Year 11 Pre A level Maths work
Summer 2020

Dear Year 11 student,

You have had an unprecedented year so far but the school is determined to make the most of the situation to ensure that you come into the Sixth Form ready and well prepared for A levels.

You will need to purchase the Casio **FX-991EX CLASSWIZ** calculator to accompany the A level Maths course.

To help you make a smooth transition to A level Maths we would like you to remind yourself of some of the topics you met in the higher level of GCSE. To begin with you will be focussing on Algebra and Trigonometry and by doing this work it should make the first few lessons go much more easily. We would like to ensure you do not feel overwhelmed when you begin your Sixth Form studies. You will have a test on your GCSE skills during the first week in September!

Many of you will be familiar with MyMaths, for those of you who aren't the details of this are given below. We have chosen the GCSE parts relevant, to the beginning of the A level course for you to complete before the start of the Sixth Form. MyMaths has sections on each topic with an online lesson followed by a 'homework' task. We would like you to do the online homework task but the online lesson may help.

We would also like you to complete the GCSE papers before you start Sixth Form as these will help with consolidation of skills. You should be aiming to achieve at least 80% on each paper in order to give you the best possible start to A level Maths.

As an A level student, we have equally high expectations for the effort you will need to put into the course, only through an excellent attitude to learning and work ethic can students do well in A level Maths; use this compulsory summer work to demonstrate this.

How to access MyMaths.

Go to MyMaths.co.uk and login at the top of the homepage with the school's passwords.

The **school login** is telford
The **school password** is algebra

The MyMaths Library is at the top of the next screen. You will see Number, Algebra, Shape and Data. Click on the appropriate title. Then select the topic and then click an activity.
You will be offered a choice of completing a lesson or an ONLINE HOMEWORK (OH).

A new window will pop up. To record your scores you must type in your own login and password into the boxes each time you attempt the task.

Login Details

Thomas Telford Year 11 students are to use their usual individual login and passwords.

Students who are new to the school will need to contact Mr Rawlings for their individual login and passwords.

When you have completed both pages of the Online Homework the scores will be saved to the database. Your teacher will be able to see how well you did and when you completed it.

You will have been set some tasks. Access your task sheet on the main menu to find them. You will also find your results here.

If no lessons are appearing then you have a **Pop-Up Blocker** installed. You MUST allow MyMaths.co.uk to use Pop-Ups.

Section	Folder Name	Topic
Algebra	Algebraic Manipulation	Factorising Quadratics 1
		Factorising Quadratics 2
		Cancelling Algebraic Fractions
		Adding Algebraic Fractions
		Multiplying Algebraic Fractions
Algebra		Quadratic Equations 1
		Quadratic Equations 2
		Completing the Square
Algebra	Equations - Quadratic	Quadratic Formula
		Quadratic Equations - fractions
		Quadratic Simultaneous Equations
Algebra	Equations - Simultaneous	Simultaneous Equations 2
		Simultaneous Equations 3
		Simultaneous Negatives
Algebra	Expressions and Formulae	Rearranging 2
Algebra	Graphs	y = mx+c
		Equation of a Line 2
		Equation of a Line 3
		Properties of Quadratics
		Reciprocals
		Exponential Graphs
		Recognising Graphs
		Equations of Circles
		Solving with Graphs
		Transforming Graphs 1
		Sketching Quadratics 1
		Sketching Quadratics 2
		Sketching Cubic Graphs
Algebra	Inequalities	Negative Inequations
		Quadratic Inequalities
Shape	Trigonometry	Trig Missing Angles
		Trig Missing Sides
		Trig Angles of Elevation
		Special Angles
		Sine Rule
		Cosine Rule Sides
		Cosine Rule Angles
		Trig Area of a Triangle
		Sine and Cosine Graphs
		Tan Graphs

We hope you will find most of this work to be straightforward and that it gives you confidence as you approach your first Maths A level lessons. You should be able to get green lights on all of these MyMaths tasks and over 80% on the GCSE papers.

This will help you feel much more confident in starting A levels after such a disrupted year.

All the best
Mrs Dean