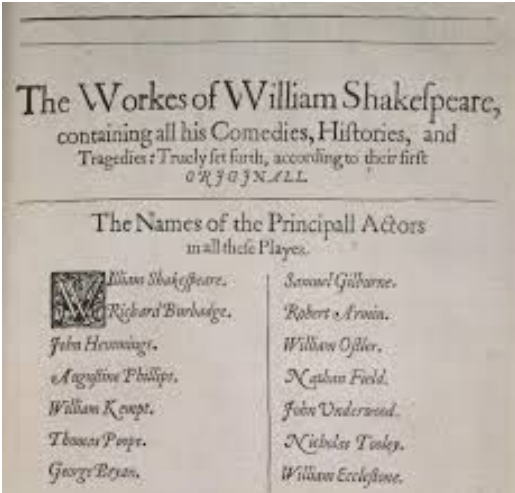
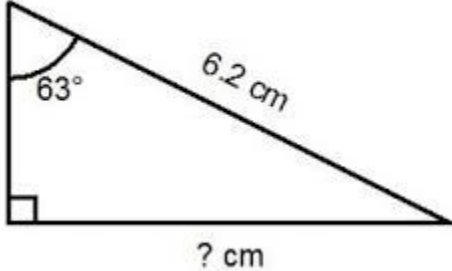
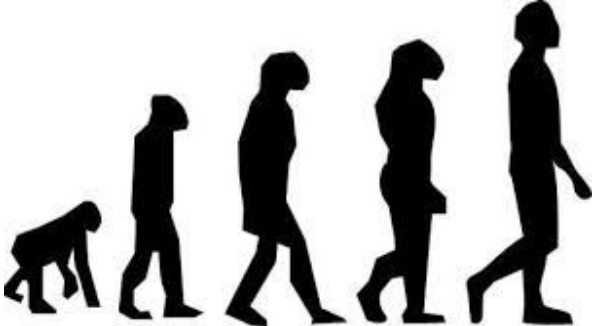
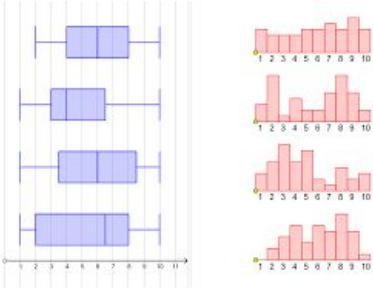



# What are students in Year 11 at EPCS studying in their core subjects?



## Autumn



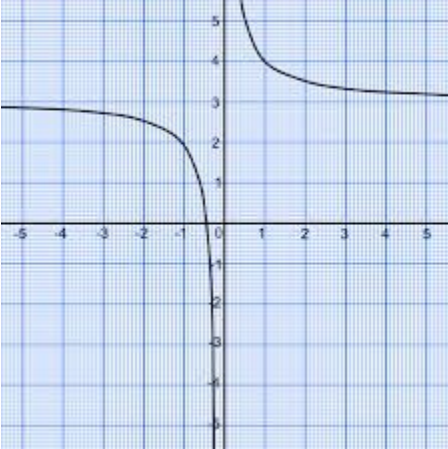

	English	Maths	Science
Term 1	Shakespeare plays  	Pythagoras Graphs of Trig function Further Trig  	BLOCK1  B6 Inheritance, Variation and Evolution  
Term 2		Collecting data, Cumulative frequency, box plots & histograms. Leeway for bespoke revision and repetition of topics in preparation for mock exams  	C6 The rate and extent of chemical change  

# Spring

	English	Maths	Science
<b>Term 3</b>	<p>Power and Conflict poetry</p>	<p>Expanding quadratics, Graphs of circles, cubics &amp; quadratics, Circle Geometry, Rearranging algebraic fractions and solving rationalising surds, proof</p> <div style="border: 1px solid black; padding: 10px; background-color: #e0ffe0; text-align: center; margin: 20px auto; width: 80%;"> <p><b>Expanding</b></p> <math display="block">(3n + 2)(n + 4)</math> <math display="block">3n^2 + 12n + 2n + 8</math> <math display="block">3n^2 + 14n + 8</math> </div>	<p>C9 Chemistry of the Atmosphere</p>
<b>Term 4</b>	<p>Revision for literature texts</p>	<p>Vectors and geometric proof Leeway for bespoke revision and repetition of topics in preparation for mock exams</p> <p><i>Example:</i> In the diagram, <math>CB = 4CN</math> and <math>NA = 5NX</math>. <math>M</math> is the midpoint of <math>AB</math>. <math>\vec{CN} = \mathbf{u}</math> and <math>\vec{BM} = \mathbf{v}</math>.</p> <p>a) Express the following vectors in terms of <math>\mathbf{u}</math> and <math>\mathbf{v}</math>  i) <math>\vec{NB}</math>                                  ii) <math>\vec{XA}</math></p> <p>b) Show that <math>\vec{CX} = \frac{2}{5}(4\mathbf{u} + \mathbf{v})</math></p> <p>c) Calculate the value of  i) <math>\frac{CX}{CM}</math>                                  ii) <math>\frac{\text{area } ACX}{\text{area } ACM}</math></p>	<p>P5b Motion</p>

# Summer



	English	Maths	Science
<b>Term 5</b>	<p>Language paper revision.</p>  <p>We would also hope the pupils are reading at home; as well as their own independent reading pupils should read their exam texts multiple times as they are not allowed to bring books into the exam and thus must know them very well.</p> 	<p>Reciprocal and exponential graphs, Gradients, area under curve, Direct and indirect proportion bespoke revision and repetition of topics</p> 	<p>BLOCK 2: REVISION/MOCK EXAMS</p>  <p>BLOCK3: EXAM SKILLS/REVISION PROGRAMME</p>