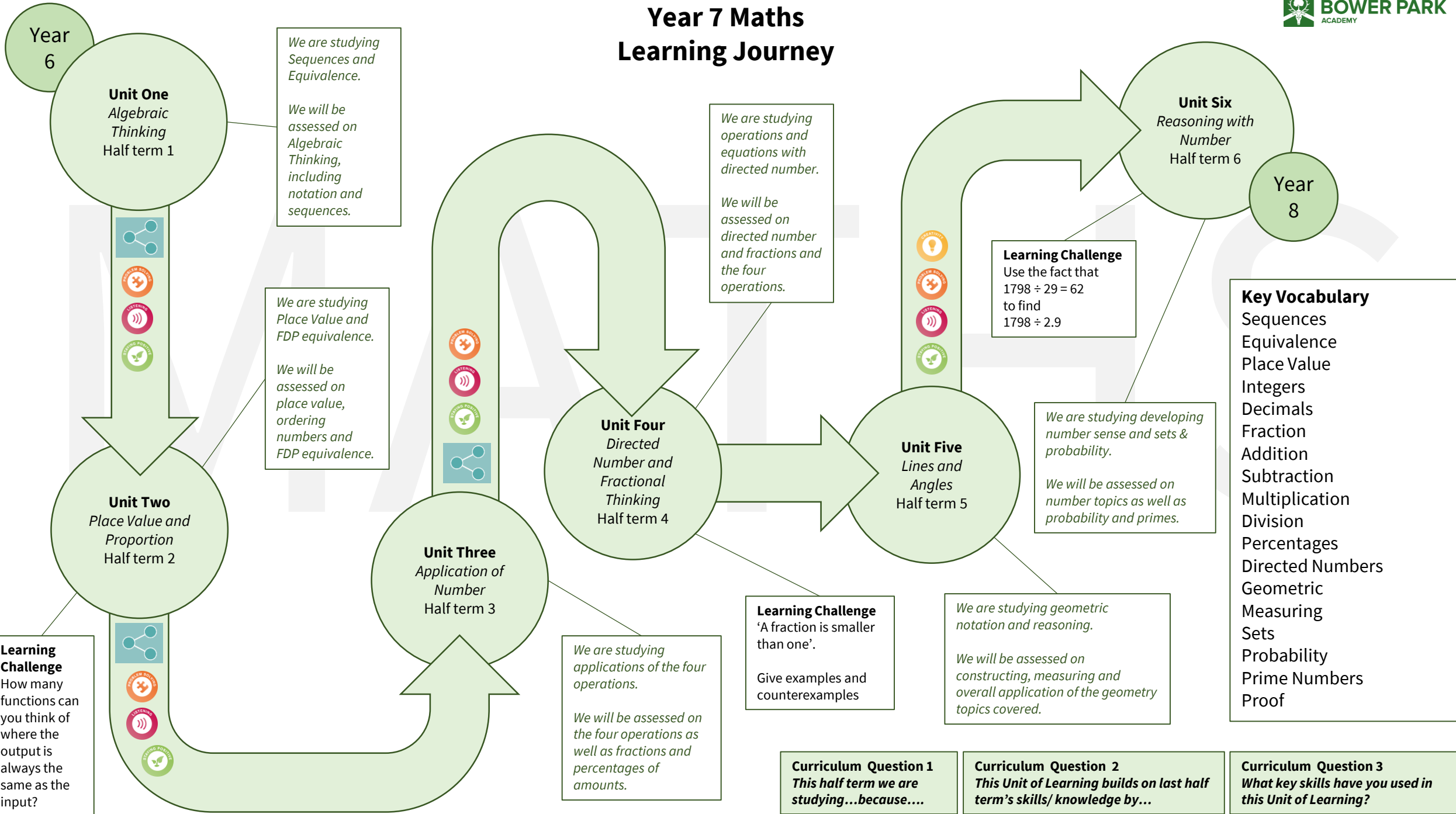
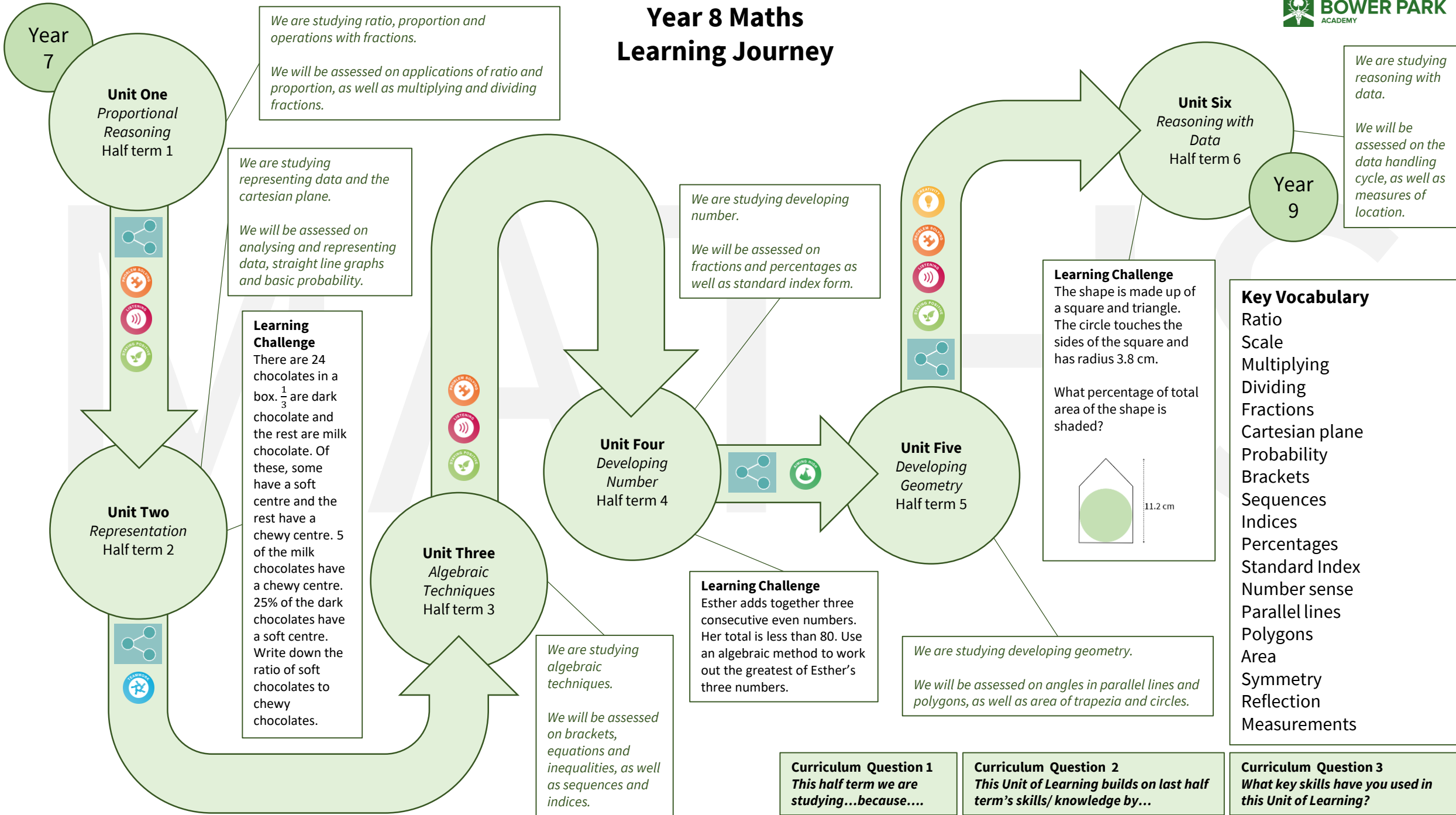


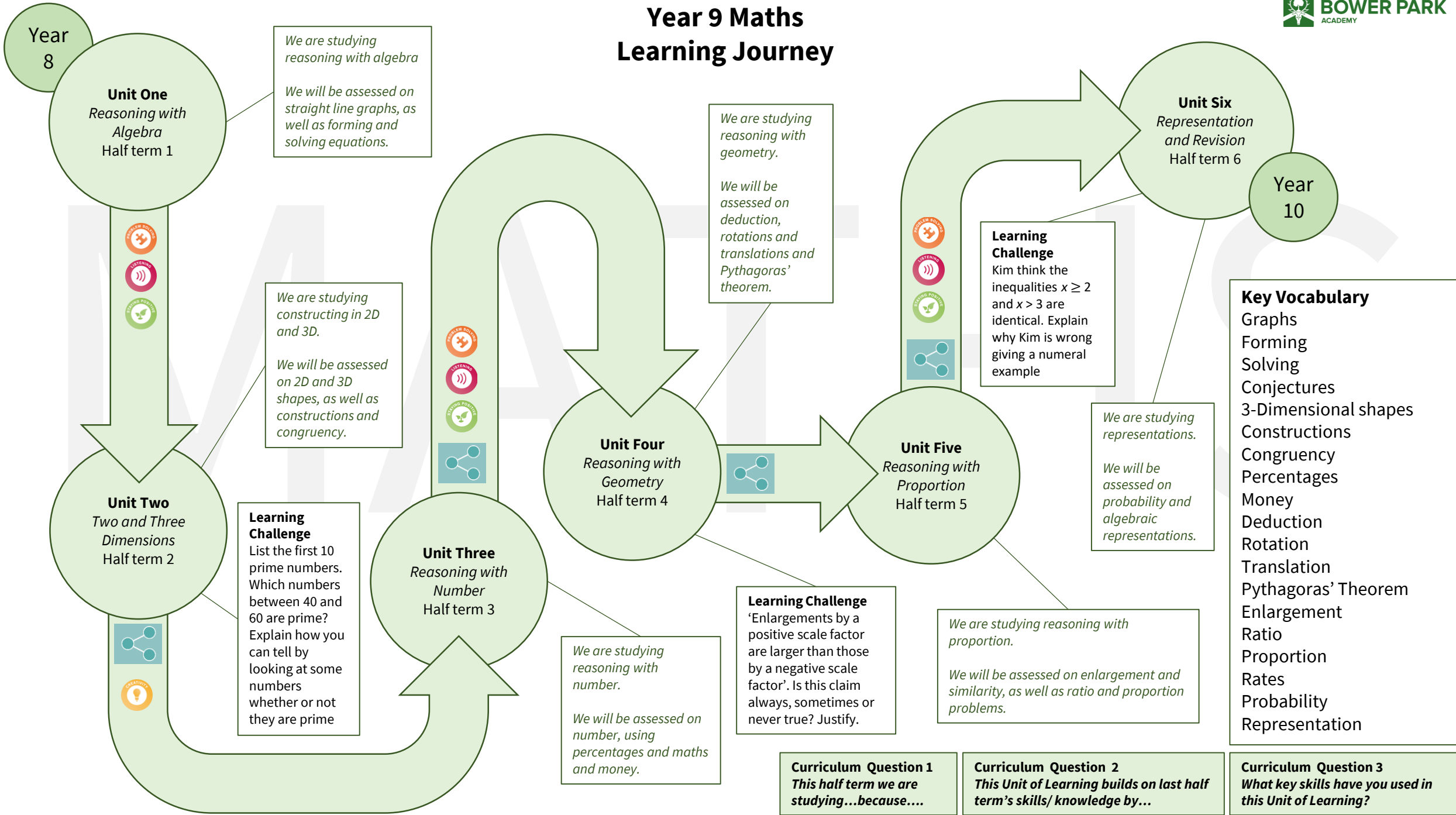
# Year 7 Maths Learning Journey



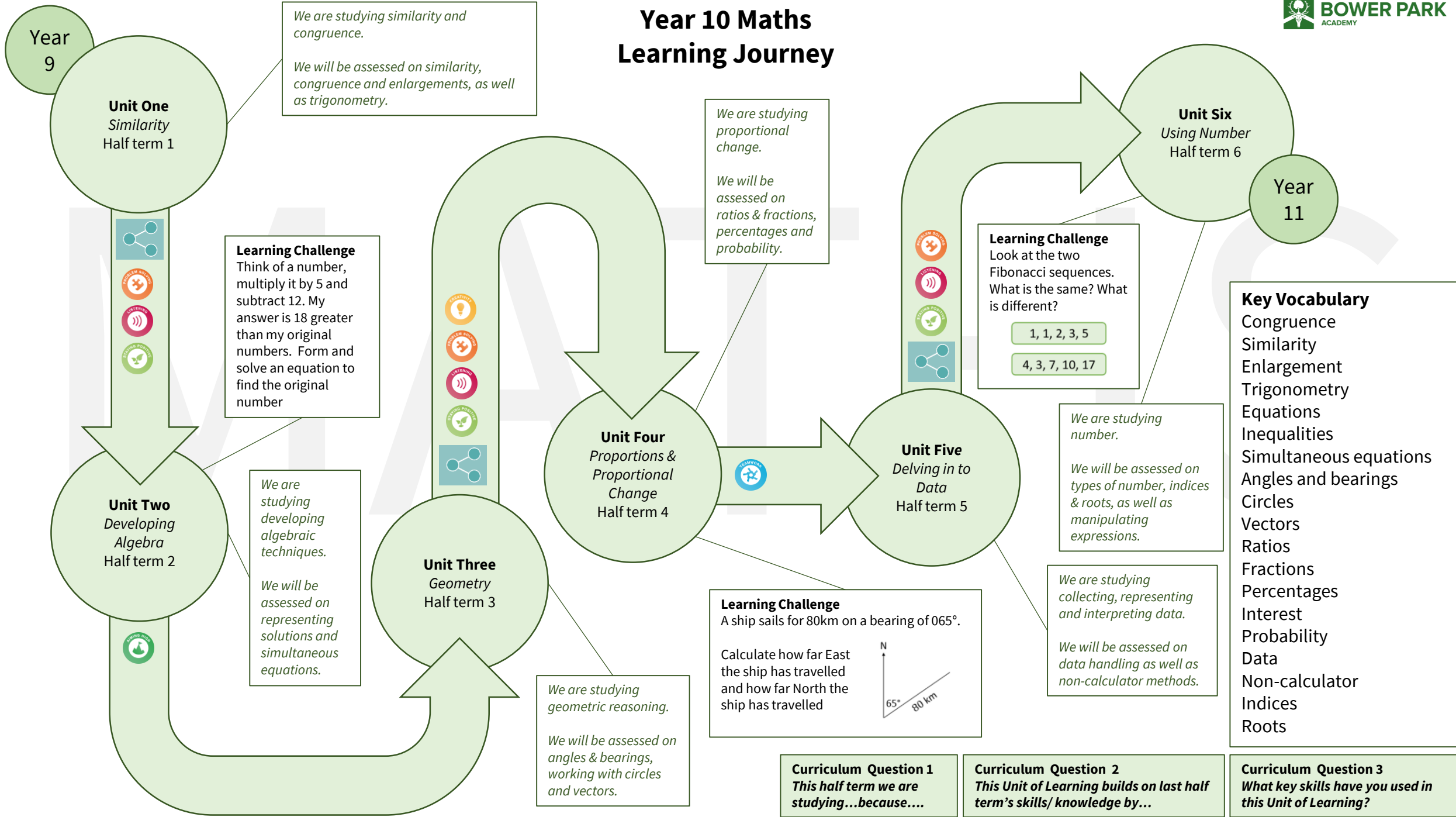
# Year 8 Maths Learning Journey



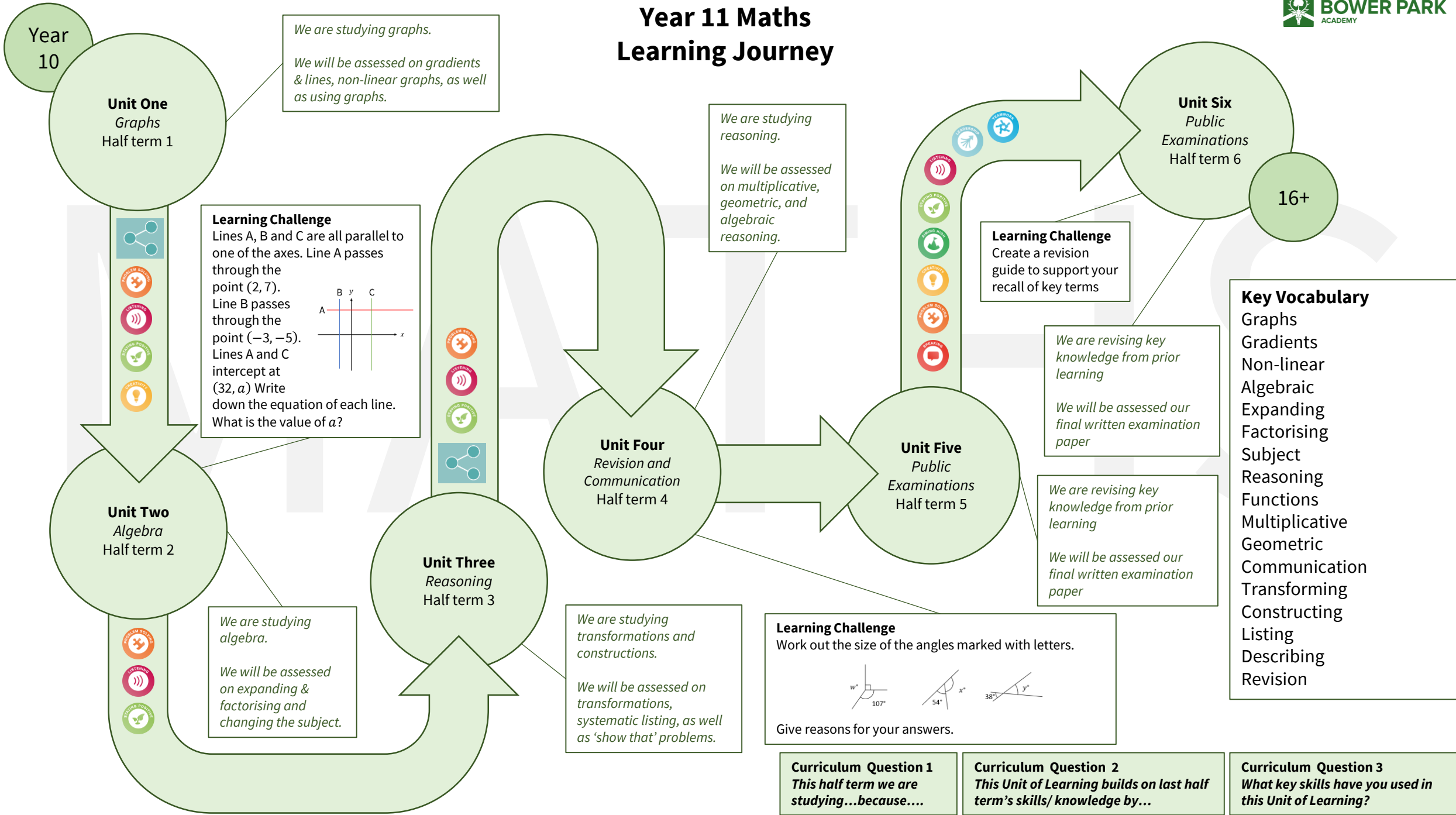
# Year 9 Maths Learning Journey



# Year 10 Maths Learning Journey



# Year 11 Maths Learning Journey



Year 10

**Unit One**  
Graphs  
Half term 1

We are studying graphs.  
We will be assessed on gradients & lines, non-linear graphs, as well as using graphs.

**Learning Challenge**  
Lines A, B and C are all parallel to one of the axes. Line A passes through the point (2, 7). Line B passes through the point (-3, -5). Lines A and C intercept at (32, a) Write down the equation of each line. What is the value of a?

**Unit Two**  
Algebra  
Half term 2

We are studying algebra.  
We will be assessed on expanding & factorising and changing the subject.

**Unit Three**  
Reasoning  
Half term 3

We are studying transformations and constructions.  
We will be assessed on transformations, systematic listing, as well as 'show that' problems.

**Unit Four**  
Revision and Communication  
Half term 4

We are studying reasoning.  
We will be assessed on multiplicative, geometric, and algebraic reasoning.

**Unit Five**  
Public Examinations  
Half term 5

**Learning Challenge**  
Work out the size of the angles marked with letters.

Give reasons for your answers.

**Unit Six**  
Public Examinations  
Half term 6

16+

**Learning Challenge**  
Create a revision guide to support your recall of key terms

We are revising key knowledge from prior learning  
We will be assessed our final written examination paper

We are revising key knowledge from prior learning  
We will be assessed our final written examination paper

**Key Vocabulary**  
Graphs  
Gradients  
Non-linear  
Algebraic  
Expanding  
Factorising  
Subject  
Reasoning  
Functions  
Multiplicative  
Geometric  
Communication  
Transforming  
Constructing  
Listing  
Describing  
Revision

**Curriculum Question 1**  
This half term we are studying...because....

**Curriculum Question 2**  
This Unit of Learning builds on last half term's skills/ knowledge by...

**Curriculum Question 3**  
What key skills have you used in this Unit of Learning?