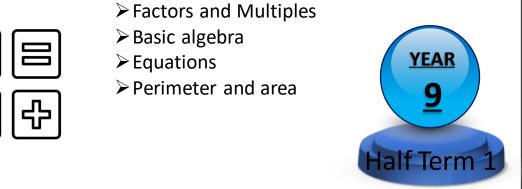
***** Maths Learning Journey Map *** Year 9 **SKILLS DEVELOPED** Move on to Year10 **** **Year 9 Survival Top Tips Summer Holidays** **** Tip 1 Develop your study skills **Next Level** Solidify knowledge of 李字字字字 Tip 2 Congruence and similarity key concepts > Pythagoras **YEAR** > Trigonometry Tip 3 Use the revision lists to help you revise for > Transformations the half termly tests ≥ 2D representations of 3D shapes Half Term 6 Tip 4 Keep on top of work to avoid falling behind Tip 5 Ask your teacher for help to confirm your understanding correlation ➤ Simultaneous equations **YEAR** Negative > Rearranging formulae correlation > Collecting and No representing data correlation Half Term 5 > Circle theorems **YEAR** > Expand and factorise quadratics ➤ Solving quadratics Half Term 4 ➤ Linear graphs **YEAR** Recurring decimals to fractions ➤ Algebraic fractions 1 Circumferences, area, arcs and Half Term 3 sectors **➢** Indices **YEAR** ➤ Standard form **>** Surds **>** Angles Half Term ➤ Scale diagrams and bearings CURRICULUM OVERVIEW

1 + 1 = 2

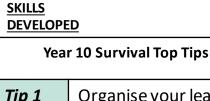
 $2 \times 2 = 4$



➤ Basic number

*** Maths Learning Journey Map <u>Year 10</u>

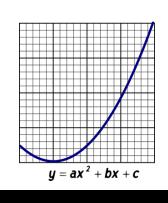




| Year 10 Survival lop lips | |
|---------------------------|---|
| Tip 1 | Organise your learning and revision |
| Tip 2 | Time management – do a little bit often |
| Tip 3 | Use the revision lists to help you revise for the half termly tests |
| Tip 4 | Try and find different ways to revise to keep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

➤ Similar triangles

- ➤ Vectors
- **>** Volume
- > Pre-calculus
- Constructions and loci
- ➤ Measures





Move on to Year11 ****

> **Summer Holidays** ****

YEAR Half Term 5

- > Ratio and proportion
- ➤ Direct and inverse proportion
- ➤ Gradients and rates of change
- ➤ Growth and decay
- ➤ Properties of polygons





- ➤ Algebraic fractions 2
- ➤ Inequalities including graphs and set notation
- ➤ Probability









YEAR

Half Term 4





- ➤ Sequences
- **>** Functions
- ➤ Numerical methods and iteration
- **>** Proof









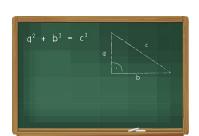


- > Further quadratics and their graphs
- ➤ Sketching graphs
- > Transforming functions





CURRICULUM OVERVIEW



- ➤ Trigonometry recap and extension
- > Trigonometric graphs
- ➤ Sine and cosine rule
- ➤ Calculating percentages
- ➤ Rearranging formulae and identities





Year 11 **SKILLS GCSE** Results day **DEVELOPED** **** **Year 11 Survival Top Tips** A-Level/ college **李李李李** Tip 1 Make a revision plan and stick to it the future 李字字字字 Tip 2 Create a revision plan What is revision? that's achievable. Re-vision **YEAR** > REVISION Tip 3 Make concise and clear class notes Again See Tip 4 Practice using past Half Term 6 papers Tip 5 Ask your teacher for help to confirm your understanding ➤ Sequences **YEAR** > Factor theorem ➤ Basic geometry 0.4 Half Term 5 ➤ Simultaneous equations **YEAR →** Functions ➤ Sketching functions and inequalities Half Term 4 > Further trigonometry **YEAR** ➤ Linear and quadratic equation ➤ Algebraic fractions > Manipulation and proof Half Term 3 > Index laws ➤ Trigonometry and Pythagoras Equation of a Circle: x2+ ➤ Matrix multiplication **YEAR** ➤ Matrix transformations Further Maths basic number > Further Maths basic algebra Half Term **>** Surds CURRICULUM OVERVIEW ➤ Intro to coordinate geometry CIRCLE THEOREMS OV > Equations of lines and circles > Introductory calculus **YEAR** > Calculus applications The angle between a tangent and a radius is 90° Angles in the same segment are equal CAH SOH **TOA** Half Term