Maths Learning Journey Map
Year 9

Year 9 Survival Top Tips	
Tip 1	Develop your study skills
Tip 2	Solidify knowledge of key concepts
Tip 3	Use the revision lists to help you revise for the half termly tests
Tip 4	Keep on top of work to avoid falling behind
Tip 5	Ask your teacher for help to confirm your understanding

Move on to Year10

Summer Holidays

Next Level

YEAR 9
Half Term 6

- Transformations
- Pythagoras theorem
- 2D representations of 3D shapes

YEAR 9
Half Term 5

- Angles
- Scale diagrams and bearings
- Scatter Graphs

Positive correlation
As one variable increases so does the other variable.

Negative correlation
As one variable increases the other variable decreases.

No correlation
There is no relationship between the two variables.

YEAR 9
Half Term 4

- Introduction to Circumference and Area
- Ratio and proportion
- Basic probability

YEAR 9
Half Term 3

- Sequences
- Basic percentages
- Introduction to perimeter and area

YEAR 9
Half Term 2

- Basic fractions
- Coordinates and linear graphs
- Basic decimals
- Rounding
- Collecting and representing data

CURRICULUM OVERVIEW

1 + 1 = 2
2 × 2 = 4

- Basic number
- Factors and Multiples
- Basic algebra
- Equations

YEAR 9
Half Term 1

Maths Learning Journey Map
Year 10

Year 10 Survival Top Tips	
Tip 1	Organise your learning and revision
Tip 2	Time management – do a little bit often
Tip 3	Use the revision lists to help you revise for the half termly tests
Tip 4	Try and find different ways to revise to keep it interesting
Tip 5	Ask your teacher for help to confirm your understanding

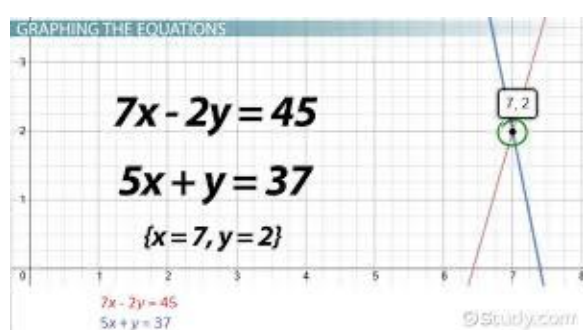Move on to Year 11

Summer Holidays

Next Level

- Real life graphs
- Probability

YEAR 10
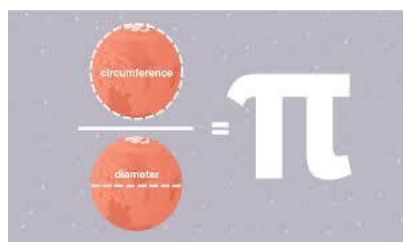Half Term 6

- Simultaneous equations
- Properties of polygons

$$7x - 2y = 45$$
$$5x + y = 37$$
$$\{x = 7, y = 2\}$$

YEAR 10
Half Term 5

- Perimeter and Area
- Circumference and Area

$$\frac{circumference}{diameter} = \pi$$

YEAR 10
Half Term 4

- Algebra recap
- Congruence and similarity
- Basic trigonometry

SOH CAH TOA

O	A	O
Sin° H	Cos° H	Tan° A
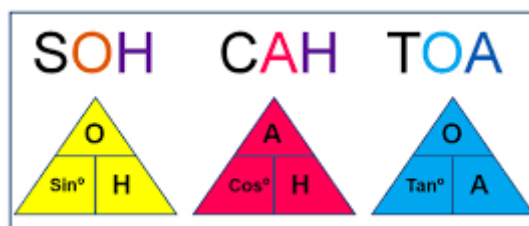
YEAR 10
Half Term 3

- Statistical Measures
- Indices
- Construction and loci
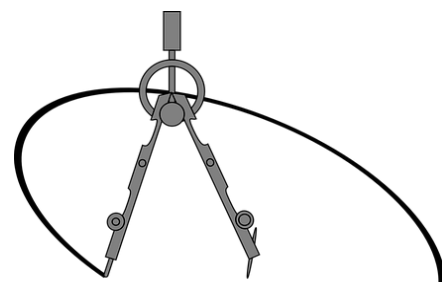
YEAR 10
Half Term 2

CURRICULUM OVERVIEW
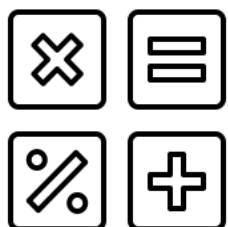
- Standard form
- Calculating with percentages
- Measures

$$4.2 \times 10^9$$

Must be an Integer

Must be 1 to 10 (but not 10!)

Must be x 10

YEAR 10
Half Term 1

★★★★★ ★★★★★

SKILLS DEVELOPED

Year 11 Survival Top Tips	
Tip 1	Make a revision plan and stick to it
Tip 2	Create a revision plan that's achievable.
Tip 3	Make concise and clear class notes
Tip 4	Practice using past papers
Tip 5	Ask your teacher for help to confirm your understanding

GCSE Results day
★★★★★

A-Level/ college
★★★★★

the future
★★★★★

YEAR 11
Half Term 6

➢ REVISION

What is revision?

Re-vision

Again   See

YEAR 11
Half Term 5

➢ Vectors

B
$\vec{a}$
A
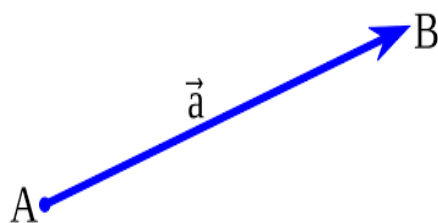
➢ Solving quadratics
➢ Quadratic graphs
➢ Growth and decay
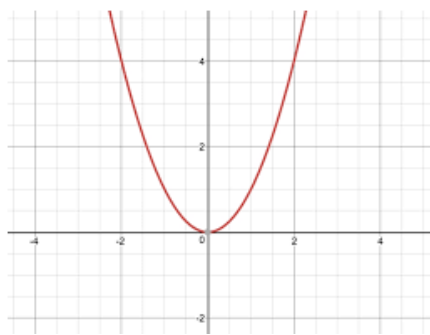
YEAR 11
Half Term 4

YEAR 11
Half Term 3

➢ Direct and inverse proportion
➢ Trigonometry

SOH   CAH   TOA

| O | | A | | O | |
| Sin° | H | Cos° | H | Tan° | A |
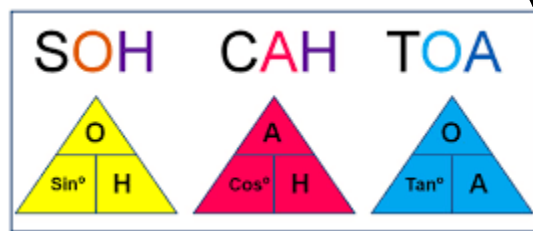
➢ Inequalities
➢ Algebra and graphs
➢ Sketching graphs

Draw the following straight line graphs
1. y = 2x + 3
2. y = 3x - 5
3. y = -x + 6
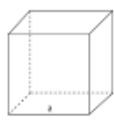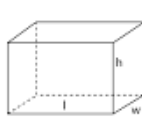4. y = 4
5. x = 7
6. y = ½x - 2
7. y = -4x - 9
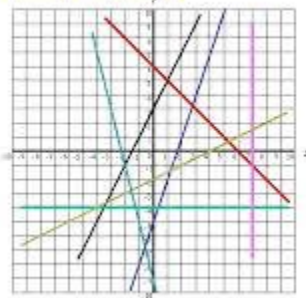
YEAR 11
Half Term 2

CURRICULUM OVERVIEW

VOLUME FORMULAS

Cube
$V = a^3$

Rectangular
$V = lwh$

Sphere
$V = 4/3\pi r^3$

➢ Volume
➢ Quadratics
➢ Rearranging formula
➢ Identities

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

YEAR 11
Half Term 1