

**Faculty Revision Topics for Year 8 - 2017 Summative Examinations**

<p><b>Design, Technology &amp; Innovation</b></p> <ul style="list-style-type: none"> <li>- Preliminary Research: On the Beach</li> <li>- Investigate products that are designed to be used 'On the Beach'. You could include products made from food, textiles or resistant materials.</li> <li>- Identify three specific products and produce a written evaluation of each using the following headings:             <ul style="list-style-type: none"> <li>- Ease of Use</li> <li>- Value for money</li> <li>- Safety</li> <li>- Durability</li> <li>- Appearance</li> </ul> </li> <li>- Forces and structures</li> <li>- Materials</li> <li>- Electronics</li> <li>- Food packed lunches and the Eatwell plate</li> </ul> <p><b>Computer Science</b> – Webpage design and HTML coding</p> <p><b>Art</b></p> <p>You will have already begun a GCSE style project in which you are carrying out artists research and experiments. You will then create a final piece over the course of terms 4 and 5.</p>	<p><b>English</b></p> <p>Skills needed:</p> <p>Reading:</p> <ul style="list-style-type: none"> <li>- Identifying the main points in texts.</li> <li>- Analysing how writers use language for effect.</li> <li>- Analysing how writers organise texts for effect.</li> </ul> <p>Writing:</p> <ul style="list-style-type: none"> <li>- Writing for different audiences and purposes.</li> <li>- How to use a range of punctuation: commas, apostrophes, colons, semi-colons, brackets, exclamation marks, question marks, speech marks.</li> <li>- How to use a variety of sentence structures for effect.</li> <li>- Organising ideas into paragraphs.</li> <li>- Organising writing effectively so that it has a clear structure.</li> </ul>
<p><b>Science</b></p> <ul style="list-style-type: none"> <li>- Digestion</li> <li>- Inheritance and GM</li> <li>- Plants</li> <li>- Diseases &amp; Microbes</li> <li>- Particles, the Elements</li> <li>- Reactions in our Environment</li> <li>- Compounds and Mixtures</li> <li>- Thermal Energy</li> <li>- Forces and Transport</li> <li>- Forces and Motion</li> <li>- Energy and Waves</li> </ul>	<p><b>French</b></p> <ul style="list-style-type: none"> <li>- You will be asked to write in paragraphs to give information about yourself, covering anything that you have learned in Years 7 and 8; revise all vocabulary and phrases you have learned; see also your pink or green booklet</li> <li>- You will also have a short 1:1 speaking assessment with your teacher, which will be a conversation with questions about you, your likes and dislikes</li> <li>- You will also have short comprehension and translation tasks to complete; your teacher will provide a vocabulary list and further guidance prior to the exam</li> </ul>
<p><b>Humanities</b></p> <p><b>Assessment support pack will be available in term 5.</b></p> <p><b>History</b></p> <ul style="list-style-type: none"> <li>- The campaign for Civil Rights in America.</li> <li>- Crime and Punishment through time</li> <li>- (full revision lists issued to students)</li> </ul> <p><b>Geography</b></p> <ul style="list-style-type: none"> <li>- How sustainable is the changing population of Asia?</li> <li>- Can the polar and rainforest regions of the world be sustainably developed?</li> <li>- Why are some people more at risk from hazards than others?</li> </ul> <p><b>RE</b></p> <ul style="list-style-type: none"> <li>- Religion and Sport</li> <li>- Religion and Art</li> <li>- Inspirational People</li> <li>- Jesus</li> </ul>	<p><b>Expressive Arts</b></p> <p><b>Music</b></p> <ul style="list-style-type: none"> <li>- A listening test which will cover the topics and vocabulary we have learned this year:</li> <li>- TV themes</li> <li>- Reggae</li> <li>- 21st Century popular music</li> </ul> <p><b>Drama</b></p> <ul style="list-style-type: none"> <li>- You will have 3 lessons in which to prepare and rehearse a short scripted piece. The Homeworks in between will be to learn lines and bring in props and costume as you wish to enhance your assessed performance.</li> <li>-</li> </ul>

## **Mathematics**

### **Numbers and algebra**

- Number patterns
- Decimals
- Formulae
- Four rules of negative numbers
- equations

### **Handling data**

- Statistical calculations involving mode, mean and median
- numerical probability
- collecting and displaying discrete data using appropriate statistical diagrams

### **Shape, space and measures**

- Angles and geometry, including polygons
- Symmetry and congruence of 2-decimal shapes
- Measuring and converting units
- Graphs
- Area
- Transformations
- Volume
- Calculations in triangles