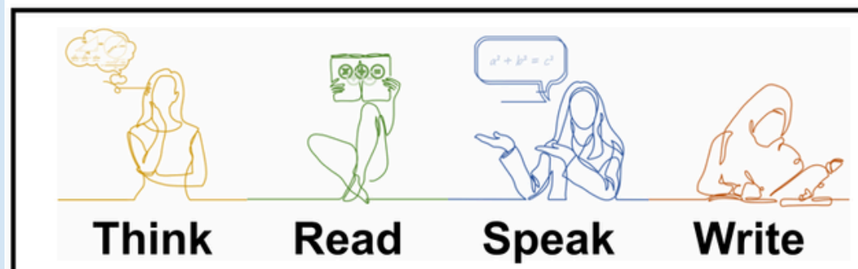
# HIGHER MATHS LEARNING JOURNEY

Our **mastery style** of teaching and learning encourages students of all ages and abilities to…




**Mathematics in context**

**Vocational courses**

**A Level Business Studies**

**Revision and examination**

SARAH BONNELL SCHOOL

## YEAR 11

**Algebra**

**Reasoning**

**Revision and communications**

**Graphs**

**Using number and expressions**

**Delving into Data**

**Similarity and Trigonometry**

**Equations and simultaneous equations**

**Geometry**

**Proportions and proportional change**

## YEAR 10

**Statistics and probability**

**Reasoning with proportion**

**Reasoning with geometry**

**Reasoning with number**

**Developing geometry**

**Reasoning with data**

**Reasoning with Algebra**

**Constructions and congruence**

**Developing number**

**Algebraic techniques**

**Representations**

**Proportional reasoning**

## YEAR 9

**Reasoning with number**

**Developing number sense**

**Directed number and fractional thinking**

**Application of number**

**Place value and proportion**

**Algebraic thinking**

**Exploration Project**

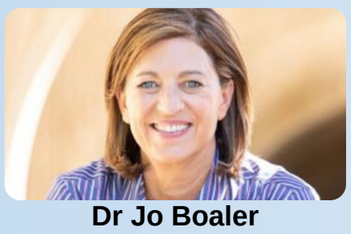
## YEAR 8

## YEAR 7

Pythagoras



Muhammad Ibn Musa Al-Khwarizmi



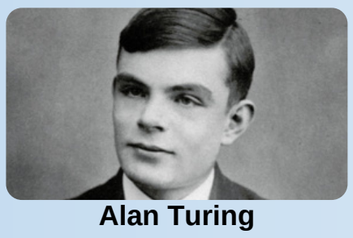
Dr Jo Boaler



Ada Lovelace



Terence Tao



Alan Turing

**Prior KS2 Knowledge**

Number Bonds. Place value. Multiplication & Division. Measurement. 2D shapes. Some Algebra

**Key Topics**

**Enrichment Calendar**

**Summer Term**

- Number Week
- UKMT Junior Maths Challenge

**Spring Term**

- International Pi Day
- UKMT Senior Maths Challenge

**Autumn Term**

- STEAM Day
- UKMT Team Maths Challenege

**Weekly Enrichment Sessions**

- Academic Mentoring Clinics
- Further Mathematics Level 3 Qualification