**Athena** Sixth Form College

DOWNHAM MARKET ACADEMY

## Unit 1 Topic Title:

We are learning geometry! Geometry is useful in all forms of life, from architecture to sports. Being able to work with shapes and understand them opens a world of opportunities.

| Keyword | Definition |
|---|---|
| Simplify | Make the digits or terms lower |
| Recurring | repeating forever.  e.g. 0.66666666666666....... |
| Reciprocal | One over a number e.g. 1/5 is the reciprocal of 5 |
| Common denominator | Denominators of fractions that are the same value - necessary when adding or subtracting fractions |
| Numerator | The top number in a fraction |
| Sum | add up |
| Multiplier | A decimal number that represents a percentage increase or decrease |
| Inverse | The opposite of doing something |
| Improper Fraction | A fraction where the top (numerator) is bigger than the bottom (denominator) |
| Mixed Number | A number comprised of a whole number and a fraction |

| Interest | How much money you earn when putting money into a savings account (or pay when borrowing) |
|---|---|
| APR | Annualised percentage rate: refers to the percentage increase in value of a loan of savings account |
| Depreciate | Going down in value |
| Investment | An initial amount of money put into an account |
| Savings | The money that has been saved (not spent) |

**Unit 2 Topic Title:**

We are learning geometry! Geometry is useful in all forms of life, from architecture to sports. Being able to work with shapes and understand them opens a world of opportunities.

| Keyword | Definition |
|---|---|
| Congruent | Identical in form. |
| Tessellation | A pattern created with identical shapes which fit together with no gaps. |
| Polygon | A shape with at least three straight sides and angles. |
| Rotational Symmetry | The property a shape has when it looks the same after rotation as it did at its starting point. |
| Symmetry | The quality of being made up of exactly similar parts facing each other. |
| Transformation | When one shape is converted into another one of similar value. |
| Bisector | The division of something into two congruent parts. |
| Quadrilateral | A four-sided shape. |