Subject: Core Maths Curriculum

Year 13

Overview	Maths Core Maths (AQA) Designed to advance learners' skills while developing knowledge, AQAs qualifications help learners either progress to higher education or go directly into employment. They are grounded in the quality and traditions of the British education system made relevant for today's UK and international learner.

	Half Term 1	Half Term 2	Assessment
Autumn Term	**Representing Data Graphically:** ■ Constructing and interpreting diagrams for grouped discrete data and continuous data, ■ Knowing their appropriate use and reaching conclusions based on these diagrams. **Representing Data Numerically:** ■ calculating/identifying mean, median, mode, quartiles, percentiles, range, interquartile range, standard deviation	**Representing Data Numerically:** ■ interpreting these numerical measures and reaching conclusions based on these measures. ■ using a calculator to find values of such a function. **The Function a^x** ■ using a calculator log function to solve equations of the form $a^x = b$ and $e^{kx} = b$. **The Number e:** ■ understanding that e has been chosen as the standard base for exponential functions. **Exponential Growth and Decay:** ■ formulating and using equations of the form $y = Ca^x$ and $y = Ce^{kx}$	We do one assessment in Core Maths towards the end of the half term 2.

	Half Term 3	Half Term 4	Assessment
Spring Term	**Maths for personal finance (Review)** Interest rates ■ Simple and compound interest ■ Savings and investment ■ Annual equivalent rate (AER) **Repayments and cost of credit** ■ Student loans and mortgages ■ Annual percentage rate (APR) **Graphical Representation** ■ Representing financial situations graphically	**Maths for personal finance (Review)** **Taxation** ■ Income tax, national insurance, VAT **Solutions to financial problems** ■ Effect of inflation ■ Currency exchange including commission ■ Budgeting	We do one assessment in Core Maths towards the middle of the half term 4.

Useful Resources for Supporting Your Child at Home:	Homework:
https://integralmaths.org/ **https://padlet.com/andrewharrison6/ks5-resources-uej0gwybac1nnc9f**	Homework is Minimum Expectations are: ■ All MEI Section test to be completed online this is marked by the online program ■ When requested Topic Assessment tests and exam practice questions might be set by teachers. Other Topic specific questions are available in Class Material in Teams.