers in real life.		I can recognise when a shape has been rotated.	S9
I know all the prime numbers up to 100.		**I can work out the order of rotational symmetry.**	S13
I can find the factors of a number.	N8	I can recognise when a shape has been translated.	S8
I can work out the Higher Common Factor of two numbers.		I can calculate the mean of a set of numbers.	D7
I can work out multiples of numbers.	N7	I can calculate the mode of a set of numbers.	D5
I can work out the Lowest Common Multiple of two numbers.		I can calculate the median of a set of numbers.	D5
I know the first 12 square numbers and can write the sums using powers.	N6	I can calculate the range of a set of numbers.	D5
I can square root these numbers.		I can solve problems using the averages & range.	
I can √900 and √160000 without a calculator.		On the unit test I achieved % = level	
I can work out the triangular numbers.		I was happy unhappy	

Unit C   YEAR 7: ASSESSING PERSONAL PROGRESS   APP Sheet

UNIT C TEST:

Colour the column green if you can do it in class, orange if you can do some, red if you feel you cannot understand any.
The codes are for the **KS3 Maths Watch CD-ROM.**
You must write Book of Power notes for the topics which are typed in bold below.

I can shade in fractions of a shape.	C16	**I know angles on a straight line sum to _____**	S15
I can write a smaller number as a fraction of a bigger one e.g. 35 cm as a fraction of 1 metre.		**I can recognise vertically opposite angles and know that they are _____**	
I can match equivalent fractions.	N3	**I know angles at a point sum to _____**	S15
I can simplify fractions.	N17	**I know angles in a triangle sum to _____**	S15
I can switch between mixed numbers and improper fractions.		**I can work out missing angles in scalene, isosceles, equilateral and right-angled triangles.**	
I can add and subtract fractions with the same denominator.		**I can draw and read information from bar-line graphs.**	
I can multiply a fraction by an integer.		**I can draw and read information from bar charts.**	D1 D2
I know the difference between a line and line segment.		**I can draw and read information from multiple bar charts.**	
I know how to label the corners and sides of shapes correctly.		**I can draw and read information from compound bar charts.**	
I know how to label equal sides on diagrams.		**I can draw and read information from a frequency diagram.**	
I know how to label parallel sides on diagrams.		**I can multiply and divide with algebra.**	
I can recognise parallel and perpendicular lines.		On the unit test I achieved % = level	

Unit D

APP Sheet

UNIT D TEST:

Colour the column green if you can do it in class, orange if you can do some, red if you feel you cannot understand any.

The codes are for the **KS3 Maths Watch CD-ROM.**

 You must write Book of Power notes for the topics which are typed in bold below.

I understand the value of each digit in an integer.			N1	**I can explain a rule for a sequence in words.**			N5
I understand the value of each digit in a decimal.			N1	**I can find the nth term for a sequence.**			
I can change between numbers written in words and in figures.			N1	**I know which metric units are used for length, area and volume.**			S4
I can write decimals in order.			N11	**I can change between different metric units e.g. 36 cl = _____ ml 237 ml = _____ l**			
I can multiply and divide numbers by 10, 100 and 1000.			N9 N13	I can read scales.			S10
I can read values on a scale to the nearest 10, 100 or 1000.			N14	I know the points on a compass.			
I can round numbers to the nearest integer.				**I can calculate an average for two sets of data and write a comment comparing the two sets.**			
I can round numbers to 1 decimal place.			N14	**I can calculate the range for two sets of data and write a comment comparing the two sets.**			
I can find the next term in a sequence.			N5	On the unit test I achieved % = level			

Unit E

APP Sheet

UNIT E TEST:

Colour the column green if you can do it in class, orange if you can do some, red if you feel you cannot understand any.
The codes are for the **KS3 Maths Watch CD-ROM.**
 You must write Book of Power notes for the topics which are typed in bold below.

I can answer direct proportion questions e.g. If three bars of chocolate cost 90p, I can work out the cost of 6 bars.	C19	**I know the important facts about a square.**	
I can answer recipe questions.	C18	**I know the important facts about a rectangle.**	
I know how ratios are written.	N12 N18	**I know the important facts about a parallelogram.**	
I can simplify ratios.		**I know the important facts about a rhombus.**	
I can share an amount in a given ratio.		**I know the important facts about a kite.**	
I can plot co-ordinates on a grid.	A4	**I know the important facts about a trapezium.**	
I can plot a straight line graph.		**I can explain how likely an event is to happen in words.**	D6
I know which equations will give a straight line graph.		**I know probability is always between ___ and ___.**	D6
I know which equations will have a positive slope.		**I know probability must always be written as a _____, _____ or _____**	D6
I know how to draw the lines y = 6 and x = -2.		**I know probability should never be written in _____ or as a _____.**	D6
I can choose the right unit of time to measure in e.g. to boil an egg.	S5	**I can list all the outcomes from an event.**	D6
I know how many years are in a decade, a century and a millennium.	S5	**I can work out the probability of an event happening.**	D6
On the unit test I achieved % = level		I was happy unhappy	

Unit F

APP Sheet

UNIT F TEST:

Colour the column green if you can do it in class, orange if you can do some, red if you feel you cannot understand any.
The codes are for the **KS3 Maths Watch CD-ROM**.
You must write Book of Power notes for the topics which are typed in bold below.

I can write decimals as fractions in their simplest form.		I can draw and measure lines accurately.	
I can change fractions into decimals.		I can draw and measure angles accurately.	S14
I can change between percentages and fractions.	N10	**I can construct a triangle.**	
I can change between percentages and decimals.		I can accurately construct a net for a cube or cuboid on plain paper.	S2
I can work out percentages of an amount without a calculator. **e.g. 10% of £20 15% of £50**		I can accurately construct the two possible nets for a regular tetrahedron on plain paper.	
I can work out more difficult percentages of amounts using a calculator. **e.g. 11% of £2800 14.5% of 56 litres**		I understood my statistics project.	
I can use function machines.		On the unit test I achieved % = level	
I can solve one step equations.		I have made good progress this year.	
I can write an equation to solve a word problem.		At the end of KS3, I should get level:	