

		C3 - 6.4		Solve trigonometric equations using identities		
		C3 - 6.5		Solve problems involving inverse trigonometrical functions		
8	10	C3 - 7.1	Further trigonometric identities and their application	Solve problems using addition trigonometrical formulae		
16.10-20.10		C3 - 7.2		Solve problems using double angle trigonometrical formulae		
		C3 - 7.3		Prove identities using double angle formulae		
		C3 - 7.4		Solve trigonometrical problems using the form		
		C3 - 7.5		Apply factor formulae to solve problems		
9	10	C3 - 8.1, 8.2 and 8.3	Differentiation	Differentiate using chain, product and quotient rule		
23.10-27.10						
		C3 - 8.4		Differentiate exponential functions		
10	8	C3 - 8.5		Find differential of logarithmic functions		
31.10-03.11		C3 - 8.6, 8.7 and 8.8		Differentiate $\sin x$, $\cos x$ and $\tan x$		
		C3 - 8.9		Differentiate further trigonometrical functions		
11	10	C3 - 8.10		Differentiate functions formed by combination of trigonometrical, exponential and logarithmic and polynomial function		
06.11-10.11		C4 - 1.1	Partial fractions	Add and subtract algebraic fractions		
		C4 - 1.2		Partial fractions when two linear factors in the denominator		
		C4 - 1.3		Partial fractions when three or more linear factors in the denominator		
12	10	C4 - 1.4		Partial fractions when repeated linear factors in the denominator		
13.11-17.11						
		C4 - 1.5		Convert improper fractions in to partial fractions		

13	10	C4 - 2.1	Coordinate Geometry in the (x,y) plane	Sketch graph of a curve with parametric equation		
20.11-24.11		C4 - 2.2		Solve problems involving parametric equations		
		C4 - 2.3		Convert parametric equations into a cartesian equation		
		C4 - 2.4		Find area under the curve of a parametric equation		
14	10	C4 - 3.1	The binomial expansion	Expand $(a + b)^n$ for any constant n		
27.11-01.12		C4 - 3.2		Expand $(a + b)^n$ for any constants a, b and n		
		C4 - 3.3		Expand more complex fractional expressions using partial fractions		
Week 15 04.12-08.12 Revision & First Term Test						
Week 16 11.12-15.12 Revision & First Term Test						
Week 17 18.12 - 22.12 Paper Correction , Report Work and PTI						
Week 18 25.12-29.12 First Term Vacation						
Week 19 01.01.2017 - 05.01.2017 First Term Vacation						
20	10	C4 - 4.1	Differentiation	Differentiate functions given parametrically		
		C4 - 4.2		Differentiate functions which are implicit		
08.01-12.01		C4 - 4.3		Differentiate functions involving		
		C4 - 4.4		Solve problems involving rates of change		
		C4 - 4.5		Solve differential equations		
21	10	C4 - 5.1	Vectors	Write and draw vector diagrams		
15.01-19.01		C4 - 5.2		Perform simple vector arithmetic		
		C4 - 5.3		Describe the position of a point in 2 or 3 dimensions using vectors		
		C4 - 5.4		Write cartesian components of a vector in 2 dimensions		
		C4 - 5.5		Write cartesian components of a vector in 3 dimensions		
22	10	C4 - 5.6		Solve problems involving 3 dimensions		
22.01-26.01		C4 - 5.7		Find the angle between two vectors using the scalar product of two vectors		
		C4 - 5.8		Write the equation of a straight line in vector form		

		C4 - 5.9		Determine whether two given straight lines intersect		
		C4 - 5.10		Find the angle between two straight lines		
23	6	C4 - 6.1	Integration	Integrate standard functions		
29.01-02.02		C4 - 6.2		Integrate using the reverse chain rule		
		C4 - 6.3		Integrate trigonometric identities		
24	10	C4 - 6.4		Integrate using partial fractions		
05.02-09.02		C4 - 6.5		Integrate expressions using standard patterns		
		C4 - 6.6		Integrate using substitution		
		C4 - 6.7		Integrate by parts		
		C4 - 6.8		Integrate using Trapezium rule		
		C4 - 6.9		Find areas and volumes using integration		
25	10	C4 - 6.10 and 6.11		Solve differential equations using integration		
12.02-16.02		S2 - 1.1	Binomial Distribution	Find the number of arrangements using factorial notation		
		S2 - 1.2		Find probabilities using binomial theorem		
		S2 - 1.3		Use binomial distribution as model to solve problems		
		S2 - 1.4		Find probabilities using the tables of the cumulative distribution function of the binomial distribution		
		S2 - 1.5 and 1.6		Find mean and variance of the binomial distribution		
26	10	S2 - 2.1	Poisson Distribution	Solve problems involving poisson distribution		
19.02-23.02		S2 - 2.2		Find mean and variance of the poisson distribution		
		S2 - 2.3		Solve problems using tables of the Poisson cumulative distribution function		
		S2 - 2.4		Use poisson distribution as model to solve problems		
		S2 - 2.5		Approximate a binomial distribution with a poisson distribution		
		S2 - 2.6		Solve problems by choosing either binomial or poisson distribution as a suitable model		
27	10	S2 - 3.1	Continuous random variables	Find the cumulative distribution function given the probability density function		

26.02-02.03		S2 - 3.2		Find the probability density function given the cumulative distribution function		
		S2 - 3.3		Find mean and variance of a random variable using its probability density function		
		S2 - 3.4		Find the mode and median of a random variable using probability density function		
		S2 - 4.1	Continuous uniform distribution	Use continuous uniform distribution to solve problems		
		S2 - 4.2		Find mean, variance and cumulative distribution function of a continuous uniform distribution		
		S2 - 4.3		Use mean, variance and cumulative distribution function of a continuous uniform distribution		
28	8	S2 - 5.1	Normal approximations	Use continuity correction to solve problems		
05.03-09.03		S2 - 5.2		Approximate a binomial distribution by a normal distribution		
		S2 - 5.3		Approximate a poisson distribution by a normal distribution		
		S2 - 5.4		Solve problems by choosing the appropriate approximation		
		S2 - 6.1 6.2 6.3 and 6.4	Populations and Samples	Solve problems involving population		
		S2 - 6.5 6.6 and 6.7		Find Sampling distribution of samples in simple cases		
29	10	S2 - 7.1 7.2 and 7.3	Hypothesis testing	Use hypothesis to solve One and Two tailed tests		
12.03-16.03		S2 - 7.4 and 7.5		Use hypothesis tests for binomial and poisson distribution		
Week 30 19.03-23.03 Revision & Second Term Test						
Week 31 26.03- 30.03 Second Term Test & Paper Corection						
Week 32 02.04- 06.04 Paper Correction , Report Work & PTI						
Week 33 09.04 - 13.04 Second Term Vacation						
Week 34 16.04- 20.04 End of Vacation & School Reopen						

Week 35 23.04 -27.04 Revision
Week 36 30.04 - 04.05 Seminar
Week 37 07.05 - 11.05 Edexcel Exam
Week 38 14.05 -18.05 Edexcel Exam
Week 39 21.05 -25.05 Edexcel Exam
Week40 28.05 -01.06 Edexcel Exam
Week41 04.06 - 08.06 Edexcel Exam
Week42 11.06 -15.06 Edexcel Exam
Week43 18.06 -22.06 Edexcel Exam
Week44 25.06 - 29.06 Edexcel Exam
Week45 02.07 - 06.07 PTI & End of the Acedemic Year