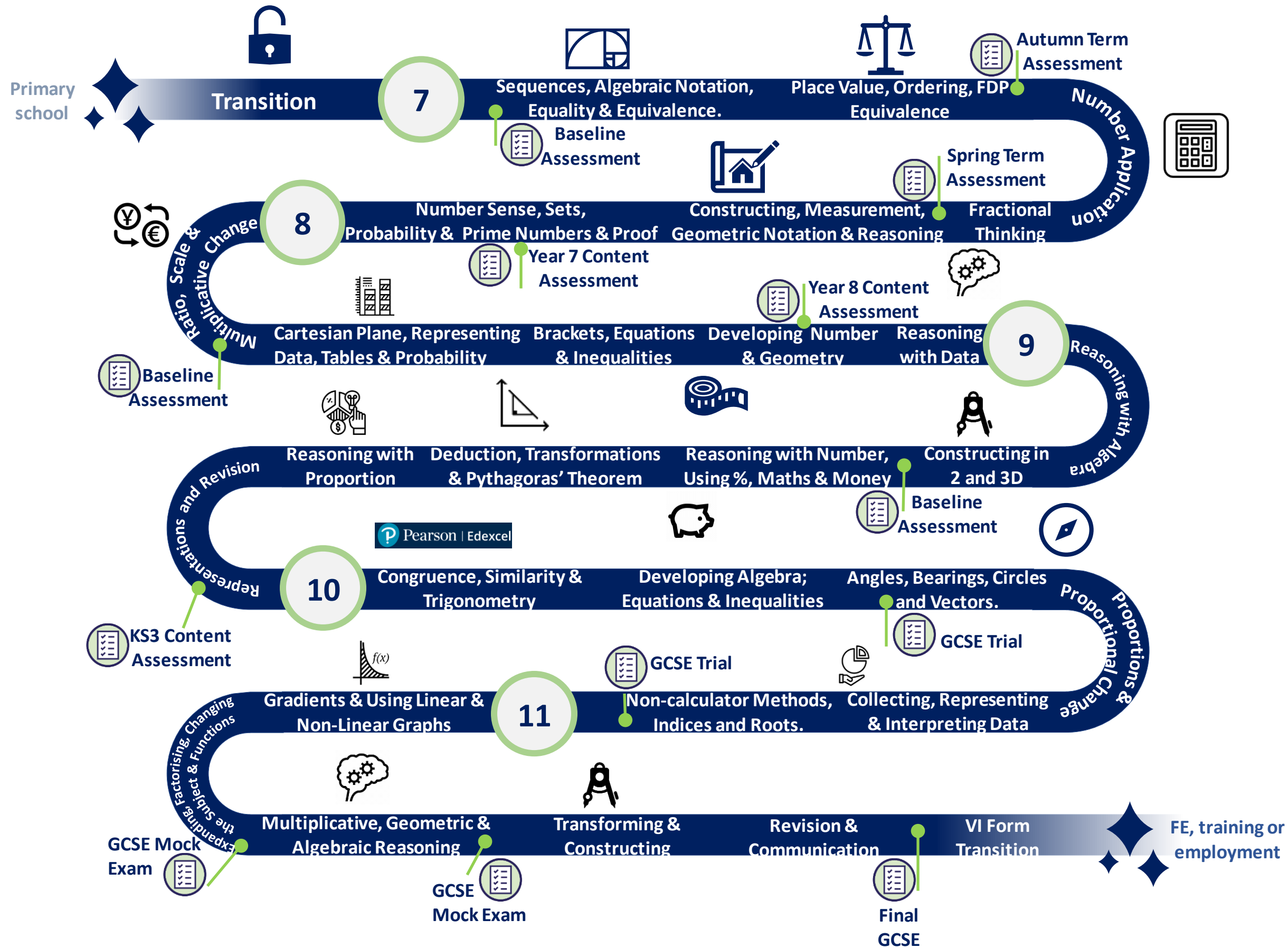


# Maths

In KS3 maths we follow the National Curriculum and in KS4 we study Pearson Edexcel Mathematics. We inspire students to become confident, resilient, lifelong mathematicians who can make their mark in society. This is whether they are applying maths to real-life situations or simply being able to enjoy, investigate and appreciate the purity, beauty and power of a subject that underpins the development of the natural and built environment.



**Knowledgeable & Expert Learner**

Spotting and generalising patterns and links starts on day one with sequences & continues over the 5-years as each strand is interleaved, for example:

- Averages within number; year 7 term 2.
- Fractions, decimals & percentages within probability; year 7 term 6.
- Algebra within geometry; year 8 term 5.

**Confident Communicator**

Verbal & written reasoning skills are taught within all 5 strands from year 7. Students learn to provide justification with their answers, e.g:

- Algebraic solutions in equivalence & equality; year 7 term 1.
- Describing linear correlation; year 8 term 2.
- Testing conjectures; year 9 term 1.

**Future Ready Learner**

Fluency, reasoning and problem solving tasks underpin the maths curriculum and work to enhance students' abilities to hypothesise, investigate, find solutions and make decisions. Key topics include:

- Geometric deduction; year 7 term 5.
- Comparing distributions; year 8 term 6.
- Solving proportion problems; year 9 term 5.

**Committed Community Contributor**

Our 5-year curriculum provides students with financial literacy and the functional skills needed in everyday life; as well as those required by industry. Key topics include:

- Application of number; year 7 term 3
- Representing and analysing data; year 8 term 2.
- Percentage calculations; year 8 term 4.
- Maths and money; year 9 term 3.
- Rates of change; year 9 term 5.

*No child left behind.*