SEC MATH III HONS_MHS

Guide

B (55 Days)

Resource(s)/ Components	Focus/Topic	Standard(s)	Duration of Instruction
Guided Notes	Prerequisite Skills	A.SSE.1	2 Days
Guided Notes **Derivita – Integrated Math III**	Exponential Functions: Properties, Graphs, and Solving	A.CED.1 A.CED.2 A.CED.3 A.CED.4	3 Days
Guided Notes **Derivita – Integrated Math III**	Logarithmic Functions: Properties, Graphs, and Solving	F.BF.4 F.LE.4	6 Days
	Review and Test		2 Days
Guided Notes **Derivita – Integrated Math III**	Trigonometry: Special Right Triangles, Unit Circles, Radians	F.TF.1 F.TF.2 F.TF.3	6 Days
Guided Notes **Derivita – Integrated Math III**	Graphs of Trigonometric Functions: Sines and Cosines	F.IF.7 F.TF.5	3 Days
	Review and Test		2 Days
Guided Notes **Derivita – Integrated Math III**	Trigonometric Identities	A.SEE.2	4 Days
Guided Notes **Derivita – Integrated Math III**	Law of Sines and Cosines, and Area of Oblique Triangles	F.TF.7 G.SRT.9 G.SRT.10 G.SRT.11	3 Days
	Review and Test		2 Days
Guided Notes **Derivita – Integrated Math III**	Parent Functions: Notation, Graphs, and Transformations	A.REI.11 F.IF.7 F.IF.8 F.BF.3	6 Days
	Review and Test		2 Days
Guided Notes	Polynomials: Closed Under Addition, Subtraction, and Multiplication	N.CN.9 A.APR.1	2 Days

Derivita – Integrated Math III			
Guided Notes **Derivita – Integrated Math III**	Long Division Using Polynomials	A.APR.2	2 Days
Guided Notes **Derivita – Integrated Math III**	Expanding Binomials	A.APR.5	2 Days
Guided Notes **Derivita – Integrated Math III**	Graphs of Polynomials and Their Zeros	A.APR.3 F.IF.4 F.IF.5 F.IF.7	4 Days
Guided Notes **Derivita – Integrated Math III**	Composite and Inverse Functions	F.BF.4	2 Days
	Review and Test		2 Days

*No Extra Days

C (63 Days)

Resource(s)/ Chapter(s)	Focus/Topic	Standard(s)	Duration of Instruction
Guided Notes **Derivita – Integrated Math III**	Radical Functions: Graphing and Solving	A.REI.2 F.IF.7	4 Days
Guided Notes **Derivita – Integrated Math III**	Rational Exponents: Converting, Simplifying, and Solving	F.BF.4	4 Days
	Review and Test		2 Days
Guided Notes **Derivita – Integrated Math III**	Rational Functions Expression: Adding, Subtracting, and Multiplying	A.APR.6 A.APR.7	4 Days
Guided Notes **Derivita – Integrated Math III**	Solving Rational Equations	A.REI.2	2 Days
Guided Notes **Derivita – Integrated Math III**	Graphing Rational Functions	F.IF.5 F.IF.7	4 Days
	Review and Test		2 Days
Guided Notes **Derivita – Integrated Math III**	Sequences: Arithmetic and Geometric	A.SSE.4	2 Days
Guided Notes **Derivita – Integrated Math III**	Series: Arithmetic and Geometric	A.SSE.4	3 Days
	Review and Test		2 Days
Guided Notes **Derivita – Integrated Math III** **All Things Algebra**	Inferential Statistics	S.ID.4 S.IC.1 S.IC.3 S.IC.4 S.IC.6	6 Days
	Review and Test		2 Days
Guided Notes	Complex Numbers: Conjugates and Moduli	N.CN.3 N.CN.4	4 Days

		N.CN.5 N.CN.6	
Derivita – Integrated Math III **All Things Algebra**			
Guided Notes **Derivita – Integrated Math III** **All Things Algebra**	Using Permutations and Combinations to Find Probability	S.CP.9	5 Days
	Review and Test		2 Days

*13 Extra Days