

IM Pacing Guide: 5th Grade		Notes and Extensions
Unit 1	Finding Volume	
	13-14 Days	
	Optional Lesson: 12	
	Picture Books	The Gray Man: The True Story of the Invention of Crayola Crayons by Natascha Biebow
	Project: Tiny Houses	Start of unit: interview a tiny house builder build models, write a realtor listing to market the house including the square feet and volume of the tiny home. Display at PT conference. https://www.teacherspayteachers.com/Product/See-Opinion-Why-Not-Tomps-with-Articles-Living-in-Tiny-Houses-3982850
5 Days	Volume Project: tiny home	
Unit 2	Fraction Multiplication	Extension: https://www.byrdseed.tv/numerator-denominator-fraction/
	17-19 Days	https://www.byrdseed.tv/visualizing-fraction-multiplication/
	Optional Lessons: 16, 17	Field trip to Crumbl or the pizza place down the street
	Picture Books	
	Project: Baking	Baking for a large group. Interview lunch worker, senior center worker, or Crumbl or Cookie Factory worker. Make a no-bake recipe large enough to share with a large group. The kids can take home to share or share with another class.
2 Days		
Unit 3	Fractions	divide by a fraction: https://www.byrdseed.tv/visual-guide-dividing-fractions/
	19-22 Days	multiplying fractions: https://www.byrdseed.tv/visualizing-fraction-multiplication/
	Optional Lessons: 9, 10, 20	
	Picture Books	PLAN A TRIP: What is your budget? What fraction of your budget can you spend each day?
	Project: Plan a Trip	How far will you go? How many days will you travel?
5 Days	How far will you travel each day? What fraction of your trip per day?	
Unit 4	with Multi-digit Numbers	multiplication extension: https://www.byrdseed.tv/measurement-bathtub/
	21-23 Days	Toilet paper art? Toilet paper tube art? Toilet paper slide show. https://docs.google.com/presentation/d/14USzqGltS6XzefXH-
	Optional Lessons: 17, 21	Multiplying: Pop's Bridge by Eve Bunting. Dividing: No Small Potatoes: James O. Groves and His Kingdom in Kansas by Tonya Bolden
	Picture Books	
	(Mid) Multiplication Project:	
1 Day		
(End) Project: Toilet Paper	How many rolls of toilet paper do you (or your family) use per year? How many truck loads is that? How many trees? Is it worth it to get a bidet?	
1-2 Days		
Unit 5	Decimal Operations	Early Finisher place value extension: https://www.byrdseed.tv/no-hundreds/
	26-28 Days	multiplying decimals project: https://www.byrdseed.tv/measurement-a-long-movie/
	Optional Lessons: 4, 26	Section C intro for class: https://www.byrdseed.tv/patterns-multiply-decimals/ Game of Life budget simulator https://www.teacherspayteachers.com/Product/Game-of-Life-budget-simulation-
	Picture Books	
	Project: Make a Budget	choose a job. hourly pay times hours worked per day times days per month minus expenses. Students choose cards for lifestyle
Unit 6	Operations	Lesson 14 empty Easter eggs, rice, scales. Kids fill eggs, then make a line plot of the weights.
	21-23 Days	Unit conversion: https://www.byrdseed.tv/olympic-pool-2l-bottles/
	Optional Lessons: 20, 21	Ordering fractions with unlike denominators tournament. https://www.byrdseed.tv/fraction-ordering-tournament/
	Picture Books	
	Project:	equivalent fractions extension: https://www.byrdseed.tv/fractions-decompose-and-recompose/
Unit 7	Plane	Exponent extension: https://www.byrdseed.tv/exponent-patterns/
	15 Days	Area of triangles and other shapes: https://www.byrdseed.tv/area-of-triangles/ geometric shapes in architecture: https://www.byrdseed.tv/category/math/geometry-images/
	Optional Lessons: none	Angles of a triangle: https://www.byrdseed.tv/angles-of-a-triangle/

Unit 7	Picture Books	Desmos 45-60 minute lesson about the coordinate plane. Interactive: https://teacher.desmos.com/activitybuilder/custom/650c54db5506e3e2d39dc854?c regular and irregular polygons. https://www.byracesed.com/regular-irregular-polygons-concept-attainment/
	Mural Collaborative Art	
	5-7 days	video: Marie Tharp maps the ocean floor:
Unit 8	Putting it All Together	
	19-20 Days	
	Optional Lesson: 9	the test is too long for one sitting
	Picture Books	
	Project:	
2 days?		