



# ... Curriculum Road Map KS5 – Core Maths



Your journey continues in to:

- Year 13
- University
- Apprentices
- Work

Tailored in-class revision and intervention

PPE 2

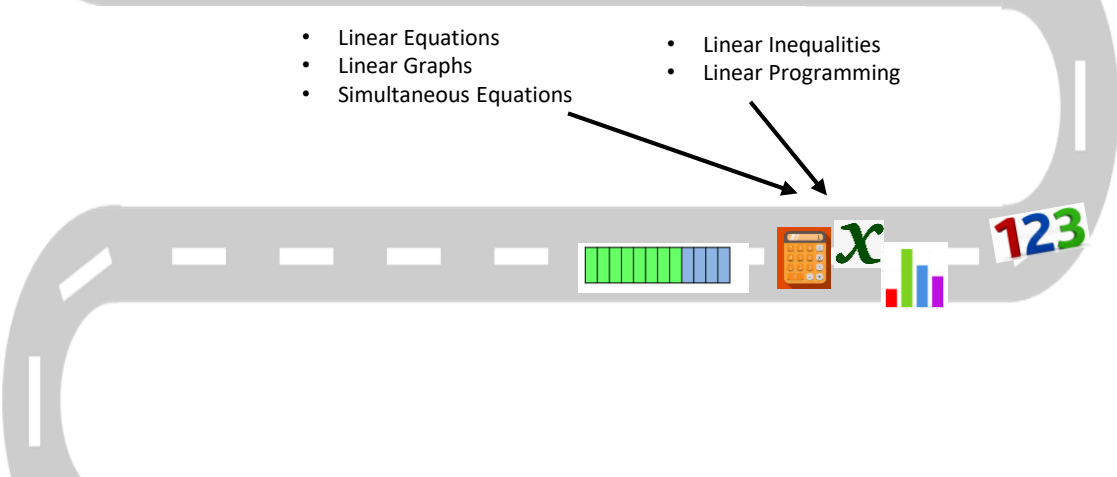
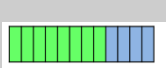
- Percentages
- Growth and Decay
- Graphs
- Indices

- Sequences
- Arithmetic Series
- Geometric Series



- Linear Equations
- Linear Graphs
- Simultaneous Equations

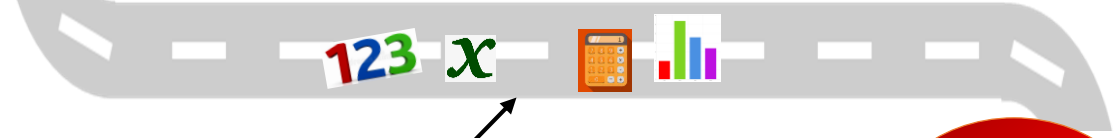
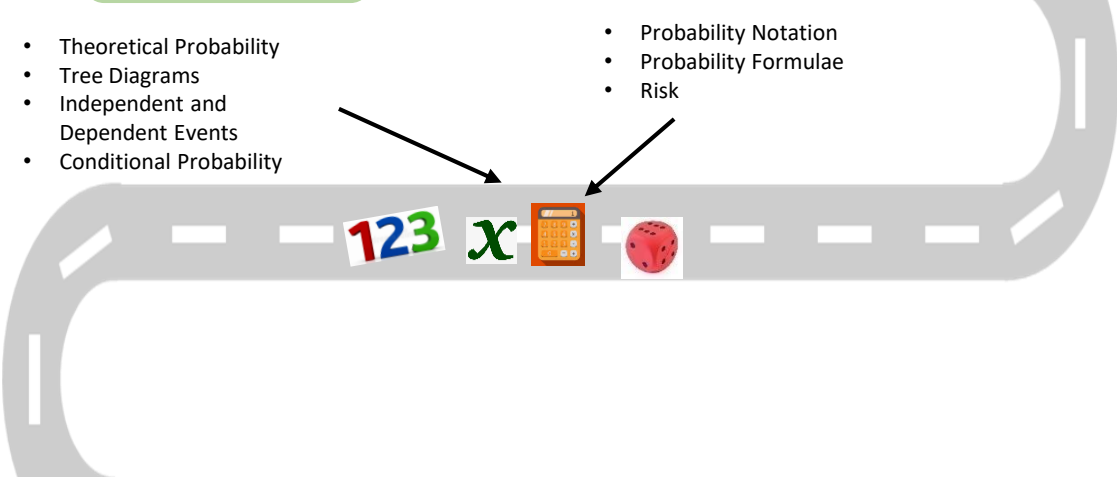
- Linear Inequalities
- Linear Programming



PPE 1

- Theoretical Probability
- Tree Diagrams
- Independent and Dependent Events
- Conditional Probability

- Probability Notation
- Probability Formulae
- Risk



- Sampling
- Time Series
- Frequency Diagrams
- Box Plots
- Central Tendency and Variance
- Correlation
- Regression
- Spearman's Rank

Start Of Course

Careers – Architect – Geologist – Engineer – Accountant – Commodity Trader – Meteorologist – Investment Banker

Careers – Game Designer – Actuary – Medical Scientist – Mathematician – Teacher – Software Developer – GCHQ Analyst

**Threshold Concepts**

**Algebraic manipulation**

This concept involves recognising mathematical properties and relationships using symbolic representation

**Number sense**

This concept involves understanding the number system and how they are used in a wide variety of mathematical ways

**Shape facts**

This concept involves recognising the names and properties of geometry shapes and angles.

**Multiplicative reasoning**

This concept involves using ratio and proportion and understanding of reciprocals in real world applications

**Representing and interpreting data**

This concept involves interpreting, manipulating and presenting data in various ways.

**Calculator skills**

This concept involves fluent application of mathematical operations on a scientific calculator

**Understanding and calculating risk**

This concept involves knowing the rules of probability in the correct context