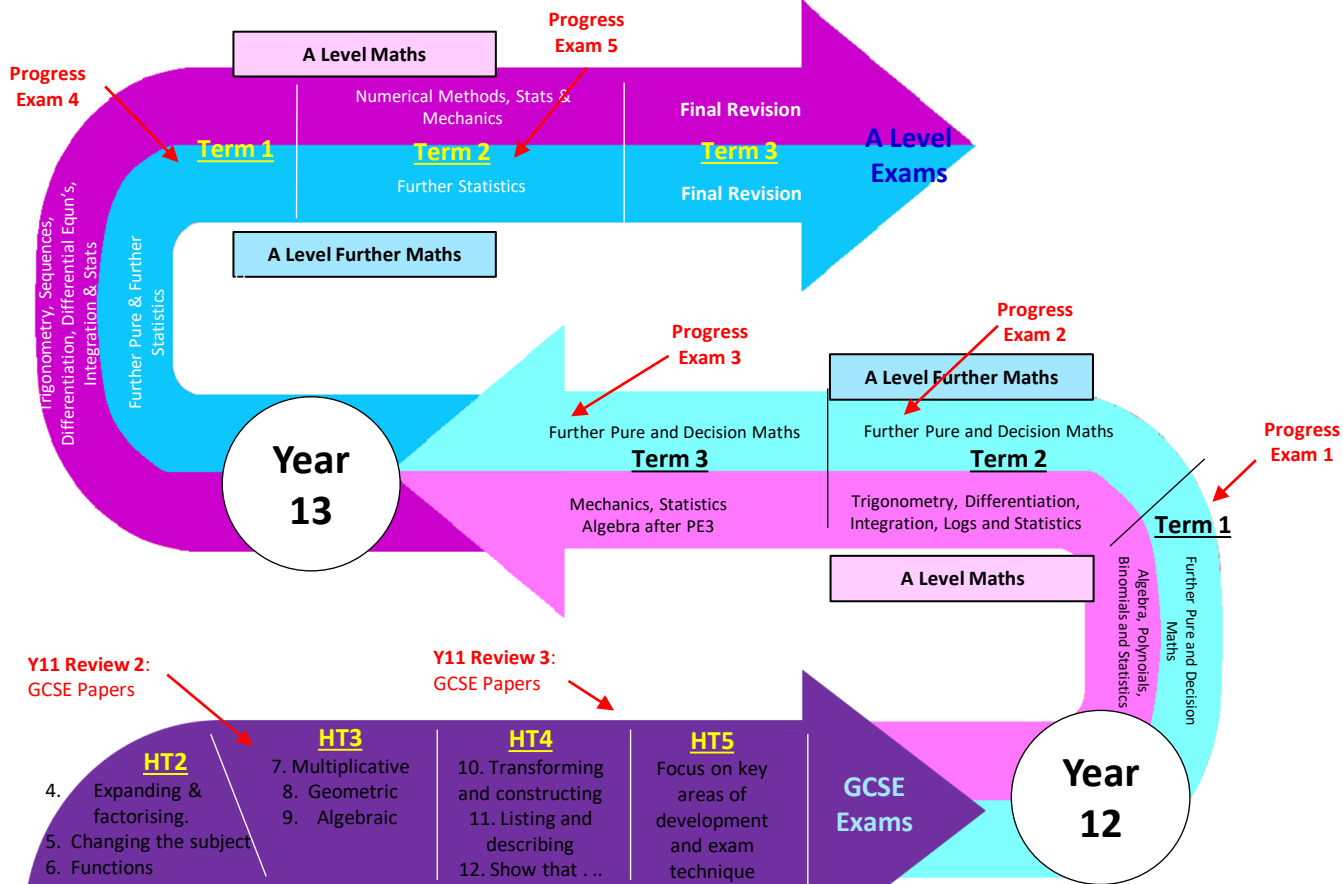


Year 12 & 13

Intent:

- Higher level mathematical thinking skills.
- Secure independent study skills.
- A passion for problem solving using various mathematical techniques.



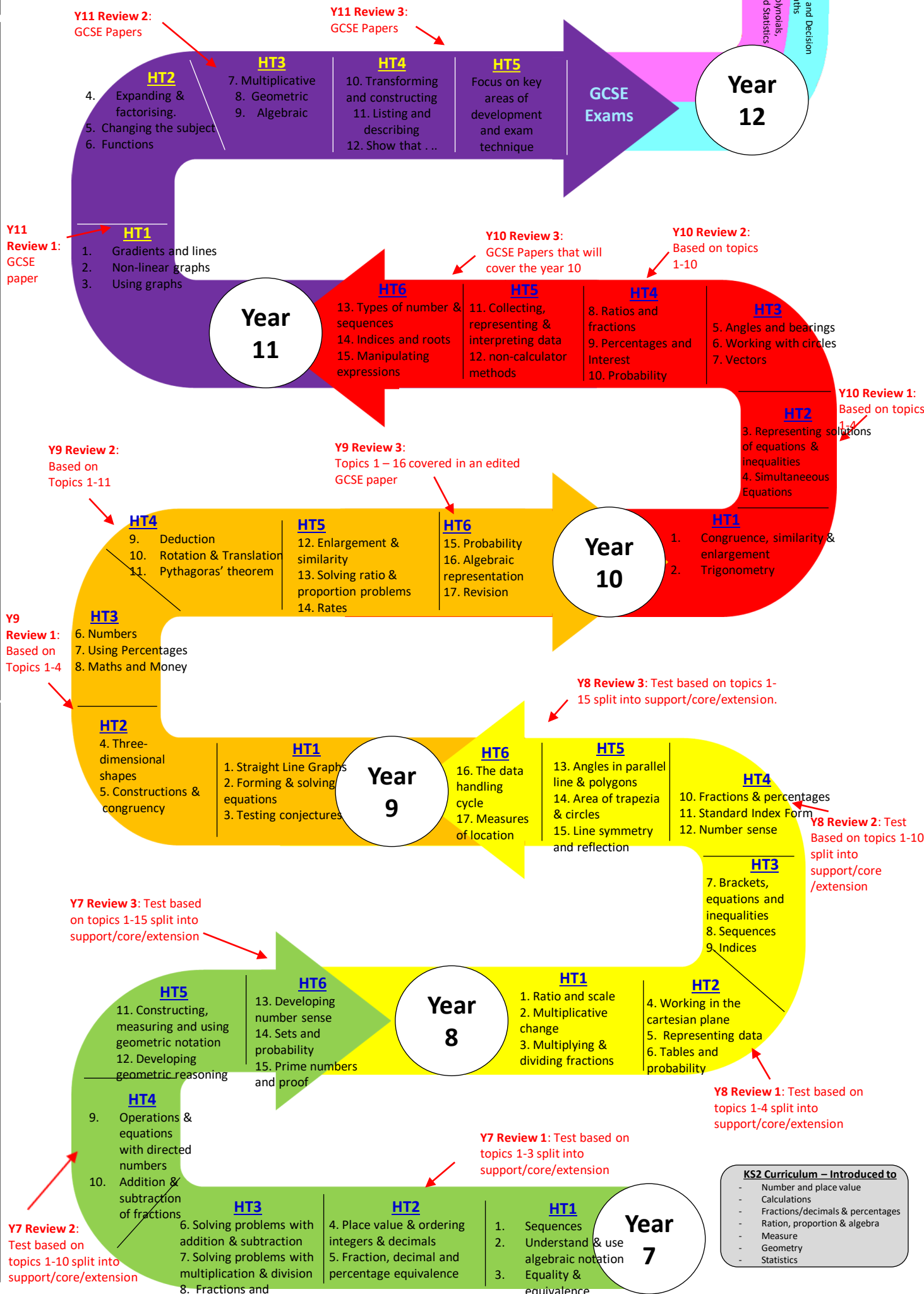
By the end of year 13, students will know how to:

- Understand (and use) higher level key concepts and subject techniques
- Confidently demonstrate high level problem solving skills
- Make excellent use of independent study time, showing a high level of autonomy and resilience

Year 9, 10 & 11

Intent:

- Continue to develop engagement, enjoyment, and interest in Maths.
- Develop mathematical thinking (reasoning and making connections).
- Secure fluency in all 6 strands of maths.
- Further develop skills from year 7 & 8 within different topics and situations.
- Independent study skills developing.



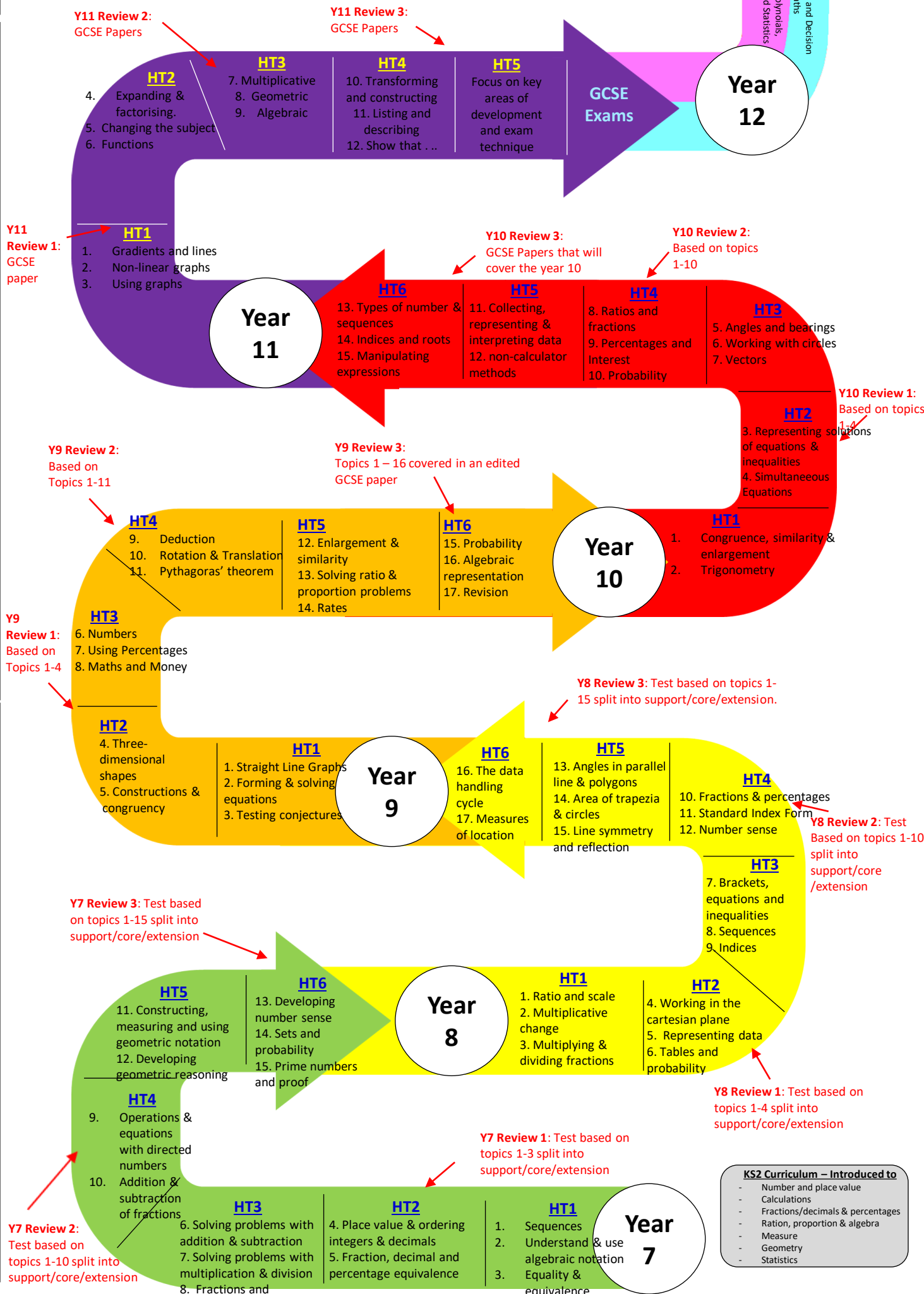
By the end of year 11, students will know how to:

- Identify their own strengths and weaknesses in Maths, and be confident in addressing them.
- recall and apply knowledge rapidly and accurately.
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Year 7 & 8

Intent:

- Engagement, enjoyment, and interest in Maths.
- Develop confidence to tackle problems using a range of mathematical techniques.
- Develop fluency (efficiency, flexibility & accuracy) in number and algebra skills required in GCSE and beyond.



By the end of year 8, students will know how to:

- Demonstrate continued engagement in Maths
- Justify their own approaches and methods
- Understand where their own strengths and weaknesses are in Maths and be keen to improve.