

**English**

Creative writing:

Know how plots are created.

Know the difference between character voice and character perspective.

Know the importance of including senses in descriptive writing.

Know positive and negative adjectives.

Know the difference between showing and telling in their writing.

**Maths**

Algebra:

Know how to form, solve, and expand equations and expressions.

Know how to factorise expressions.

Know how to change the subject in formulae.

Know how to plot and analyse a straight-line graph.

Know how to identify the gradient and y-intercept.

Know how to factorise a quadratic expression.

Know how to represent a quadratic function on a graph.

Know how to solve simultaneous equations.

Know how to solve simultaneous equations.

Know how to identify the input and output of a function machine.

**Science**

Biology:

Know how lungs, heart and blood vessels and blood are adapted for their function.

Chemistry: Know about extraction of metals.

Physics:

Know how to calculate power and work done.

Know how objects interact with each other, through force fields and contact forces.