A Guide to Topics to be covered by 8D- Summer 2021

|  |  |  |
| --- | --- | --- |
| FORM 8D | Key areas to be studied | Resources/Key texts used |
| MATHS | Common Entrance: Number and numeracy: Calculating with decimals, fractions, ratios and percentages. Algebra: Simplifying, substitution, expanding brackets, factorising and solving equations. Space and shape: Transformations, line graphs, regular polygons, bearings and scale drawing. Data handling: Bar graphs, pie charts, conversion graphs, scatter graphs, travel graphs and MMMR. Level 3 Topics: Inequalities, Pythagoras’ Theorem, simultaneous equations, trial and improvement, prism volume. UKMT Junior Mathematics Challenge practice. | Revision notes  Past paper questions and exercises Text Book “So you really want to learn Maths Prep – books 2 and 3”  S. Alexander (ISEB)  BBC Bite size Key Stage 3 Mymaths  CGP Maths Workbook |
| ENGLISH | The main focus for the term will be a study of 'Romeo and Juliet' including a detailed study of the complete text supported a variety of audio visual aids including an audio performance, two different film versions and a recent performance at the Globe Theatre. We will pick up the key details of context for Shakespeare's theatre and his life and times and perhaps touch upon some of the performance history of the play. This will feel quite like the sort of study experience that the children will have at GCSE/A level English Literature (or their equivalents) in the future although, after a busy term with plenty of written tasks, most of this work will ideally be classroom discussion.  Around this, we will continue with some detailed poetry analysis (one lesson per week) with a particular view of Oundle and Winchester scholarship papers and some occasional Winchester General Paper challenges.  Those candidates with examinations still to complete will also have extra sessions with me (at least two per week) to cover more past paper examples. |  |
| FRENCH | * Revision of key words for writing such as connectives, adjectives (+agreement). * Revision of tenses and irregular verbs (perfect, imperfect, present and immediate and simple future tenses) * Listening practice * Writing of letters * Past papers practice and oral revision * Learning about slavery and human rights | * Scholarship Past papers * Scholarship listenings * Studio 2 and 3 * Worksheets * Wheeldecide website * Powerpoints * Ipads |
| SCIENCE | * Revision for Oundle/Winchester exams * Bright Ideas Challenge * Smells and perfumes * Structure of DNA | * ISEB revision guide (13+) * Revision notes * Past paper questions and practice exercises * Text Book “So you really want to learn Science – book 2” W.R. Pickering (ISEB)   BBC Learning Zone / Science / Secondary (Clips) |
| HISTORY and GEOGRAPHY | Transatlantic Slave Trade   * “Should Britain have to apologise for its Empire?” * Industrial Revolution * Triangular Trade * Plantation Life * Abolition Movement   Civil Rights Movement   * American Revolution * The Great Migration * Jim Crow Laws * Impact of WW2   Scholars with exams this term will continue to prepare for them. | * BBC Bitesize * YouTube * PDF - KS3 History 4th Edition: Revolution, Industry and Empire: Britain. |
| RS | Philosophy  Group work focusing on one of the key philosophers Immanuel Kant David Hume Thomas Aquinas John Stuart Mill Plato Group work based on an RS/contemporary issue of their choice. | Boardworks |
| LATIN | * Revision of Grammar topics. * Scholarship Past Papers. * Classics Projects | * Bass, ‘Practice Exercises Level 3’. * Past papers |
| GREEK | * Revision of Grammar topics. * Scholarship Past Papers. * Classics Projects | * Waite & Pragnell, ‘An Introduction to Classical Greek’. * Taylor, ‘Greek to GCSE’.   Past papers. |