



Pasadena Unified School District
Scope & Sequence

Subject: Mathematics

Course/Grade Level: Integrated Math IIIH w/ Pre-calculus

Unit	Topic / Concepts Addressed	Priority Standards	Supporting Standards	Resources	Estimated Time
1	Interpreting and Building Functions and Their Graphs*^	F-IF 4, 7d(+) F-BF 4b, 4c, 4d (+)	F-IF 5, 7b, 7c, 9 F-BF 1b, 3	<u>Pre-calculus with Limits</u> Ch. 1 - Functions and their Graphs	15 days/3 Weeks
2	Polynomials and Rational and Radical Relationships*^	A-SSE 1a, 1b, 4 A- APR 3, 4, 5, 6 A-REI 2, 11 A-CED 1, 2, 3 G-GPE 3.1	N-CN 8, 9 F-IF 7c A-APR 1,2, 7 A-CED 4	<u>Pre-calculus with Limits</u> Ch. 2 -Polynomial and Rational Functions	30 days/6 weeks
3	Exponential and Logarithmic Functions*^	F-IF 7e F-BF 5	NONE	<u>Pre-calculus with Limits</u> Ch. 3 - Exponential and Logarithmic Functions	25 days/5 weeks
4	Trigonometry^	F-TF 1, 2, 2.1 , 3, 4 F-IF 4, 5, 6 F-BF 1b, 3, 4a G-SRT 9, 10, 11	F-TF 5 F-IF 7b, 7e, 8, 9	<u>Pre-Calculus with Limits</u> Ch. 4 - Trigonometry	25 days/ 5 weeks
5	Analytic Trigonometry^	F-TF 1, 2, 2.1 F-IF 4, 5, 6 F-BF 1b, 3, 4a N-VM 1, 2, 3, 4	F-TF 5 F-IF 7b, 7e, 8, 9	<u>Pre-Calculus with Limits</u> Ch. 5 - Analytic Trigonometry Ch. 6 - Additional Topics in Trigonometry	35 days/7 weeks



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6	Statistics and Probability*	S-ID 4 S-IC.3, 4, 5, 6 S-MD 6, 7	S-IC 1, 2	<u>Carnegie Integrated Math III</u> Ch. 1 – Interpreting Data Ch. 2 – Inferences and Justifying Conclusions	20 days/4 weeks
7	Discrete Mathematics^	F-BF 1b, 1c, 3	None	<i>Pre-calculus with Limits:</i> Analytic Trigonometry (Unit 9.1-9.6) Functions	15 days/3 weeks
8	Analytic Geometry^			<i>Pre-calculus with Limits:</i> Analytic Geometry (Unit 10); Analytic Geometry in Three Dimensions (Unit 11)	25 days/5 weeks

Units 7 and 8 are secondary priority. They are not absolutely needed for success in Calculus