

Ninestiles Mathematics Department

LEARNING JOURNEY



KEEP CALM AND STUDY FURTHER MATHS

- A Level Maths
- Further Maths
- Statistics
- Core Maths
- GCSE Resits

Continue your lifelong love of learning and personal development!



POST-16 PATHWAY

YEAR 11

SPRING 2 - HIGHER
 Transformations/ Algebraic graphs
 Probability
 Recurring decimals/ Functions
 Target topics

SPRING 1 - HIGHER
 Histograms
 Units

AUTUMN 2 - HIGHER
 Vectors, Sequences
 Shape, Circle Theorems
 Equations and inequalities

AUTUMN 1 - HIGHER
 Ratio and proportion
 Surds
 Manipulating algebra
 Proof
 Trigonometry
 Angles/Bearings

2nd YEAR OF EDEXCEL GCSE PREPARATION

SPRING 2 - FOUNDATION
 Probability/ Averages
 Algebraic graphs, Trig
 Target topics

SPRING 1 - FOUNDATION
 Equations and inequalities
 Displaying data

AUTUMN 2 - FOUNDATION
 Vectors, Sequences, Shape
 Units
 Manipulating algebra

AUTUMN 1 - FOUNDATION
 Number, Percentage, Ratio
 Rounding, Angles
 Pythagoras

SUMMER 2 - HIGHER
 Probability
 Circle Theorem

SUMMER 2 - FOUNDATION
 Probability
 Displaying data

SUMMER 1 - HIGHER
 Vectors

SUMMER 1 - FOUNDATION
 Vectors

START OF EDEXCEL GCSE PREPARATION

AUTUMN 1 - HIGHER
 Number & Manipulating Algebra
 Quadratic graphs
 Number
 Algebraic proof

AUTUMN 2 - HIGHER
 Algebraic graphs
 Shape
 Data

SPRING 1 - HIGHER
 Units
 Equations & inequalities
 Ratio & Proportion
 Enlargement

SPRING 2 - HIGHER
 Sequences
 Trigonometry
 Constructions

AUTUMN 1 - FOUNDATION
 Number & Percentages
 Negatives and indices
 Manipulating algebra
 Equations and inequalities

AUTUMN 2 - FOUNDATION
 Equations and inequalities
 Shape
 Angles

SPRING 1 - FOUNDATION
 Units
 Algebraic graphs
 Ratio and proportion
 Transformation

SPRING 2 - FOUNDATION
 Sequences
 Pythagoras
 Averages
 Constructions

YEAR 10

SUMMER 2
 Understanding risk
 Calculating FDP
 Measuring data

SUMMER 1
 Understanding risk
 Calculating FDP
 Measuring data

YEAR 9 OPTIONS
 A chance to study Statistics!
 Sets 1-3

SPRING 2
 Proportional reasoning
 Numbers and the number system pt 3
 Exploring FDP

SPRING 1
 Investigating angles
 Algebraic proficiency: visualising
 Pattern Sniffing

AUTUMN 2
 Solving equations and inequalities
 Algebraic proficiency
 Numbers and the number system pt 2

AUTUMN 1
 Presentation of data
 Calculating space
 Numbers and the number system
 Calculating FDP, Proportional reasoning, Algebraic proficiency

YEAR 9

YEAR 8

SUMMER 2
 Exploring FDP
 Proportional reasoning
 Understanding risk
 Solving equations
 Calculating FDP

SUMMER 1
 Algebraic proficiency: tinkering
 Properties of shape
 Patterns

SPRING 2
 Proportional reasoning
 Solving equations and inequalities
 Algebraic proficiency: visualising

SPRING 1
 Calculating FDP pt 2
 Calculating

AUTUMN 2
 Calculating FDP
 Algebraic Proficiency
 Investigating angles

AUTUMN 1
 Measuring data
 Visualising and constructing
 Investigating properties of shapes
 Numbers and the number system
 Calculating

SUMMER 2
 Visualising and constructing pt 2
 Understanding risk
 Calculating FDP
 Presentation of data

SUMMER 1
 Proportional reasoning
 Solving equations and inequalities
 Algebraic proficiency: visualising

YEAR 7

SPRING 2
 Presenting data (pie charts)
 Measuring data
 Mathematical movement
 Counting and comparing

SPRING 1
 Numbers and the number system
 Checking
 Exploring FDP
 Calculating

AUTUMN 2
 Measuring space
 Calculating space
 Investigating properties of shapes
 Visualising pt2
 Angles

AUTUMN 1
 Presentation of data
 Visualising and constructing
 Numbers and the number system
 Counting and comparing
 Calculating

Target setting

Baseline Test

Introduction to Maths at Ninestiles

Attend Year 6 transition days

Masterclasses for Year 5 pupils with Lead Practitioners

Apply for a place at Ninestiles School

PRIMARY SCHOOL

AIM FOR ROCK HERO ON

Target setting