Mathematics Sequence of Units - Grades 10 ,11&12 2016-2017

	TRIMESTER TWO
	Grade 12
2 Jan - 5 Jan	**Get Ready-Teacher**
8 Jan - 12 Jan 15 Jan - 19 Jan	(1-1) المتطابقات المثلثية - (1-2) اثبات صحة المتطابقات المثلثية -Quiz **ML3.PA4.1** Identify and use basic trig identities to find trig values **ML3.PA4.1** Use basic trig identities to simplify and rewrite trig expressions **ML3.PA4.2** Verify trig identities **ML3.PA4.2** Determine whether equations are identities
22 Jan - 26 Jan	(1-3)المتطابقات المثلثية للمجموع وللفرق - (1-4) المتطابقات المثلثية لضعف الزاوية ونصفها - اختبار **ML3.PA4.3** Use sum and difference identities to evaluate trig functions **ML3.PA4.3** Use sum and difference identities to solve trig equations **ML3.PA4.4** Use double angle, power-reducing, and half-angle identities to evaluate trig expressions and solve trig **ML3.PA4.4** Use product-to-sum identities to evaluate trig expressions and solve trig equations
29 Jan - 2 Feb	(1-5) حل المعادلات المثلثية - تحقق **ML3.PA4.5** Solve trigonometric equations **ML3.PA4.5** Identify extraneous solutions when solving trigonometric equations
5 Feb - 9 Feb	(2-1) القطوع المكافئة -(2-2) القطوع الناقصة والدوائر-تحقق **ML3.PA5.1** Analyse and graph equations of parabolas **ML3.PA5.1** Write equations of parabolas **ML3.PA5.2** Analyse and graph equations of ellipses and circles **ML3.PA5.2** Use equations to identify ellipses and circles
12 Feb - 16 Feb	(2-3) القطوع الزائدة-(2-4) تحديد أنواع القطوع المخروطية - اختبار **ML3.PA5.3** Analyse and graph equations of hyperbolas **ML3.PA5.3** Use equations to identify hyperbolas **ML3.PA5.4** Use equations to identify types of conic sections
19 Feb - 23 Feb	(3-1)مقدمة في المتجهات - (3-2) المتجهات في المستوى الإحداثي **ML3.PA6.1** Represent and operate with vectors geometrically **ML3.PA6.1** Solve vector problems, and resolve vectors into their rectangular components **ML3.PA6.2** Represent and operate with vectors in the coordinate plane **ML3.PA6.2** Write a vector as a linear combination of unit vectors
26 Feb - 2 Mar	(3-3) الضرب الداخلي -اختبار **ML3.PA6.3** Find the dot product of two vectors, and use the dot product to find the angle between them
5 Mar - 9 Mar	مراجعة وحل تدريبات
12 - 16 Mar	EXAMS
19 - 23 Mar	EXAMS & EMSA