

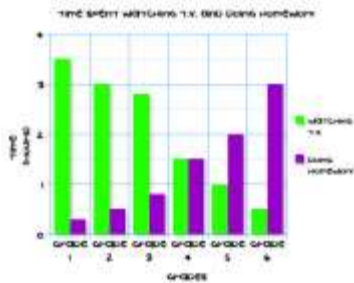
Year 7 Survival Top Tips	
Tip 1	Redo questions that were incorrect for homework
Tip 2	Mark questions that are difficult for the next class
Tip 3	Make a study plan, dividing maths into topics
Tip 4	Use step-by-step methods when completing questions
Tip 5	Ask for help after attempting questions at least 3 times



Ready for Year 8

Summer holidays

- ◆ Congruency
- ◆ Enlargements
- ◆ Reflections
- ◆ Rotations
- ◆ Translations



- ◆ Equivalent fractions
 - ◆ Comparing fractions
 - ◆ Adding and subtracting fractions
 - ◆ Introducing percentages
 - ◆ Finding percentages of amounts
-

- ◆ Lines, angles and triangles
- ◆ Estimating and drawing lines and angles
- ◆ Finding missing angles
- ◆ Properties of shapes
- ◆ Line symmetry
- ◆ Rotational symmetry



- ◆ Factors and multiples
 - ◆ Prime numbers and prime factors
 - ◆ Decimals—ordering
 - ◆ Calculations with decimals
 - ◆ Rounding
 - ◆ Estimates and measures
-

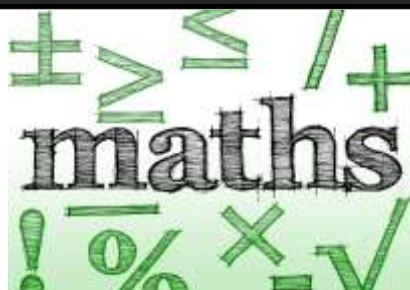
- ◆ Functions and expressions
- ◆ Writing and simplifying expressions
- ◆ Writing formulae and substitution
- ◆ Plotting and reading coordinates
- ◆ Real-life graphs
- ◆ Graphs of functions

- ◆ Mean, median, mode and range
- ◆ Displaying and comparing data
- ◆ Four operations
- ◆ Factors, multiples and primes

Curriculum Overview

Skills taught across maths

1. Interpersonal skills
2. Arithmetic skills
3. Calculator skills
4. Problem solving skills
5. Critical thinking skills



Wel come

Curriculum Overview

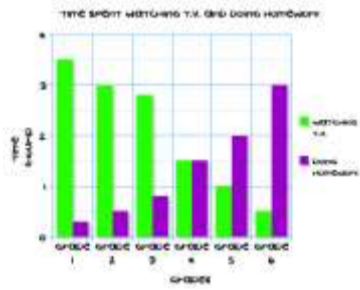


Year 7 Survival Top Tips	
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Tip 2	Mark questions that are difficult for the next class
Tip 3	Make a study plan, dividing maths into topics
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Tip 5	Ask for help after attempting questions at least 3 times

- ◆ Congruency
- ◆ Enlargements
- ◆ Reflections
- ◆ Rotations
- ◆ Translations
- ◆ Combined transformations

Ready for Year 8

Summer holidays



- ◆ Constructing triangles
- ◆ Calculating missing angles
- ◆ Quadrilaterals
- ◆ Angles and parallel lines
- ◆ Sequences and patterns
- ◆ Straight line graphs

- ◆ Direct proportion
- ◆ Writing and simplifying ratios
- ◆ Proportion and fractions and percentages
- ◆ Lines, angles and triangles
- ◆ Estimating and drawing lines and angles

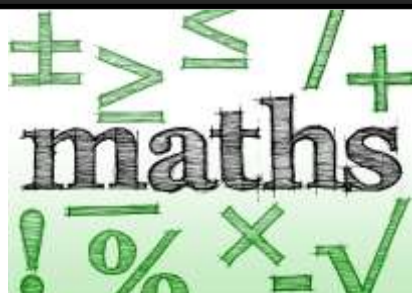


- ◆ Fractions—comparing and simplifying
- ◆ Calculations with fractions
- ◆ Fractions of amounts
- ◆ Fractions, decimals and percentages
- ◆ Percentages of amounts
- ◆ Probability

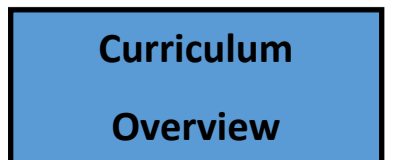
- ◆ Functions and expressions
- ◆ Writing and simplifying expressions
- ◆ Writing formulae and substitution
- ◆ Decimals and rounding
- ◆ Length, mass and capacity
- ◆ Scales and coordinates
- ◆ Mean, median, mode and range
- ◆ Displaying and comparing data
- ◆ Four operations
- ◆ Factors, multiples and primes

Skills taught across maths

1. Interpersonal skills
2. Arithmetic skills
3. Calculator skills
4. Problem solving skills
5. Critical thinking skills



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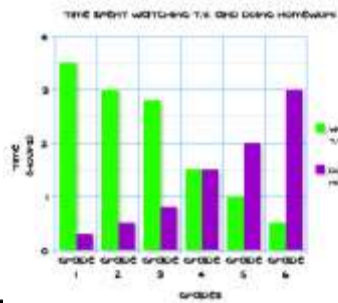


Year 7 Survival Top Tips	
Tip 1	Redo questions that were incorrect for homework
Tip 2	Mark questions that are difficult for the next class
Tip 3	Make a study plan, dividing maths into topics
Tip 4	Use step-by-step methods when completing questions
Tip 5	Ask for help after attempting questions at least 3 times

- Sequences
- nth term
- Coordinates and line segments
- Graphs

Ready for Year 8

Summer holidays



- Sharing in a given ratio
- Proportion
- Triangles, parallelograms and trapezia
- Perimeter and area of compound shapes
- Surface area and volume
- Properties of 3D solids

- One-step equations
- Two-step equations
- More complex equations
- Trial and Improvement
- Metric and imperial units
- Writing ratios

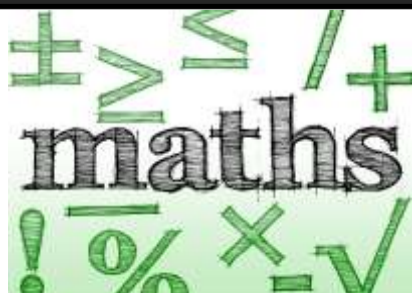


- Angles and parallel lines
- Angles in triangles and quadrilaterals
- Angles in polygons
- Ordering and rounding decimals
- Adding and subtracting decimals
- Multiplying and dividing decimals

- Functions and expressions
- Writing and simplifying expressions
- Writing formulae and substitution
- Equivalent fractions
- Adding and subtracting fractions
- Multiplying and dividing fractions
- Mean, median, mode and range
- Displaying and comparing data
- Four operations
- Factors, multiples and primes
- Powers and roots

Skills taught across maths

- Interpersonal skills
- Arithmetic skills
- Calculator skills
- Problem solving skills
- Critical thinking skills



Wel come

Curriculum Overview

Curriculum Overview

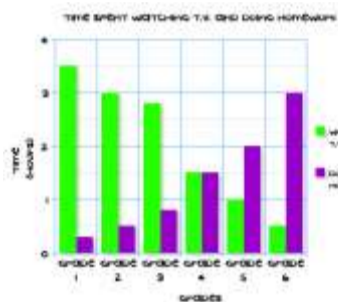
Year 8 Survival Top Tips	
Tip 1	Make notes from teacher
Tip 2	Write any extra steps that will help you
Tip 3	Become familiar with key words
Tip 4	Reread the question
Tip 5	Self-correct at home



Ready for Year 9

Summer holidays

- Fractions, decimals
- Language of probability
- Outcomes
- Probability calculations
- Experimental probability



- Extending sequences
- Finding the nth term
- Comparing fractions
- Finding fractions of amounts
- Adding and subtracting fractions
- Calculating percentages

- Squares, cubes and roots
- Calculations with brackets and indices
- Prime factors decomposition
- LCM and HCF
- Generating sequences



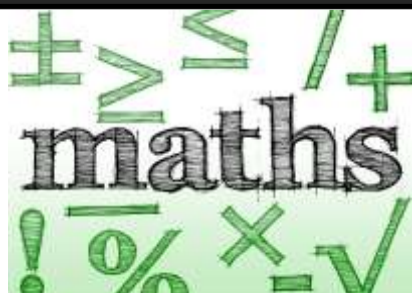
- Decimals and rounding
- Adding and subtracting decimals
- Multiplying decimals
- Estimate, measure and draw angles
- Calculating angles
- Constructing triangles and nets

- Data collection
- Bar charts and pie charts—drawing, interpreting and comparing
- Functions
- Expressions and substitution
- Solving equations
- Negative numbers
- Calculations with large numbers
- Using ratios to solve problems
- Properties of 3D solids and nets
- Area, volume and surface area

Curriculum Overview

Skills taught across maths

- Being able to work under pressure
- Time management skills
- Arithmetic skills
- Organisational skills
- Communication skills



Wel come

Curriculum Overview

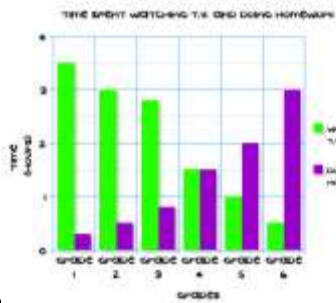


Year 8 Survival Top Tips	
Tip 1	Make notes from teacher
Tip 2	Write any extra steps that will help you
Tip 3	Become familiar with key words
Tip 4	Reread the question
Tip 5	Self-correct at home

Ready for Year 9

Summer holidays

- Fractions, decimals and percentages
- Equivalent proportions
- Percentages of amounts
- Expressing as a percentage



- Direct proportion graphs
- Gradients and intercepts
- Equations of straight line graphs

- Properties of quadrilaterals
- Interior and Exterior angles of polygons
- Geometric proof
- Addition and subtraction of fractions
- Multiplication and division of fractions
- Calculations with mixed numbers



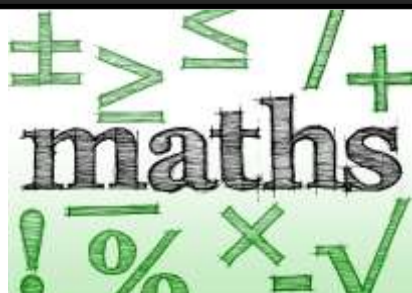
- Conversion graphs
- Real-life graphs
- Line graphs
- Decimals and rounding
- Place value calculations
- Ratio and proportion

- Pie charts
- Stem and leaf diagrams
- Using tables and comparing data
- Algebraic powers
- Expressions
- Solving equations (1 step and 2 step)
- Negative numbers
- Powers and roots
- Factors, multiples, Venn diagrams and primes
- Area, volume and surface area

Curriculum Overview

Skills taught across maths

- Being able to work under pressure
- Time management skills
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- Communication skills



Wel come

Curriculum Overview

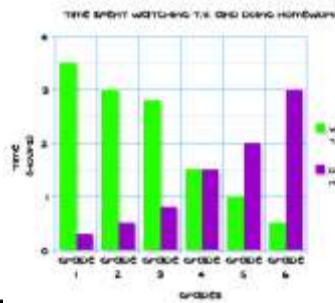
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Tip 4	Reread the question
Tip 5	Self-correct at home



Ready for Year 9

Summer holidays

- Plotting linear graphs
- Finding the gradient
- Finding the equation
- Parallel and perpendicular lines
- Inverse functions



- Maps and scales
- Bearings
- Scales and ratio
- Congruent and similar shapes
- Solving geometry problems



- Accurate geometric drawings
- Constructions
- Loci
- Comparing probabilities
- Experimental probabilities
- Tree diagrams



- Reflection
- Translation
- Rotation
- Enlargement
- Recurring decimals
- Using percentages



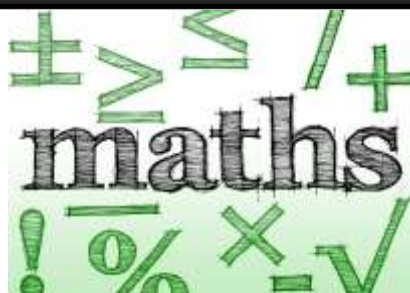
- Plans and elevations
- Surface area and volume of prisms
- Area and circumference of circles
- Direct proportion
- Distance-time graphs
- Rates of change
- Powers and roots
- Factors, multiples, Venn diagrams and primes
- Laws of indices
- Simplifying expressions
- Expanding and simplifying



Curriculum Overview

Skills taught across maths

- Being able to work under pressure
- Time management skills
- Arithmetic skills
- Organisational skills
- Communication skills



Wel come

Curriculum Overview

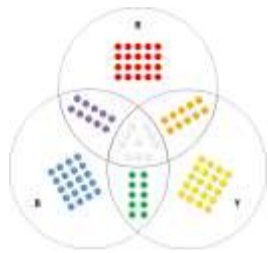
Year 9 Survival Top Tips

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Tip 2	Redo questions before a test
Tip 3	Practice every night
Tip 4	Use arithmetic and calculator skills
Tip 5	Correct answers with a friend or person beside you, ask for help after attempting questions at least 3 times

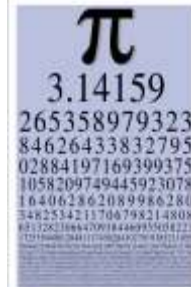


Ready for Year 10

Summer holidays



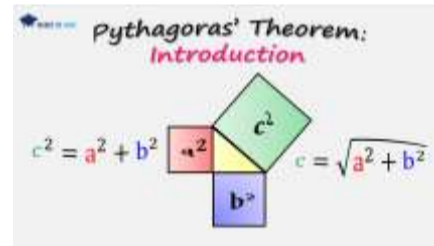
- ◆ Congruent shapes
- ◆ Rotations
- ◆ Reflections
- ◆ Translations



- ◆ Probability
- ◆ Experimental probability
- ◆ Probability tree diagrams
- ◆ Congruent and similar shapes
- ◆ Triangles and quadrilaterals
- ◆ Enlargements



- ◆ Using ratios
- ◆ Using proportion
- ◆ Measures and conversions
- ◆ Area and volume calculations
- ◆ Substituting into formulae
- ◆ More complex formulae



- ◆ Angles
- ◆ Basic constructions
- ◆ Maps and scales
- ◆ Reading and plotting graphs
- ◆ Distance-time graphs
- ◆ Midpoints, intercepts and gradients



- ◆ Planning and carry out a survey
- ◆ Calculating averages
- ◆ Display and analyse data
- ◆ Equivalent proportions
- ◆ Recurring decimals
- ◆ Calculations with fractions

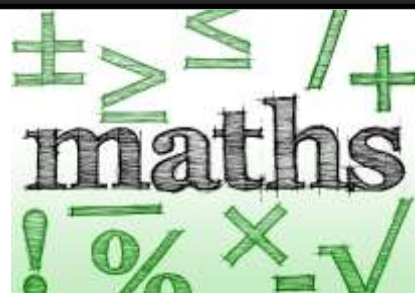
- ◆ Number calculations
- ◆ Negative numbers
- ◆ Squares, cubes and roots
- ◆ Writing expressions and formulae
- ◆ Using nth term
- ◆ Solving equations



Curriculum Overview

Skills taught across maths

1. Interpersonal skills
2. Arithmetic skills
3. Time management skills
4. Communication skills
5. Social skills



Wel come

Curriculum Overview



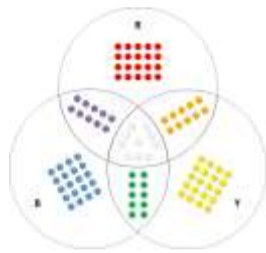
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Ready for Year 10
Summer holidays

- Trigonometry ratios
- Solving trig problems

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3.14159
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12319880244111400264370819121497

YEAR 9



- Probability
- Experimental probability
- Probability tree diagrams
- Congruent and similar shapes

- Circumference and area of a circle
- Pythagoras' Theorem
- Prisms and cylinders
- Sequences
- Graphs of rates of change
- Simultaneous Equations graphically

Pythagoras' Theorem: Introduction
 $c^2 = a^2 + b^2$

YEAR 9



- Using scales
- Basic constructions
- Loci
- Solving equations and inequalities
- Trial and improvement
- Simultaneous equations

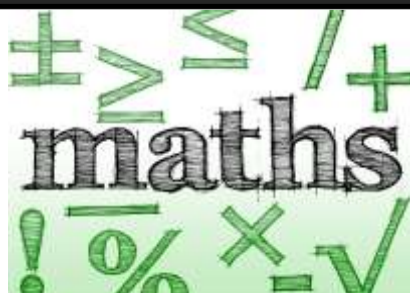
- Planning and carry out a survey
- Calculating averages
- Display and analyse data
- Percentage change
- Rates of change
- Indices
- Standard form
- Calculations and estimates
- Substitution
- Writing expressions and formulae
- Expanding double brackets

YEAR 9

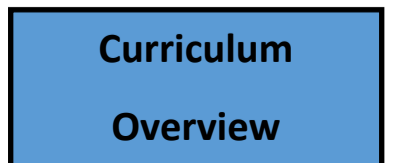
Curriculum Overview

Skills taught across maths

- Interpersonal skills
- Arithmetic skills
- Time management skills
- Communication skills
- Social skills



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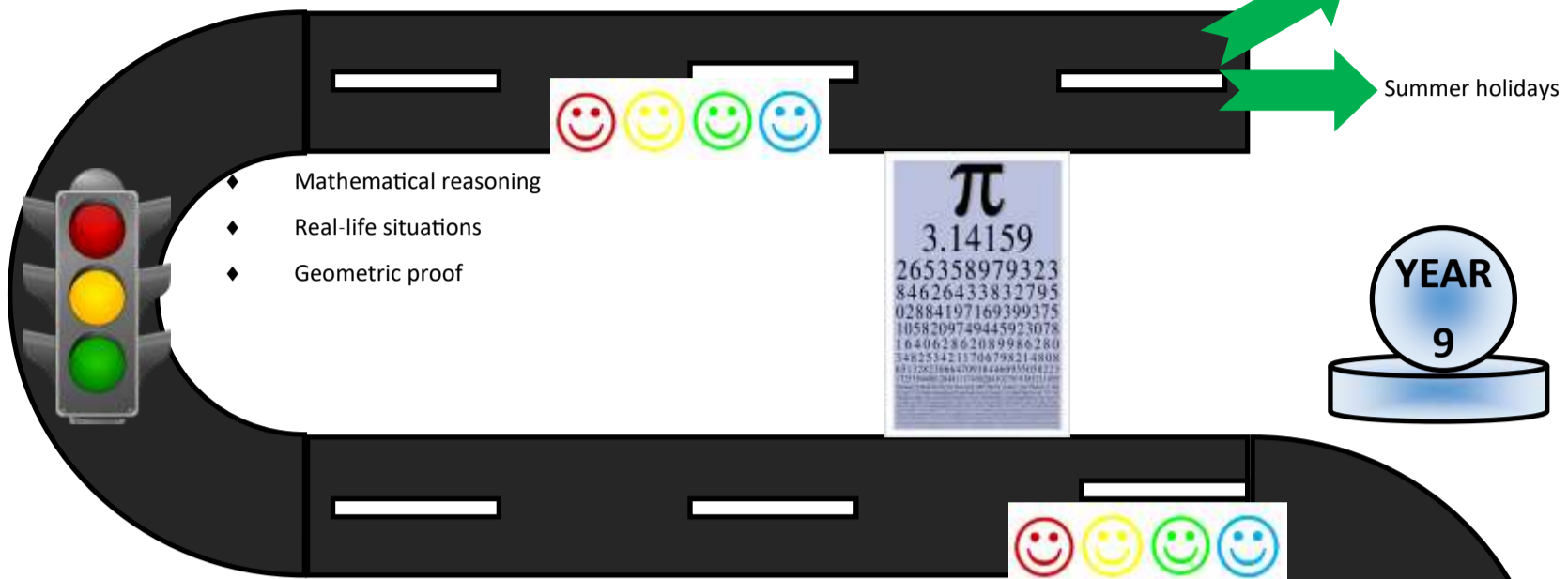


Year 9 Survival Top Tips	
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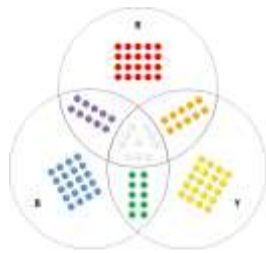
Ready for Year 10

Summer holidays

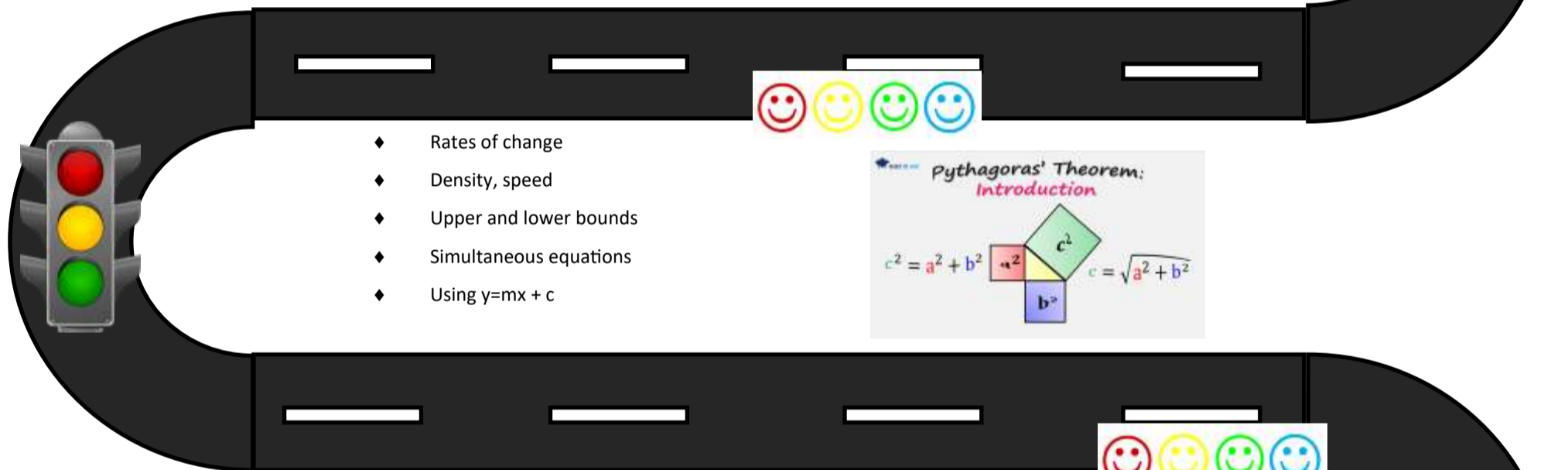


- Mathematical reasoning
- Real-life situations
- Geometric proof

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- Graphing simultaneous equations
- Linear and quadratic equations
- Solving inequalities with quadratics
- Trigonometry
- Trigonometric graphs

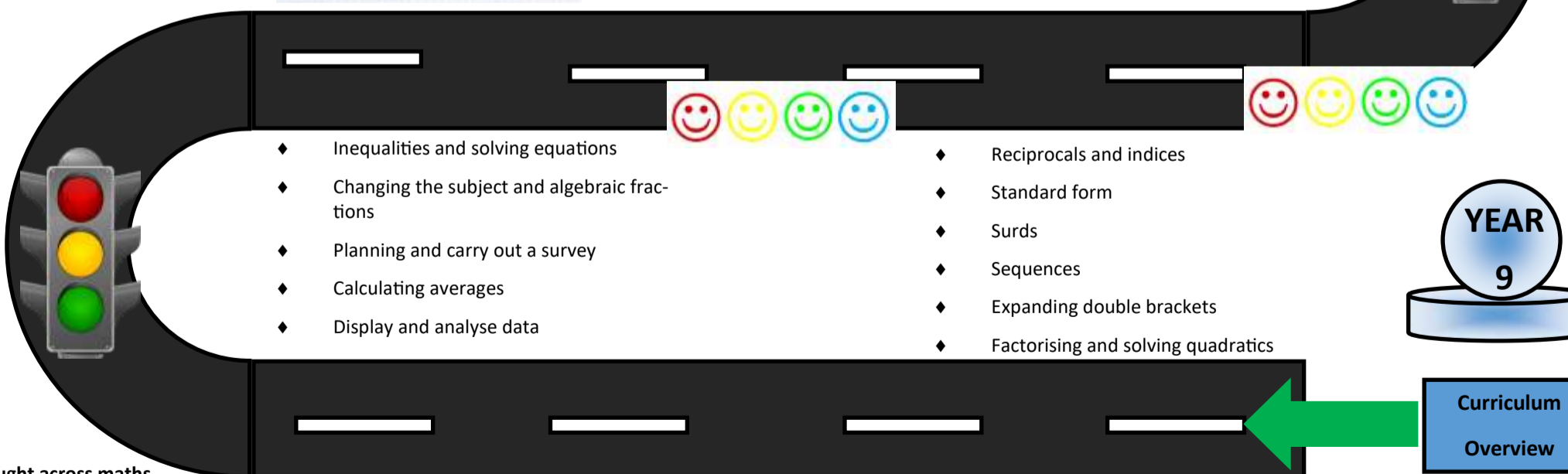


- Rates of change
- Density, speed
- Upper and lower bounds
- Simultaneous equations
- Using $y=mx+c$

Pythagoras' Theorem:
Introduction
 $c^2 = a^2 + b^2$



- Direct proportion
- Solving proportion problems
- Non-linear proportion
- Circumference, arc length and sector area
- Graphs of quadratics and cubics



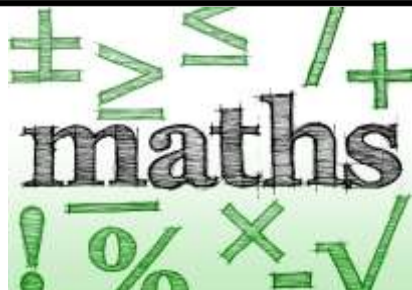
- Inequalities and solving equations
- Changing the subject and algebraic fractions
- Planning and carry out a survey
- Calculating averages
- Display and analyse data
- Reciprocals and indices
- Standard form
- Surds
- Sequences
- Expanding double brackets
- Factorising and solving quadratics



Curriculum Overview

Skills taught across maths

1. Interpersonal skills
2. Arithmetic skills
3. Time management skills
4. Communication skills
5. Social skills



Wel come

Curriculum Overview



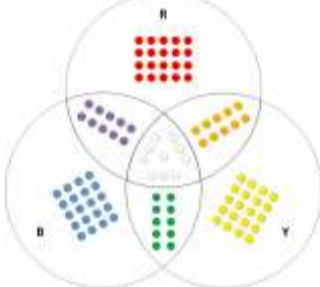
Year 10 Survival Top Tips	
Tip 1	Organise your school bag the night before
Tip 2	Arrive to class on time
Tip 3	Complete homework on time
Tip 4	Make a list for homework and activities each day
Tip 5	Write due dates for projects into a wall calendar

- ◆ Pythagoras' Theorem
- ◆ Trigonometry ratios
- ◆ Solving trig problems
- ◆ Probability
- ◆ Multiplicative reasoning

Ready for Year 11

Summer holidays

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34825342117007982148006
4427231864200184448995468222
12378680344111989234377498121199



- ◆ Rotations
- ◆ Reflections
- ◆ Enlargements
- ◆ Translations
- ◆ Combinations of transformations
- ◆ Ratio and proportion

- ◆ Perimeter
- ◆ Area
- ◆ Volume
- ◆ Real-life graphs
- ◆ Straight-line graphs

Pythagoras' Theorem: Introduction

$$c^2 = a^2 + b^2$$

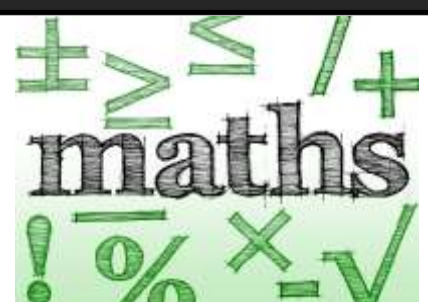

- ◆ Equations and inequalities
- ◆ Sequences
- ◆ Properties of shapes, parallel lines and angle facts
- ◆ Interior and exterior angles of polygons
- ◆ Statistics, averages and sampling

- ◆ Tables, charts and graphs
- ◆ Pie charts
- ◆ Scatter graphs
- ◆ Fractions, decimals and percentages
- ◆ Percentage calculations
- ◆ Integers, decimals and place value
- ◆ Indices, powers and roots
- ◆ Factors, multiples and primes
- ◆ Algebra: The basics
- ◆ Expressions and substitution into formulae

Curriculum Overview

Skills taught across maths

1. Teamwork
2. Arithmetic skills
3. Problem solving skills
4. Communication skills
5. Social skills



Wel come

Curriculum Overview

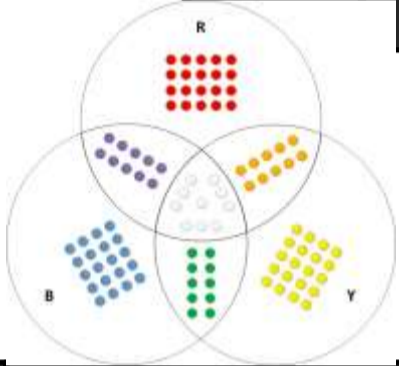


Year 11 Survival Top Tips	
Tip 1	Try questions from your revision guide
Tip 2	Read through the instructions in the book and copy your notes
Tip 3	Attempt exam questions
Tip 4	Time yourself doing questions
Tip 5	Redo questions from an exam that were incorrect

GCSE Results Day

Go to college

- ◆ Factors
- ◆ Multiples
- ◆ BIDMAS
- ◆ Fractions of amounts
- ◆ Percentages of amounts



- ◆ Simple interest
- ◆ Sharing in a ratio
- ◆ Direct proportion
- ◆ Geometry problems



- ◆ Two-way tables
- ◆ Times series
- ◆ Stem and leaf
- ◆ Mean
- ◆ Median
- ◆ Mode and Range



- ◆ Mean from a frequency table
- ◆ Tree diagrams
- ◆ Venn diagrams
- ◆ Sets
- ◆ Frequency trees



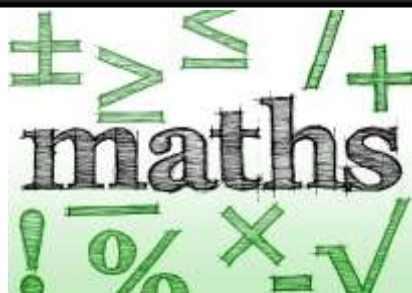
- ◆ Fractions and reciprocals
- ◆ Indices and standard form
- ◆ Similarity and congruence in 3D
- ◆ Vectors
- ◆ Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations
- ◆ Plans and elevations
- ◆ Constructions, loci and bearings
- ◆ Quadratic equations: expanding and factorising
- ◆ Quadratic equations: graphs
- ◆ Circles, cylinders, cones and spheres



Curriculum Overview

Skills taught across maths

1. Reading skills
2. Using a calculator
3. Mental Maths
4. Communication skills
5. Problem-solving skills



Wel come

Curriculum Overview

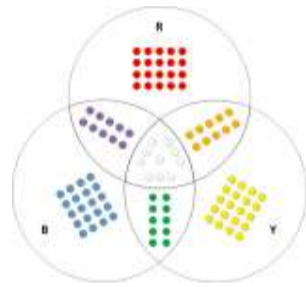


Year 10 Survival Top Tips	
Tip 1	Organise your school bag the night before
Tip 2	Arrive to class on time
Tip 3	Complete homework on time
Tip 4	Make a list for homework and activities each day
Tip 5	Write due dates for projects into a wall calendar

- Convert between units
- Density
- Pressure
- Direct and inverse proportion
- Similarity and congruence in 2D and 3D

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Ready for Year 11
Summer holidays



- Solving quadratics
- Simultaneous equations
- Inequalities
- Probability
- Probability trees
- Sets and Venn diagrams

- Perimeter, area and circles
- 3D forms, volume, cylinder, cones and spheres
- Accuracy and bounds
- Transformations
- Constructions, loci and bearings

Pythagoras' Theorem: Introduction
 $c^2 = a^2 + b^2$ $c = \sqrt{a^2 + b^2}$



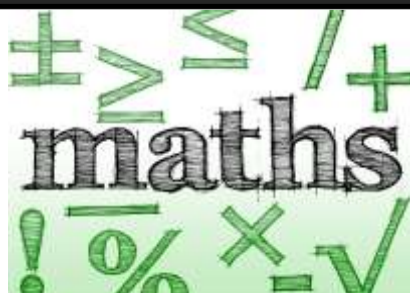
- Interior and exterior angles in polygons
- Angles on parallel lines
- Pythagoras' Theorem
- Trigonometry
- Linear and real-life graphs
- Quadratic, cubic and other graphs

- Averages and range
- Bar charts and Pie charts
- Stem and leaf Diagrams
- Scatter graphs
- Fractions and percentages
- Ratio and proportion
- Integers, decimals and place value
- Indices, powers, roots and surds
- Factors, multiples and primes
- Algebra: The basics
- Sequences

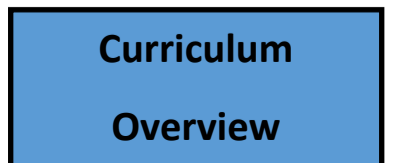
Curriculum Overview

Skills taught across maths

1. Teamwork
2. Arithmetic skills
3. Problem solving skills
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Wel come



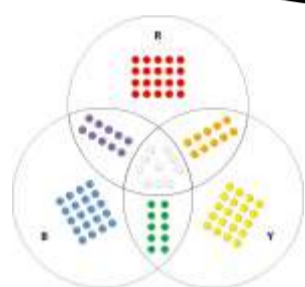


Year 11 Survival Top Tips	
Tip 1	Try questions from your revision guide
Tip 2	Read through the instructions in the book and copy your notes
Tip 3	Attempt exam questions
Tip 4	Time yourself doing questions
Tip 5	Redo questions from an exam that were incorrect

- ◆ Factors
- ◆ Multiples
- ◆ BIDMAS
- ◆ Fractions of amounts
- ◆ Percentages of amounts

π
3.14159
265358979323
84626433832795
02884197169399375
1058209749445923078
164062862089986280
34825342117007982148006
4427231864200184448945184222
14368020082346816156498386484384
764254148535983570597796792456665448879646661796260321862546869011372687526977217667060115517964661170548823534914619801214689001700694964095714099997173663941343702732234365870117214208597461766997365241246099829310485988562197700848564001458697787451452143769550412656207477501422369716

GCSE Results Day
Go to college



- ◆ Simple interest
- ◆ Sharing in a ratio
- ◆ Direct proportion
- ◆ Geometry problems



- ◆ Two-way tables
- ◆ Times series
- ◆ Stem and leaf
- ◆ Compound Interest.

Pythagoras' Theorem:
Introduction
 $c^2 = a^2 + b^2$



- ◆ Reciprocal and exponential graphs
- ◆ Gradient and area under a graph
- ◆ Direct and inverse proportion
- ◆ Sets
- ◆ Frequency trees



- ◆ Changing the subject
- ◆ Algebraic fractions
- ◆ Rationalising surds
- ◆ Proof
- ◆ Vectors and geometric proof

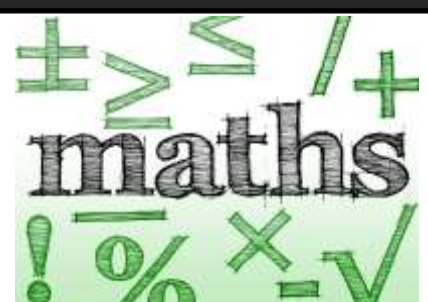
- ◆ Collecting data
- ◆ Cumulative frequency and box plots
- ◆ Histograms
- ◆ Quadratics, expanding 3 brackets
- ◆ Circle theorems
- ◆ Circle geometry



Curriculum Overview

Skills taught across maths

1. Reading skills
2. Using a calculator
3. Mental Maths
4. Communication skills
5. Problem-solving skills



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Curriculum Overview