

Non-GSA Student

Name:

Thank you very much for Maths at George Spencer for you're A-Level studies. We are looking forward to meeting you in September.

We subscribe HegartyMaths at GSA which is similar to MyMaths. This is where you will do your transition work for us. Since you are not a student here yet, you have not got your own personal account but we have set up an anonymous account for you to use. All work one on here, will be taken as yours. Unfortunately, the data will be lost and cannot be transferred over to your own personal account, when you arrive at GSA.

Log on to Hegarty Maths please visit hegartymaths.com -> Click on student login -> search for the school (NG9 7EW). Your details are as follows

First Name:

Last Name:

Date of Birth: 01/01/2016

It will then bring you to a page to create your own password for this account.

Once logged on you can search for the tasks on the transition list overleaf.

If you have any questions, please do not hesitate to contact me via email on cspears1@george-spencer.notts.sch.uk

Good luck, see you in September.

Mr Craig Spears

Y12 Mathematics Transition Work

As you transition from Year 11 to Year 12, it is very important to refresh your memory on certain mathematical skills. Moreover, it is vital that you have a sound understanding of some more difficult skills.

In the table below, you will find the skills that you should be confident with as you start Year 12.

You must get at least 75% on each of the Hegarty Maths tasks below and remember to use the videos (or other resources) if you find the work challenging.

The table of topics below is the work that must be completed by the first day back in Year 12.

Topic	Skill	Hegarty Task
Indices, Powers & Roots	Index form 7	
	Index form 8	108
	Multiplication & division with surds 2	109
	Simplifying surds	114
	Brackets involving surds 2	115
	Rationalising surds 2	117
Manipulating expressions	Factorise simple expressions 2	119
	Simplifying expressions by factorising 2	169
	Indices with algebraic expressions 3	171
	Change the subject of a formula 7	175
Linear Equations	Solve equations with algebraic fractions	286
	Simultaneous equations (elimination)	187
	Simultaneous equations (substitution)	193
	Simultaneous equations in context	194
Quadratics	Factorise quadratic expressions 6	195
	Simplify algebraic fractions (involving quadratics)	228
	Solving quadratic equations 4 (by factorising)	229
	Solve by completing the square 2	233
	Solve using the quadratic formula 2	239
	Quadratic equations from algebraic fractions	242
	Simultaneous equations involving quadratics	244
	Solving quadratic inequalities	246
Shape & Space	Pythagoras (applied)	277
	Trigonometry (multi-step 2)	502
		514

For those of you who wish to be thoroughly prepared, you are more than welcome to have a look at the full recommended list which can be found at:

[https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths Year 12 transition skills.pdf](https://s3-eu-west-1.amazonaws.com/aws-hegartymaths/resources/HegartyMaths%20Year%2012%20transition%20skills.pdf)

(To confirm, you only have to complete the work that is outlined in the above table.)