

**Year: 12**

**Subject: AS Further Mathematics (Enrichment)**

<b>Half Term 1</b> (6 <sup>th</sup> Sept – 22 <sup>nd</sup> October) 7 weeks	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	<b>October Half Term Holiday</b>	
				Linear programming	Complex Numbers				
<b>Half Term 2</b> (1 <sup>st</sup> November- 17 <sup>th</sup> December) 7 weeks	Wk8 ●	Wk9	Wk10	Wk11	Wk12	Wk13	Wk14	<b>Christmas Holiday</b>	
	Graph Theory Algorithms and introduction to graphs			Algebra and Functions		Series			
<b>Half Term 3</b> (4 <sup>th</sup> January – 18 <sup>th</sup> February) 7 weeks	Wk15	Wk16 ●	Wk17	Wk18	Wk19	Wk20	Wk21	<b>February Half Term Holiday</b>	
	Matrices			Allocation Hungarian Algorithm	Proof Induction		Game Theory		
<b>Half Term 4</b> (28 <sup>th</sup> February - 08 <sup>th</sup> April) 6 weeks	Wk22	Wk23 ●	Wk24	Wk25	Wk26	Wk27 LC1	<b>Easter Holiday</b>	<b>What does this year contribute towards? How does this year deliver the curriculum intent?</b> This is the first year of the AS level Further Mathematics course where you will study content from the AS Further Pure Maths and Decision Maths units. It extends the work completed in A level and highlights the Maths in real life situations <b>Indicates a key assessment</b> ●	
	Game Theory	Volumes of revolution			Graph Theory	Vectors			
<b>Half Term 5</b> (25 <sup>th</sup> April – 27 <sup>th</sup> May) 5 weeks	Wk28	Wk29	Wk30 ●	Wk31	Wk32	<b>May Half Term Holiday</b>			
	Vectors		Algorithms		Linear Programming				
<b>Half Term 6</b> (6 <sup>th</sup> June – 20 <sup>th</sup> July) 7 weeks	Wk33	Wk34	Wk35	Wk36 ●	Wk37	Wk38 LC2	Wk39		<b>Summer Holiday</b>
	Complex Numbers		Revision and exam preparation for trial exams		Work experience		Review and feedback		