



NORLINGTON SCHOOL & 6TH FORM

A SPECIALIST MATHEMATICS AND COMPUTING SCHOOL

Wisdom is Strength

July 2020

Re: Transition to Year 11 – Core Subjects

Dear Parent, Carer and Year 11 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 11 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 have end of year exams this month; these exams are an important milestone in the run-up to the real GCSE next summer. In order to 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 10, 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 10 students have always worked over the summer before Year 11 – 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 10, 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:

Advanced Trigonometry
 Graphs of Trigonometric Functions
 3D Pythagoras
 Equations & Graphs
 Algebraic Fractions
 Surds
 Equation of a Line
 Circle Theorems

Foundation tier:

Probability
 Growth and Decay (Percentages)
 Constructions & Loci
 Accurate Drawings of 3D Shapes
 Bearings
 Quadratic Functions – Expanding &
 Factorising
 Circles – Area and Volume

In addition to the above, your son has been set 18-20 tasks (2 hours per week) to complete over the summer to recap content learnt in Year 9 and 10.

Currently, there are no proposed changes to the maths syllabus and so in Year 11 we have additional content to cover. Please find an overview of this for the 1st cycle below.

Year 11 - Upon returning to school, your son will be assessed on at least 50 topics from the Pearson Edexcel 1MA1 specification as follows:

Assessment: Paper 1 – Non-Calculator (1.5 hours, 80 marks) Paper 2 – Calculator (1.5 hours, 80 marks)			
CYCLE 1 (First 6 weeks)			
	Higher Tier (Grade 7-9 Topics)	Crossover (Grade 5-7 Topics)	Foundation Tier (Grade 3-5 Topics)
Topics	<ul style="list-style-type: none"> - Vector Calculations - Vector Proof - Algebraic Fractions - Algebraic Proof - Functions - Proportionality - Non Linear Graphs 	<ul style="list-style-type: none"> - Indices, Powers and Roots - Standard Form - Ratio & Proportion - Compound Measures - Exchange Rates - Quadratics – Expanding & Factorising 	<ul style="list-style-type: none"> - Fractions Calculations - Indices, Powers and Roots - Standard Form - Expanding & Factorising single brackets - Solving Quadratics
Y11 Schemes of Learning Master File	Google Drive Links: https://drive.google.com/file/d/11mKy-t4JJRL_Svhvxs5ReobA0jMUyWY2/view?usp=sharing		
Student Cycle Sheets	https://drive.google.com/file/d/11usT9Vx22um4lvzSjTJ4eWHAWixfce99/view?usp=sharing	https://drive.google.com/file/d/1Wsr1MRyupN3-ujTbaqCiSQLbDwq8Ajm/vie w?usp=sharing	https://drive.google.com/file/d/1qrxlZjya9srFgicdNjaKFj0Vi mBeBCTD/view?usp=sharing
Useful Websites	www.hegartymaths.com – Your son has 18 tasks to complete over the summer break on Hegarty. www.corbettmaths.com - Has videos, worksheets and practice exams. www.dr frostmaths.com – A fantastic site which is free to use.		