	Week	Unit
Year 12 Start Here		
Year 12	1,2	Bridging test (1) Resit during lunchtime
4 x 1 hour le	3,4	Statistics 1: Data collection Lesson 1. Population, samples and sampling methods 1.1 & 1.2 Lesson 2. Non-random sampling 1.3 Lesson 3. Types of data, large data set 1.4 & 1.5 2: Measure of location and spread Lesson 1. Measure of central tendency 2.1
	5,6	Lesson 2. Other measures of location 2.2 Lesson 3. Measures of spread 2.3 Lesson 4. Variance and standard deviation 2.4 Lesson 5. Coding 2.5
	7,8	3: Representation of data Lesson 1. Outliers and box plots 3.1 & 3.2 Lesson 2. Cumulative frequency 3.3 Lesson 3. Histograms 3.4 Lesson 4. Comparing data 3.5
		OCTOBER HALF TERM
	9,10	4: Correlation Lesson 1. Correlation 4.1 Lesson 2. Linear regression 4.2 5: Probability Lesson 1. Calculating probabilities 5.1 Lesson 2. Venn diagrams 5.2

	11,12	Lesson 3. Multually exxclusive and independent events 5.3 Lesson 4. Tree diagrams 5.4 6: Statistical distribution Lesson 1. Probability distributions 6.1 Lesson 2. The binomial distribution 6.2
	13,14	Lesson 3. Cumulative probabilities 6.3 CBT + FB (2) 7: Hypothesis testing Lesson 1. Hypothesis testing 7.1
	15	Lesson 2. Finding critical values 7.2
		END OF AUTUMN TERM
	16,17	Lesson 3. One-tailed tests 7.3 Lesson 4. Two-tailed tests 7.4 CBT
	18,19	FB 8: Modelling in mechanics Lesson 1. Working with vectors 8.4 (8.1-8.3 briefly mention/self study) 9: Constant acceleration Lesson 1. Displacement-time graphs 9.1 Lesson 2. Velocity-time graphs 9.2
	20,21	Lesson 3. Constant acceleration formulae 9.3 & 9.4 Lesson 4. Vertical motion under gravity 9.5 10: Forces and motion Lesson 1. Force diagrams 10.1 Lesson 2. Forces as vectors 10.2
		FEBRUARY HALF TERM
	22,23	Lesson 3. Forces and acceleration 10.3 Lesson 4. Motion in 2 dimensions 10.4 Lesson 5. Connected particles 10.5 Lesson 6. Pulleys 10.6

	24,25	CBT&FB (2) 11: Variable acceleration Lesson 1. Functions of time 11.1 Lesson 2. Using differentiation, Maxima and minima 11.2 & 11.3
	26	Lesson 3. Using integration 11.4 Lesson 4. Constant acceleration formulae 11.5
		END OF SPRING TERM
	27,28	Y12 Pure 8: Binomial expansion Lesson 1. Lesson 2. Lesson 3. Y13 Pure 4: Binomial expansion (2+2 CBT counted later) Lesson 1. Expanding (1+x)^n 4.1
	29,30	Lesson 2. Expanding (a+bx)^n 4.2 Lesson 3. Extra practice *4.3 needs partial fraction, return at end of year 5: Radians Lesson 1. Radian measure 5.1
	31,32	Assessment+FB
		MAY HALF TERM
	33,34	Lesson 2. Arc length and areas of sectors and segments 5.2 & 5.3 Lesson 3. Solving trigonometric equations 5.4 Lesson 4. Small angle approximations 5.5

	35,36	6: Trigonometric functions Lesson 1. Secant, cosecant and cotangent and graphs 6.1 & 6.2 Lesson 2. Using sec, cosec and cot 6.3 Lesson 3. Trigonometric identities 6.4 Lesson 4. Inverse trigonometric functions 6.5
	37,38	*Lesson 3 of Binomial expansion with partial fractions 4.3 CBT+FB (Binomial expansion)
	39,40	Activities week and end of term
		End of Year 12
Year 13	1,2	CBT+FB (Radians+Trig) Maybe??? Or change to later the term
	3,4	Y13 Pure 7: Trigonometry and modelling Lesson 1. Addition formulae 7.1 Lesson 2. Using the angle addition formulae 7.2 Lesson 3. Double angle formulae 7.3 Lesson 4. Solving trigonometric equations 7.4
	5,6	Lesson 5. Simplifying acos+bsinx 7.5 Lesson 6. Proving trigonometric identities 7.6 Lesson 7. Modelling with trigonometric functions 7.7 Y13 Applied 4: Moments Lesson 1. Moments 4.1
	7,8	Lesson 2. Resultant moments 4.2 Lesson 3. Equilibrium 4.3 Lesson 4. Centres of mass 4.4 Lesson 5. Tilting 4.5
		OCTOBER HALF TERM

	9,10	5: Forces and friction Lesson 1. Resolving forces 5.1 Lesson 2. Inclined planes 5.2 Lesson 3. Friction 5.3 6: Projectiles Lesson 1. Horizontal projection 6.1
	11,12	Lesson 2. Horizontal and vertical components 6.2 Lesson 3. Projection at any angle 6.3 Lesson 4. Projectile motion formulae 6.4 7: Applications of forces Lesson 1. Static particles 7.1
	13,14	Lesson 2. Modelling with statics 7.2 Lesson 3. Friction and static particles 7.3 Lesson 4. Static rigid bodies 7.4 Lesson 5. Dynamics and inclined planes 7.5
	15	Lesson 6. Connected particles 7.6
		END OF AUTUMN TERM
	16,17	Assessment (Pure only) CBT+FB 8: Further kinematics Lesson 1. Vectors in kinematics 8.1 Lesson 2. Vector methods with projectiles 8.2
	18,19	Lesson 3. Variable acceleration in one dimension 8.3 Lesson 4. Differentiating vectors 8.4 Lesson 5. Integrating vectors 8.5 1: Regression correlation and hypothesis testing Lesson 1. Exponential models 1.1

	20,21	Lesson 2. Measuring correlation 1.2 Lesson 3. Hypithesis testing for zero correlation 1.3 2: Conditional probability Lesson 1. Set notation, conditional probability 2.1 & 2.2 Lesson 2. Conditional probabilities in Venn diagrams 2.3
		FEBRUARY HALF TERM
	22,23	Lesson 3. Formula 2.4 (2.5 set as HW) 3: Normal Distribution Lesson 1. Normal distribution 3.1 & 3.2 Lesson 2. Probability 3.2 Lesson 3. The standard normal distribution 3.4
	24,25	Lesson 4. Finding missing parameter 3.5 Lesson 5. Approximating a binomail distribution 3.6 Lesson 6. Hypothesis testing with the normal distribution 3.7 Lesson 7. Extra consolidation lesson
	26	CBT/Revision
		END OF SPRING TERM
	27,28	Assessment
	29,30	Revision and Past Papers
		YEAR 13 STUDY LEAVE BEGINS