



Pasadena Unified School District
Scope & Sequence

Subject: Mathematics

Course/Grade Level: Integrated Math I Honors

Unit	Topic / Concepts Addressed	Priority Standards	Supporting Standards	Resources	MATHia Resource	Estimated Time
1	Relationships, Quantities and Patterns	F.BF 1a, 2 S.ID 7*, 8*	N.Q 1*, 2* F.IF 1, 3, 4, 5* S.ID 6a* - 6c*, 9	<u>Carnegie Integrated Math I:</u> Searching for Patterns <i>Topic 1 – Quantities and Relationships</i> <i>Topic 2 - Sequences</i> <i>Topic 3 – Linear Regressions</i>		25 days/ 5 weeks
2	Linear Functions and Systems	A.CED 1, 2, 3 A.REI 3, 3.1 , 6, 12 F.IF 2, 4*, 6*, 7a, 9* G.GPE 4, 7	N.Q 1*, 3* A.CED 4 A.REI 1, F.IF 1, 3 F.LE 1b*, G.GPE 5	<u>Carnegie Integrated Math I:</u> Exploring Constant Change <i>Topic 1 – Linear Functions</i> <i>Topic 2 – Solving Linear Equations and Inequalities</i> <i>Topic 3 – Systems of Equations and Inequalities</i> <i>Topic 4 – Shapes on a Coordinate Plane</i>		55 days/ 11 weeks
3	Non-Linear Functions	A.CED 1, 2, 3 A.SSE 1a*, 3c F-BF 1a, F.IF 2, 4*, 7b, 7e, F.LE 1a*, 2, 5 N.RN 2	A.REI 10, 11 F.LE 1c*, 3 F.IF 1, 3, 4, 8b N.Q 2* N.RN 1, 3 G-GPE 6	<u>Carnegie Integrated Math I:</u> Investigating Growth and Decay <i>Topic 1 – Introduction to Exponential Functions</i> <i>Topic 2 – Using Exponential functions</i> <u>Carnegie Integrated Math II:</u> Exploring Functions <i>Topic 1 – Functions Derived from Linear Equations</i> <i>Topic 2: Exponentials</i>		30 days/ 6 weeks



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4	Descriptive Statistics	S.ID 1*, 2*, 3*, 5	S.ID 5 A.REI 5	<u>Carnegie Integrated Math I:</u> Describing Distributions <i>Topic 1 – One Variable Statistics</i> <i>Topic 2 – Two Variable Categorical Data</i>		15 days/ 3 weeks
5	Geometric Functions	G.CO 1, 2, 3, 5, 6, 8, 13	G.CO 4, 7, 9, 12,	<u>Carnegie Integrated Math I:</u> Analyzing Geometric Functions <i>Topic 1 – Constructions</i> <i>Topic 2 Rigid Motions on a Plane</i> <i>Topic 3 – Congruence Through Transformations</i>		20 days/ 4 weeks

Standards for Mathematical Practice:

1. Make sense of problems & persevere in solving them

2. Reason abstractly & quantitatively

3. Construct viable arguments & critique the reasoning of others

4. Model with mathematics

5. Use appropriate tools strategically

6. Attend to precision

7. Look for & make use of structure

8. Look for & express regularity in repeated reasoning