

**MyMaths references**    **Login:** Brimsham            **password:** prime

The following MyMaths paths & Hegarty clips will help you prepare for your AS level mathematics course:

	Mymaths	Hegarty Clip Number
Indices	Number-> Powers and Integers-> Indices part 1 Number-> Powers and Integers-> Indices part 2	103-110 173-175
Factorising	Algebra-> Use of Symbols->Simplifying 2 Algebra-> Use of Symbols->Factorising linear equations	168-171
Algebraic Fractions	Algebra-> Use of Symbols->Cancelling algebraic fractions Algebra-> Use of Symbols->Adding algebraic fractions Algebra-> Use of Symbols-> Multiplying algebraic fractions	172 187 229
Changing the subject of a formula	Algebra-> Formulae-> Rearranging 1 Algebra-> Formulae-> Rearranging 2	280-286
Quadratic Equations	Algebra-> Quadratics->Quadratic equations Algebra-> Quadratics->Quadratic formula Algebra-> Quadratics->Completing the square	223-228 230-244
Simultaneous Equations	Algebra-> Simultaneous equations->Simultaneous equations 2 Algebra-> Simultaneous equations->Simultaneous equations 3 Algebra-> Simultaneous equations->Quadratic simultaneous equations	190-195

### Skills for success

**Be organised** - keep your notes and work in clearly labelled folders. Make sure you know where everything is and that you can find it easily.

**Make sure your notes are clear and detailed** - not everything of use will be written on the board. Listen carefully to what the teacher says and note down any useful hints or tips. Your teacher will model the best way to approach problems or apply skills so you need to make sure your notes show clearly what you were doing. Annotate any hand-outs that you are given. Read through your notes to check you understand them and that nothing is missing.

**Be precise with your notation** - Look at the way the teacher models each technique and answer and try to do things in the same way. The way your answers are set out at AS level is very important.

**Be accurate with your answers** - AS level questions often have several joined parts where one answer feeds into the next. You will need to be accurate so that the answers make sense. A wrong answer could lead to more difficult work in the next part. Learn the quick checks that your teacher uses to check accuracy of calculations.

**Plan your time effectively** - You will be taught a number of new skills and you will not become *fluent* in these unless you practise them. It is not enough to understand the technique; you must practise to become confident in it. Make sure you have organised your time to do the homework set for the deadline you are given.

**Be prepared to change the way you do things** - GCSE methods are not always the quickest or most efficient way of doing things. Skills previously learned may need to be refined or changed.

***Get help from as many places as possible*** - it is vitally important that you understand the work as you go along. Be honest with yourself when you do not understand something and seek help. You can get some help from your peers, the text book or your teacher. The important thing is not to allow a technique or skill pass by without understanding.