

Appendix F: Higher Mathematics Pathways Standards Chart

of the

Mathematics Framework

*for California Public Schools:
Kindergarten Through Grade Twelve*

Adopted by the California State Board of Education, November 2013

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Appendix F

Higher Mathematics Pathways Standards Table

	Traditional Pathway			Integrated Pathway		
	Algebra I	Geometry	Algebra II	Mathematics I	Mathematics II	Mathematics III
Number and Quantity						
The Real Number System	N-RN.1 N-RN.2 N-RN.3				N-RN.1 N-RN.2 N-RN.3	
The Complex Number System			N-CN.1 N-CN.2 N-CN.7 N-CN.8 N-CN.9		N-CN.1 N-CN.2 N-CN.7 N-CN.8 N-CN.9	N-CN.8 N-CN.9
Quantities	N-Q.1 N-Q.2 N-Q.3			N-Q.1 N-Q.2 N-Q.3		
Algebra						
Seeing Structure in Expressions	A-SSE.1a A-SSE.1b A-SSE.2 A-SSE.3a A-SSE.3b A-SSE.3c		A-SSE.1a A-SSE.1b A-SSE.2 A-SSE.4	A-SSE.1a A-SSE.1b	A-SSE.1a A-SSE.1b A-SSE.2 A-SSE.3a A-SSE.3b A-SSE.3c	A-SSE.1a A-SSE.1b A-SSE.2 A-SSE.4
Arithmetic with Polynomials and Rational Expressions	A-APR.1		A-APR.1 A-APR.2 A-APR.3 A-APR.4 A-APR.5 A-APR.6 A-APR.7		A-APR.1	A-APR.1 A-APR.2 A-APR.3 A-APR.4 A-APR.5 A-APR.6 A-APR.7
Creating Equations	A-CED.1 A-CED.2 A-CED.3 A-CED.4		A-CED.1 A-CED.2 A-CED.3 A-CED.4	A-CED.1 A-CED.2 A-CED.3 A-CED.4	A-CED.1 A-CED.2 A-CED.4	A-CED.1 A-CED.2 A-CED.3 A-CED.4
Reasoning with Equations and Inequalities	A-REI.1 A-REI.3 A-REI.3.1 A-REI.4a A-REI.4b A-REI.5 A-REI.6 A-REI.7 A-REI.10 A-REI.11 A-REI.12		A-REI.2 A-REI.3.1 A-REI.11	A-REI.1 A-REI.3 A-REI.3.1 A-REI.5 A-REI.6 A-REI.10 A-REI.11 A-REI.12	A-REI.4a A-REI.4b A-REI.7	A-REI.2 A-REI.11

Higher Mathematics Pathways Standards Table *(continued)*

	Traditional Pathway			Integrated Pathway		
	Algebra I	Geometry	Algebra II	Mathematics I	Mathematics II	Mathematics III
Functions						
Interpreting Functions	F-IF.1 F-IF.2 F-IF.3 F-IF.4 F-IF.5 F-IF.6 F-IF.7a F-IF.7b F-IF.7e F-IF.8a F-IF.8b F-IF.9		F-IF.4 F-IF.5 F-IF.6 F-IF.7b F-IF.7c F-IF.7e F-IF.8 F-IF.9	F-IF.1 F-IF.2 F-IF.3 F-IF.4 F-IF.5 F-IF.6 F-IF.7a F-IF.7e F-IF.9	F-IF.4 F-IF.5 F-IF.6 F-IF.7a F-IF.7b F-IF.8a F-IF.8b F-IF.9	F-IF.4 F-IF.5 F-IF.6 F-IF.7b F-IF.7c F-IF.7e F-IF.8 F-IF.9
Building Functions	F-BF.1a F-BF.1b F-BF.2 F-BF.3 F-BF.4a		F-BF.1b F-BF.3 F-BF.4a	F-BF.1a F-BF.1b F-BF.2 F-BF.3	F-BF.1a F-BF.1b F-BF.3 F-BF.4a	F-BF.1b F-BF.3 F-BF.4a
Linear, Quadratic, and Exponential Models	F-LE.1a F-LE.1b F-LE.1c F-LE.2 F-LE.3 F-LE.5 F-LE.6		F-LE.4 F-LE.4.1 F-LE.4.2 F-LE.4.3	F-LE.1a F-LE.1b F-LE.1c F-LE.2 F-LE.3 F-LE.5	F-LE.3 F-LE.6	F-LE.4 F-LE.4.1 F-LE.4.2 F-LE.4.3
Trigonometric Functions			F-TF.1 F-TF.2 F-TF.2.1 F-TF.5 F-TF.8		F-TF.8	F-TF.1 F-TF.2 F-TF.2.1 F-TF.5
Geometry						
Congruence		G-CO.1 G-CO.2 G-CO.3 G-CO.4 G-CO.5 G-CO.6 G-CO.7 G-CO.8 G-CO.9 G-CO.10 G-CO.11 G-CO.12 G-CO.13		G-CO.1 G-CO.2 G-CO.3 G-CO.4 G-CO.5 G-CO.6 G-CO.7 G-CO.8 G-CO.12 G-CO.13	G-CO.9 G-CO.10 G-CO.11	

Higher Mathematics Pathways Standards Table (continued)

	Traditional Pathway			Integrated Pathway		
	Algebra I	Geometry	Algebra II	Mathematics I	Mathematics II	Mathematics III
Similarity, Right Triangles, and Trigonometry		G-SRT.1a G-SRT.1b G-SRT.2 G-SRT.3 G-SRT.4 G-SRT.5 G-SRT.6 G-SRT.7 G-SRT.8 G-SRT.8.1 G-SRT.9 G-SRT.10 G-SRT.11			G-SRT.1a G-SRT.1b G-SRT.2 G-SRT.3 G-SRT.4 G-SRT.5 G-SRT.6 G-SRT.7 G-SRT.8 G-SRT.8.1	G-SRT.9 G-SRT.10 G-SRT.11
Circles		G-C.1 G-C.2 G-C.3 G-C.4 G-C.5			G-C.1 G-C.2 G-C.3 G-C.4 G-C.5	
Expressing Geometric Properties with Equations		G-GPE.1 G-GPE.2 G-GPE.4 G-GPE.5 G-GPE.6 G-GPE.7	G-GPE.3.1	G-GPE.4 G-GPE.5 G-GPE.7	G-GPE.1 G-GPE.2 G-GPE.4 G-GPE.6	G-GPE.3.1
Geometric Measurement and Dimension		G-GMD.1 G-GMD.3 G-GMD.4 G-GMD.5 G-GMD.6			G-GMD.1 G-GMD.3 G-GMD.5 G-GMD.6	G-GMD.4
Modeling with Geometry		G-MG.1 G-MG.2 G-MG.3				G-MG.1 G-MG.2 G-MG.3
Statistics and Probability						
Interpreting Categorical and Quantitative Data	S-ID.1 S-ID.2 S-ID.3 S-ID.5 S-ID.6a S-ID.6b S-ID.6c S-ID.7 S-ID.8 S-ID.9		S-ID.4	S-ID.1 S-ID.2 S-ID.3 S-ID.5 S-ID.6a S-ID.6b S-ID.6c S-ID.7 S-ID.8 S-ID.9		S-ID.4

Higher Mathematics Pathways Standards Table *(continued)*

	Traditional Pathway			Integrated Pathway		
	Algebra I	Geometry	Algebra II	Mathematics I	Mathematics II	Mathematics III
Making Inferences and Justifying Conclusions			S-IC.1 S-IC.2 S-IC.3 S-IC.4 S-IC.5 S-IC.6			S-IC.1 S-IC.2 S-IC.3 S-IC.4 S-IC.5 S-IC.6
Conditional Probability and the Rules of Probability		S-CP.1 S-CP.2 S-CP.3 S-CP.4 S-CP.5 S-CP.6 S-CP.7 S-CP.8 S-CP.9			S-CP.1 S-CP.2 S-CP.3 S-CP.4 S-CP.5 S-CP.6 S-CP.7 S-CP.8 S-CP.9	
Using Probability to Make Decisions		S-MD.6 S-MD.7	S-MD.6 S-MD.7		S-MD.6 S-MD.7	S-MD.6 S-MD.7