



NORLINGTON SCHOOL & 6TH FORM

A SPECIALIST MATHEMATICS AND COMPUTING SCHOOL

Wisdom is Strength

July 2020

Re: Transition to Year 10 – Core Subjects

Dear Parent, Carer and Year 10 Student,

We would like to say thank you for your support in encouraging your son to engage and complete activities during this uncertain time. We are fully aware of the challenges that remote study has posed, and the impact that this has had on their learning.

For Maths, we would like to provide you with some information and guidance to ensure your son returns fully prepared for the year ahead. The transition to Year 10 will be much smoother if he dedicates a **minimum of 2 hours per week, per subject to school work.**

As you know, students were scheduled to develop further knowledge and skills in preparation for the start of their GCSE courses. The period of time lost has meant that students will have had to navigate some new skills and new knowledge independently. Therefore, in order to measure the needs of the students, and also ensure that students are not disadvantaged in their GCSE preparation **we are to assess them when they return.**

In order for your son to be prepared for these assessments, you will find details of what they have learned in Year 9, what they will be assessed on, what they will be studying when they return and what they need to revise.

We are aware that the majority of our students have worked exceptionally hard over the last few months and are looking forward to a break over the summer. The news of assessments upon return and summer revision may not be welcomed. However, it is worth reminding students that, regardless of COVID-19, Year 9 students have always worked over the summer before Year 10 – in this aspect, this is nothing unusual. Students need to balance this summer. They need to have a schedule that includes plenty of time to socialise, exercise and rest, but also, factors in revision time too.

If you have any questions, please make contact during term time using the email below.

Thank you for your continued support and we wish you a restful summer.

Yours sincerely

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Maths

In **Year 9**, the modules and topics your son has completed can all be found on the cycle sheets on the school website under the curriculum section. During lockdown, the maths teachers at Norlington have been setting work on Hegarty Maths on the following topics:

Higher tier:

Equation of a Line
 Real Life Graphs
 Metric & Imperial Units of Measurement
 Perimeter & Area of Compound Shapes
 Prisms – Volume & Surface Area
 Circles – Sectors and Segments
 3D Solids – Cylinders, Cones and Spheres
 Transformations
 Bearings
 Constructions & Loci

Foundation tier:

Angles – Drawing & Measuring
 Angles in Polygons
 Long Multiplication
 Long Division
 Problem Solving -> Compound Measures
 Perimeter & Area of 2D Shapes
 Metric Measures
 Nets
 Prisms – Volume & Surface Area
 Average + Stem & Leaf Diagrams

In addition to the above, your son has been set a mixture of tasks (2 hours per week) to complete over the summer to recap content learnt in Year 9.

In **Year 10** your son will officially begin the GCSE 1MA1 Edexcel course. Please find an overview of the 1st cycle below.

Specification & Exam Board:	Link to GCSE Specification can be found here
Pearson Edexcel GCSE Maths (9-1) - 1MA1	

CYCLE 1 (First 6 weeks)		
	Higher Tier (Grade 6-8 Topics)	Foundation Tier (Grade 3-5 Topics)
Topics	<ul style="list-style-type: none"> - Quadratic Equations - Completing the Square - Simultaneous Equations (Linear and Quadratic) - Sketching Graphs - Linear Inequalities - Product Rule for Counting - Probability of Events 	<ul style="list-style-type: none"> - Co-Ordinates - Straight Line Graphs - Equation of a Line - Real Life Graphs - Forming & Solving Equations - Simultaneous Equations (Linear) - Long Multiplication - Long Division
Y10 Schemes of Learning Master File	Google Drive Links: https://drive.google.com/file/d/1RNT_fS6QLpCWJh4m_224WAr4Ah3BpJb/view?usp=sharing	
Student Cycle Sheets	https://drive.google.com/file/d/1X6tS4v6qAgZrfNHOH68Oybyzxiq1kYiB/view?usp=sharing	https://drive.google.com/file/d/191N9qBMQM0-QueOymN1-W9b17rNFxgNS/view?usp=sharing
Useful Websites	www.hegartymaths.com – Your son has a mixture of tasks to complete over the summer break on Hegarty. www.corbettmaths.com - Has videos, worksheets and practice exams. www.drfrostmaths.com – A fantastic site which is free to use.	