

Introduction

Target audience KS3

Information for parents:

During study in KS3 and KS4, students will be expected to recognise the difference between various forms of algebra, this unit of work introduces them to the words Expression, Equation, Formula and Identity and explains the difference between them.

This activity is based on the standards unit A4 which can be found using the link below

<https://www.stem.org.uk/resources/elibrary/resource/26956/evaluating-algebraic-expressions-a4>

Information for students:

Follow the activities in the order given:

First consider some statements and decide if they are true or false.

Then you will be introduced to the different algebraic forms, identify which is which. Once you can do that you will be asked to do the following.

- Expressions can be evaluated.
- Equations can be solved.
- Identities should be verified.
- Formulas should link to what they are used for.

The last activity extends this concept; you are asked to look at various cards and decide if each one is always, sometimes or never true, depending on the values substituted. If it is sometimes true, can you work out which values it would be true for?