St. Patrick's High School Keady

Mathematics Department

Learning Intentions

YEAR 8

Unit: Algebra

Stage: Basic Algebra

At the end of this unit **all** pupils should be able to:

-   Write an algebraic expression using rules of algebra
-   Simplify an algebraic expression by collecting like terms
-   Find the output for a given input to a function machine
-   Find the input for a given output to a function machine
-   Calculate the value of an expression by substituting values into it

At the end of this unit **most** pupils should be able to:

-   Solve simple linear equations where the unknown appears on only one side

At the end of this unit **some** pupils should be able to:

-   Solve problems involving linear equations
-   Multiply out single brackets using only positive numerical coefficients