

[Year 2011 - 13] Statistics Curriculum Plan

Topics covered	Assessments
<p>The topics covered include:</p> <p>Understanding different types of data</p> <p>The use of different sampling techniques</p> <p>Representing data using appropriate graphs and charts, including bar charts, comparative pie charts, stem and leaf diagrams, cumulative frequency diagrams, scatter graphs and histograms</p> <p>Analysis of data using averages, box plots, standard deviation and Spearman's Rank correlation coefficient</p> <p>Probability and probability distributions</p> <p>Normal distributions and quality assurance</p>	<p>There are half termly tests on the work covered</p> <p>The students sit an internal year 10 exam to show their achievement so far and to identify areas for improvement. This does not count towards their final grade.</p> <p>There is a controlled assessment in the January of year 11 which counts for 25% of their final grade</p> <p>A final exam sat at the end of year 11 which counts for 75% of their final grade</p>
<p>Home enrichment opportunities</p> <p>Opportunities should be encouraged at home to do some maths games often, eg count down, playing cards, chess, etc (all of these have mathematical and problem solving content).</p> <p>Visit the science museum in London it has a gallery dedicated to the history of modern mathematics.</p> <p>The film "A Beautiful Mind" or "21" have a lot of mathematical content (parents should watch 1st and decide if suitable for their children).</p> <p>Involve them in planning, budgeting and problem solving in any home DIY or family holiday arrangements.</p>	

