

## YEAR 8

### MATHEMATICS

In Year 8, the girls are divided into a group of three forms and a group of two forms. Girls are set according to ability in these groups.

#### Curriculum Content

- Data Handling
- Integers, Numbers Facts and Prime Factors
- Transformations
- Percentages and fractions
- Probability
- Straight line graphs
- Ratio
- Algebra
- Trial and improvement
- Negative numbers
- Area and perimeters
- Constructions
- Knowledge, skills and understanding
- powers and roots
- the rules for directed numbers
- types of angles and bearings
- ratio and scale on maps and models
- statistics with grouped data, averages and range.

#### Skills:

Girls will have the ability to:

- use and apply Mathematics to solve problems
- check that solutions are sensible through approximation
- carry out calculations without the use of a calculator
- present data in suitable diagrams
- recognise simple number patterns
- draw and recognise simple straight line graphs
- draw and recognise simple transformations

#### Assessment Opportunities

Approximately every half term the girls sit a formal assessment covering the content they have covered that half term.

There is an end of year exam, which assesses the work covered throughout the year.