## Year 8 Core Mathematics

## Learning Intentions Autumn Term 2 2024 - 2025

| | LESSON 1 | LESSON 2 | LESSON 3 |
|---|---|---|---|
| WEEK 9 wc 4th November | • Understand and simplify algebraic powers.<br>• Write and use expressions involving powers. | • Expand single brackets. | • Write and simplify algebraic expressions and formulae using brackets and division. |
| WEEK 10 wc 11th November | • Factorise linear expressions. | • Find the inverse of a simple function. | • Write and solve one-step equations using function machines. |
| WEEK 11 wc 18th November | • Solve two-step equations using function machines. | • Solve problems using equations. | • Solve equations using the balancing method. |
| WEEK 12 wc 25th November | • Interpret pie charts. | • Calculate angles and draw pie charts. | • Use two-way tables. |
| WEEK 13 wc 2nd December | • PAZ Revision – area & volume | • PAZ Revision – number | • PAZ Assessment |
| WEEK 14 wc 9th December | • Calculate the mean from a frequency table. | • Use tables for grouped data, find modal class and estimate range. | • Draw and interpret stem and leaf diagrams with different stem values. |
| WEEK 15 wc 16th December | • Find mode, median and range from stem and leaf diagrams. | • Compare two sets of data using averages and range. | • Compare two sets of data using the shape of a line graph or pie charts. |