

YEAR 7 – MATHS

Term 1

Number Sense	Expressions and Equations	Measures
<ul style="list-style-type: none">• To use the multiplication facts up to 10×10• To use the four operations with negative numbers (Addition, subtraction, multiplication and division)• To use the order of operations	<ul style="list-style-type: none">• To recognise the difference between an equation and an expression• To collect like terms• To substitute positive numbers into an expression• To solve one-step equations	<ul style="list-style-type: none">• To be able to tell the time on an analogue and digital clock• To read timetables and use calendars• To convert between different metric units of measurement

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Term 2

2D Shapes	Perimeter and Area	Coordinates	Factors, Multiples and Primes	Fractions	Brackets
<ul style="list-style-type: none"> To define parallel and perpendicular lines To understand that quadrilaterals have 4 sides and triangles have 3 sides 	<ul style="list-style-type: none"> To calculate the perimeter of rectangles, triangles and simple compound shapes To calculate the area of rectangles, triangles and simple compound shapes 	<ul style="list-style-type: none"> To read and plot coordinates To solve shape problems involving coordinates 	<ul style="list-style-type: none"> To divide using short and long division To list factors and multiples To list the first 10 prime numbers 	<ul style="list-style-type: none"> To find an equivalent fraction To simplify fractions To convert between mixed numbers and improper fractions 	<ul style="list-style-type: none"> To use the distributive law to multiply To expand a single bracket with positive and negative values To identify the HCF of the terms within an expression

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Term 3

Angles	Handling Data & Statistical Diagrams	Proportion	Fractions, Decimals and Percentages	Probability
<ul style="list-style-type: none"> • To name different angles • To estimate the size of angles • To draw an accurate triangle 	<ul style="list-style-type: none"> • To calculate the averages of a list of data: <ul style="list-style-type: none"> ○ Range ○ Median ○ Mode ○ Mean • To use tables and charts to represent and interpret data including: <ul style="list-style-type: none"> ○ Frequency tables ○ Tally charts ○ Pictograms ○ Bar charts 	<ul style="list-style-type: none"> • To calculate with proportional relationships • To find a unitary amount 	<ul style="list-style-type: none"> • To find a reciprocal of a unit fraction • To multiply and divide fractions • To find fractions of amounts • To convert between key FDP conversions • To write a number as a percentage of another number 	<ul style="list-style-type: none"> • To understand and apply the probability scale in words and number • To interpret probability as a fraction, decimal or percentage • To find the probability of a single event • To generate and interpret sample space diagrams