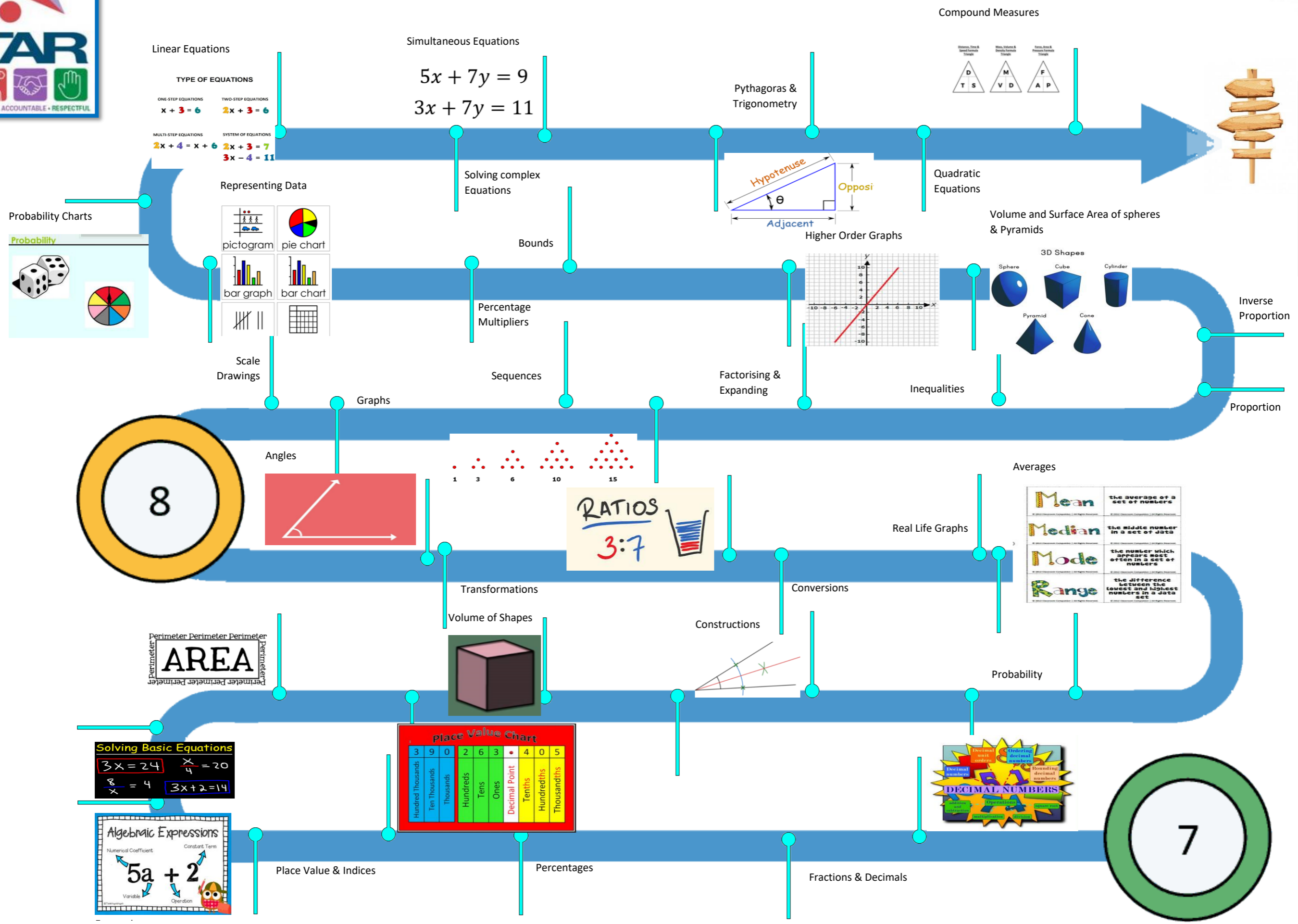




# The Westbourne Academy KS3 Maths Journey

## Maximising Potential within Maths



Linear Equations

TYPE OF EQUATIONS

ONE-STEP EQUATIONS  
 $x + 3 = 6$

TWO-STEP EQUATIONS  
 $2x + 3 = 6$

MULTI-STEP EQUATIONS  
 $2x + 4 = x + 6$

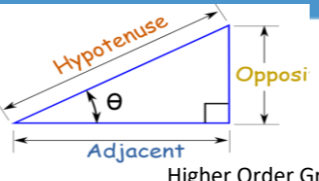
SYSTEM OF EQUATIONS  
 $2x + 3 = 7$   
 $3x - 4 = 11$

Simultaneous Equations

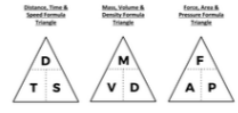
$$5x + 7y = 9$$

$$3x + 7y = 11$$

Pythagoras & Trigonometry

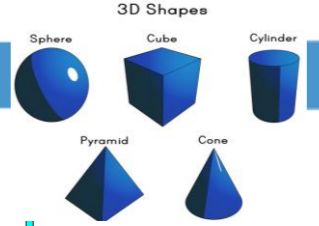


Compound Measures



Quadratic Equations

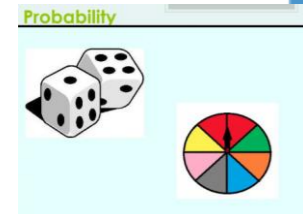
Volume and Surface Area of spheres & Pyramids



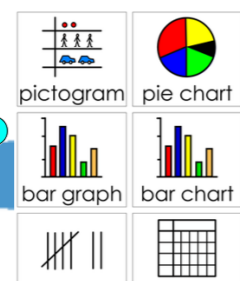
GCSE xxxx

Other relevant courses

Probability Charts



Representing Data



Solving complex Equations

Binds

Percentage Multipliers

Sequences

Factorising & Expanding

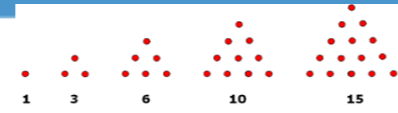
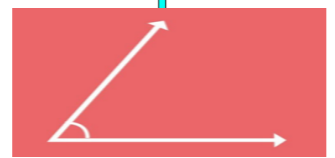
Inequalities

Inverse Proportion

Proportion



Angles



Averages

<b>Mean</b>	the average of a set of numbers
<b>Median</b>	the middle number in a set of data
<b>Mode</b>	the number which appears most often in a set of numbers
<b>Range</b>	the difference between the lowest and highest numbers in a data set

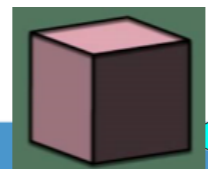
Real Life Graphs

Transformations

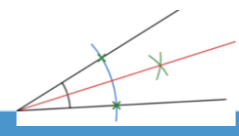
Conversions

Probability

Perimeter Perimeter Perimeter  
**AREA**  
Perimeter Perimeter Perimeter



Constructions



Solving Basic Equations

$$3x = 24 \quad \frac{x}{4} = 20$$

$$\frac{8}{x} = 4 \quad 3x + 2 = 14$$

Place Value Chart									
3	9	0	2	6	3	.	4	0	5
Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Decimal Point	Tenths	Hundredths	Thousandths

Algebraic Expressions

Numerical Coefficient  
 $5a + 2$   
Variable  
Constant Term  
Operation

Place Value & Indices

Percentages

Fractions & Decimals

