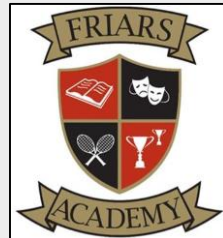


Mathematics Learning Journey

At Friars Academy, Mathematics helps students acquire the necessary life skills they will need for when they move on into employment, college and daily life.



Using and Applying a Range of Skills for Life After Friars

Ready to transfer Maths skills into college, employment and life skills

Number

Geometry & Measures

Statistics

Distance – time graphs

Money conversion graphs

Systematic listing

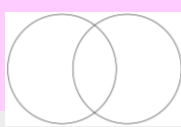
Tally charts

Pictograms



Bar graphs

Scales & graphs



Lists & outcomes

Averages & trends

Coordinates

Venn diagrams

Scatter graphs

Mean, median, mode, range

Solve money problems

Read scales +/-

Proportion problems

Equivalent fractions, decimals, percentages

Percentages of amounts

Money, calendar, time

14:35

Ratio & proportionality



Fractions / decimals / percentages

Year 11

Time conversion, 12-24hr

Timetables, two-way tables

Y10 and Y11 OCR Entry Level and AQA Accredited Courses

Equivalent fractions

Order decimals / fractions

Reflection & symmetry

Rotations

Measure length

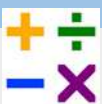
Perimeter & area

Symmetry and transformations

Scales / graphs

Units & measure

Translations



Read scales / intervals



Compass points

Measure & draw angles

Sorting shapes by property

Calculations with +/-x/÷

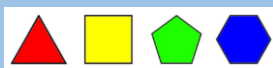
Negative numbers

Times tables

Index notation

Order/ compare numbers

Shapes



Calculations / formulae

Place value / Estimation / Multiples

Year 10

Classification

Inverses in calculations

Sequences

Functions

Rounding

Decimal places / significant figures

Letters/symbols to represent unknowns

Solve problems with time

Use x and ÷ as scale factors for ratio

Classify shapes

Missing angles & lengths

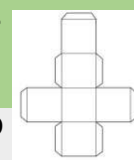
Mean average

Algebra

Measurement – perimeter/area/volume

Number – Ratio

Geometry – properties of shapes



Statistics

%

Perimeter, area & volume of simple 2D/3D shapes

Compare one thing to another

Build/draw 2D/3D shapes and nets

Pie charts & line graphs

Calculate with percentages

Translation / reflection

+ / - fractions with different denominators

Calculations with +/-x/÷

Long multiplication / short division

Number – decimals / percentages

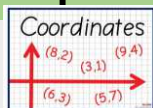
Geometry – position & direction

Number – fractions

Number – place value, +/-x/÷

Year 9

Calculate with decimals



Coordinates

Multiply / divide fractions

+ / - numbers any size

Positive & negative integers

Intro +/- fractions with different denominators

Multiply fractions

Intro to percentages

Draw, measure and compare angles

Reflection & translation

Capacity / volume

Number – fractions / decimals / percentages

Geometry – properties of shapes / position & direction

Measurement – converting units / volume

Measurement – perimeter/area

Compare, order, simplify fractions

+/-x/÷ with decimals

2D representations of 3D shapes

Convert between units of time

Convert between metric units

Perimeter and area of simple 2D shapes

Short division

6 12 / 7 584

Tables



Roman Numerals to 1000

+ / - with up to 4-digits



Number – multiplication & division

Statistics

Number – place value / addition & subtraction



Year 8

10s 100s 1000s

Factors, multiples & primes

Multiply 2-digit numbers

Line graphs



Negative numbers

Numbers to 1 million

Area by counting shapes

Fractions of amounts

Introduction to decimals



Solving money problems

Bar charts, pictograms

Symmetry



Compare angles

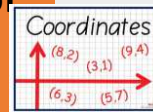
Measurement – area

Number – fractions/decimals

Measurement – money/time

Statistics

Geometry – properties of shapes / position & direction



Equivalent fractions

+/- with same denominator

Convert between units of time



Time graphs, tables

Classify triangles/quadrilaterals

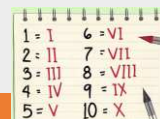
Coordinates & translations

1/2 = 2/4 = 4/8

6, 7, 9, 25, 100 Times tables

4-digit numbers

Numbers below 0



Number – multiplication /division

Measurement – length / perimeter

Number – place value - Addition / subtraction

Year 7

Factor pairs

Short multiplication

Perimeter of simple shapes



4-digit addition and subtraction

Roman Numerals to 100

Every Child, Every Chance, Every Day

Beginning our Mathematical Journey