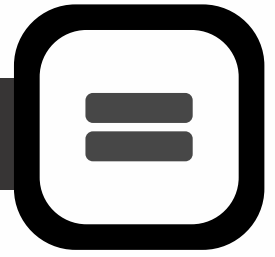


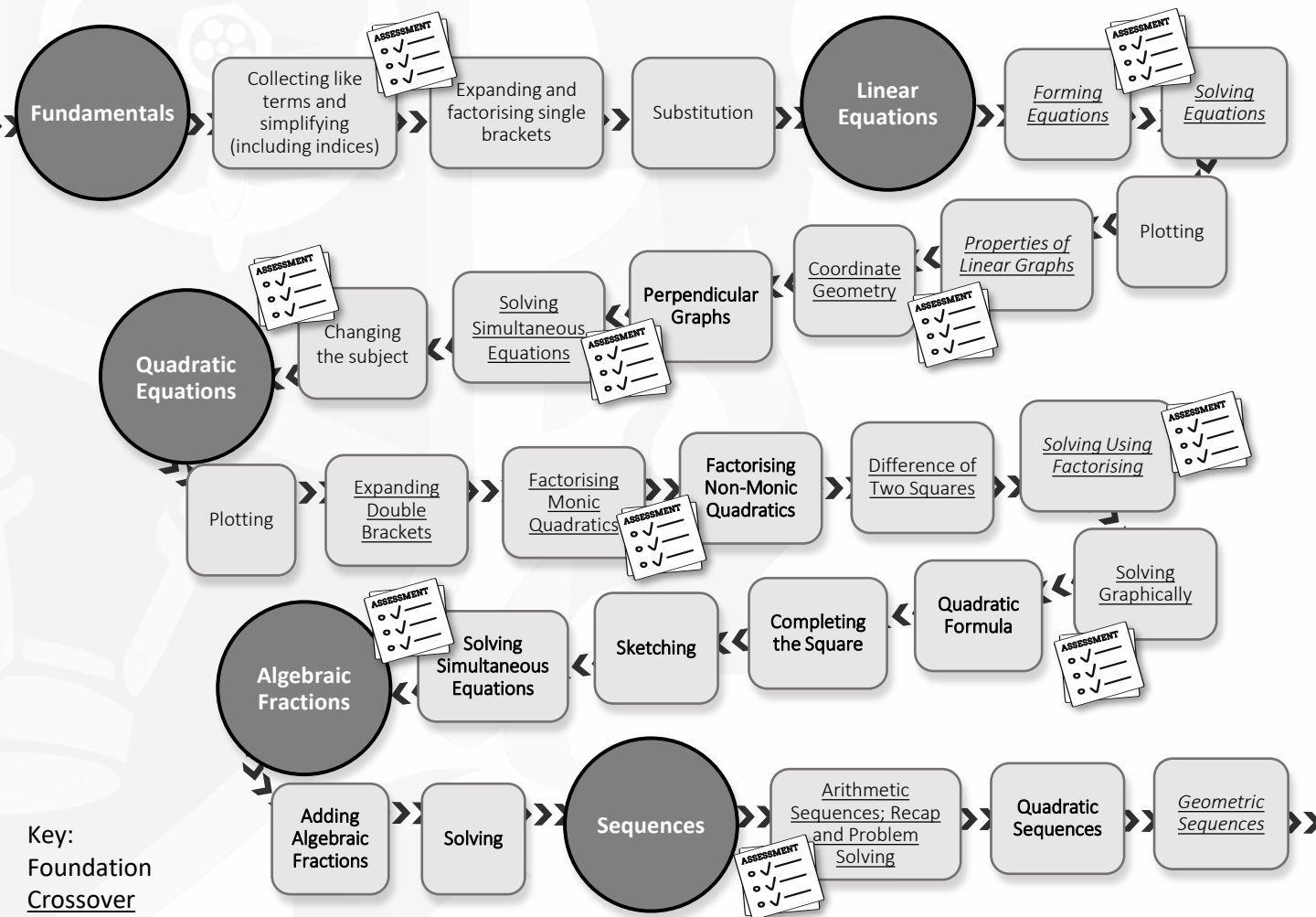
LEARNING JOURNEY MATHS



Algebra One

Year 11 Autumn Term – Higher Tier

The word “Algebra” comes from the Arabic word “al jabr,” which translates to “reunion of broken parts” and is an efficient way to define relationships between different variables. For example, the equation of a straight line is defined as $y = mx + c$, which is much quicker than explaining the same thing in words! This half term we will revisit the algebraic concepts you have met so far to ensure that you have a solid understanding in preparation for your GCSE exams. This may involve extending previous concepts to build on what you have learnt.

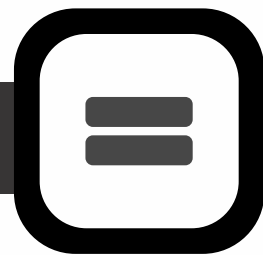


TUDOR HABITS AND VALUES: This term you will have lots of opportunities to practice applying your learning to exam style questions. This will require you to be open to failure and feedback.

VOCABULARY:

- ☐ Linear
- ☐ Quadratic
- ☐ Sequence
- ☐ Arithmetic
- ☐ Geometric

LEARNING JOURNEY MATHS

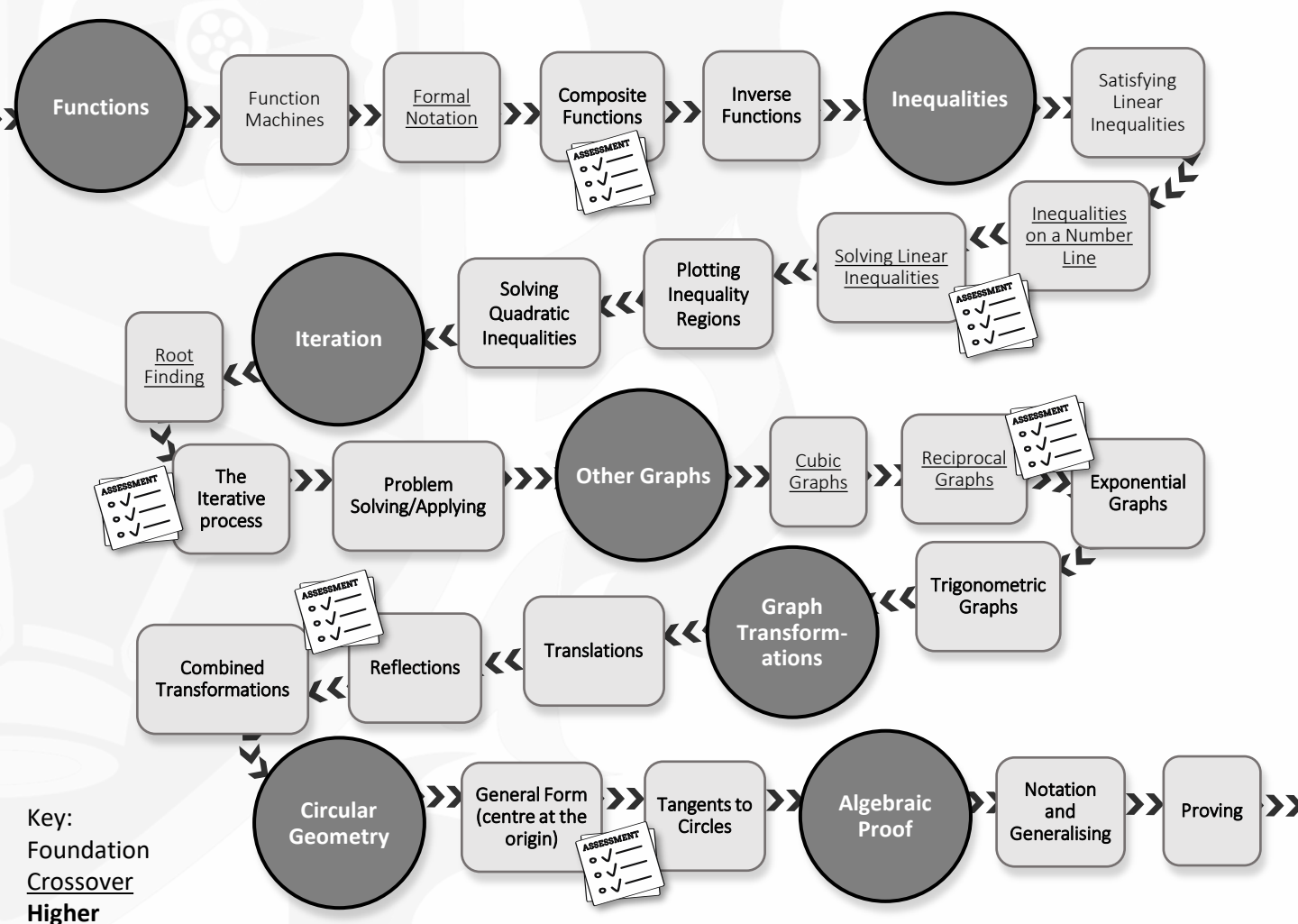


Algebra Two

Year 11 Autumn Term – Higher Tier

Algebra is an area of mathematics that is both broad and deep. Its applications go far beyond modelling simple relationships, and in this half term you will look at some of the wider parts of algebra needed for your GCSE. Some topics will feel familiar, and some will not. All topics will however use fundamental algebra skills that can be practiced while you extend your knowledge and learn new algebraic techniques that you may not have come across.

Your teacher will carefully guide you through this work, ensuring you meet topics that you will be able to grasp and explore in appropriate depth.



TUDOR HABITS AND VALUES: This term you will extend your current knowledge and learn new topics that will feel challenging. This will require grit and resilience as you persist in lessons and out.

VOCABULARY:

- ☐ Inequality
- ☐ Cubic
- ☐ Reciprocal