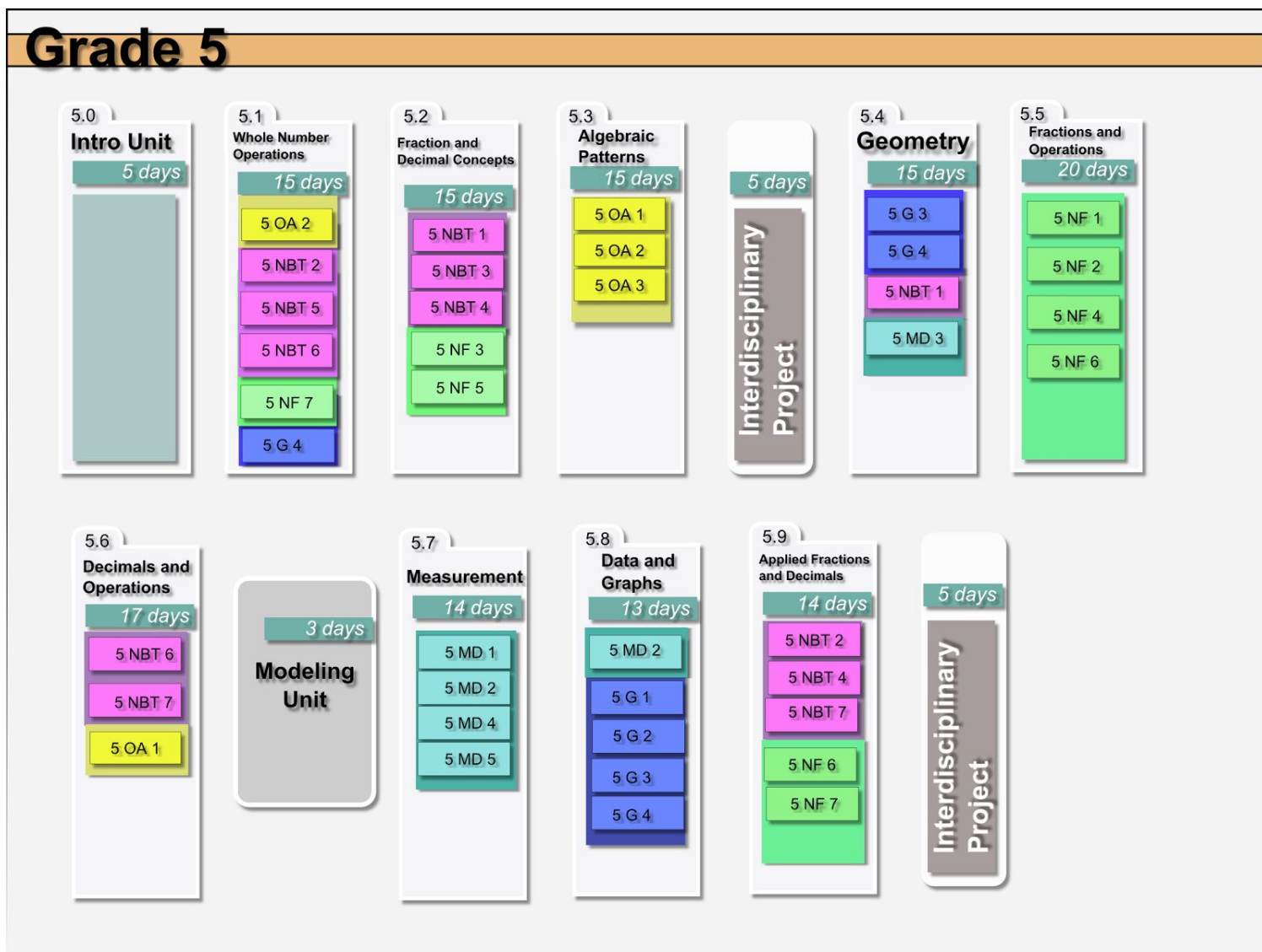


CCSS PrBL Curriculum Map: Grade 5

The following sample Problem Based Learning (PrBL) curriculum map is modeled after the scope and sequence shown below. Each of the tasks are mapped to the [Common Core State Standards](#) and can be found online. Note that this curriculum map only outlines the problem progression and does NOT address student-centered scaffolding, which is a crucial aspect of an effective math classroom. For student-centered scaffolding ideas and sample tasks, go [here](#).



Unit/Problems	Content Standards (CCSS)	Days
Intro Unit (5 days)		5
Picture This (NCTM)		1
Would You Rather - Change (John)		1
Chocolate (NRICH)		1
How Many More Miles (NRICH)	5-NBT.1	1
Lot of Cookies (YummyMath)		1

UNIT: Whole Number Operations	5-OA.2, 5-NBT.2,5,6, 5-NF.7, 5-G.4	15
Where Can We Visit? (NRICH)	5-OA.2, NBT.5	1
Make 100 (NRICH)	5-OA.2, NBT.5,6	1
Repetitiously (NRICH)	5-NBT.2	1
Number Line Dancing (NCTM)	5-NBT.5	1
Multiply and Conquer (NCTM)	5-NBT.2, 5-OA.1	1*
How Many Sheets Do You Need to Break Out of Prison? (Robert)	5-NBT.6	2
[remediation, extension, assessment, skill practice]		8

UNIT: Fraction and Decimal Concepts	5-NBT.1,3,4, 5-NF.3,5	15
Largest Product (NRICH)	5-NBT.4	1
How Do You Write a Check to Pay For Something? (Robert)	5-NBT.3a	1
A Meter of Candy (NCTM)	5-NF.3	3
Eggsactly with a dozen eggs (NCTM)	5-NF.3	1
Eggsactly with 18 eggs (NCTM)	5-NF.3	½
Eggsactly Equivalent (NCTM)	5-NF.3	½
Pizza Party (YummyMath)	5-NF.3	1
The Apple (Graham)	5-NF.3	1
Describing Designs (NCTM)	5-NF.3	1
Another Look at the Set Model with Attribute Pieces (NCTM)	5-NF.3	1*
Virtual Pattern Blocks (NCTM)	5-NF.3	1
Investigating Fractions with Pattern Blocks (NCTM)	5-NF.3	1
Fraction Feud (NCTM)	5-NF.3	1
[remediation, extension, assessment, skill practice]		0

UNIT: Algebraic Patterns	5-OA.1,2,3	15
Visual Patterns (Fawn)		3
Picturing Factors in Different Orders (Illustrative Mathematics)	5-OA.3	1
Watch Out for Parentheses (Illustrative Mathematics)	5-OA.1	1
Bowling for Numbers (Illustrative Mathematics)	5-OA.1	1
Using Operations and Parentheses (Illustrative Mathematics)	5-OA.1	1*
Two Runners (NCTM)	5-OA.3	1
Words to Expressions (Illustrative Mathematics)	5-OA.2	½
Video Game Scores (Illustrative Mathematics)	5-OA.2	1

Comparing Products (Illustrative Mathematics)	5-OA.2	½
Seeing Is Believing (Illustrative Mathematics)	5-OA.2	½
Beads Under the Cloud (Teresa)	5-OA.1,2,3	3
Running Races (NCTM)	5-OA.3	1
Cinema Problem (NRICH)	5-OA.2,3	1
[remediation, extension, assessment, skill practice]		

Interdisciplinary Project		5
Geometry in the World of Art (NCTM)		3
Place Your Orders (NRICH)		1

UNIT: Geometry	5-G.3,4, 5-NBT.1, 5-MD.3	15
Trying Out Tangrams (NCTM)	5-G.4	2
Property Chart (NRICH)	5-G.3,4	1
Quadrilaterals Game (NRICH)	5-G.3,4	1
What does it take to construct a triangle (NCTM)	5-G.4	1
Rectangles and Parallelograms (NCTM)	5-G.4,5	1
Shapes and Poetry (NCTM)	5-G.4	1
Getting to Know the Shapes (NCTM)	5-G.4	1
What is a Trapezoid? Part 1 , Part 2 (Illustrative Mathematics)	5-G.4	2*
Packing Sugar (Graham)	5-MD.3,4,5	1
[remediation, extension, assessment, skill practice]		4

UNIT: Fractions and Operations	5-NF.1,2,4,5c,6	20
Paper Cuts (Andrew via 101qs)	5-NF.4, 4-MD.3	1
Keep it Simple (NRICH)	5-NF.1	1
Egyptian Fractions (NRICH)	5-NF.1	1
The Greedy Algorithm (NRICH)	5-NF.1	1
Fractions Jigsaw (NRICH)	5-NF.1,2	2
Peaches Today, Peaches Tomorrow... (NRICH)	5-NF.1,2,3,4	1
How Tall Is Mini Me? (Robert)	5-NF.5,5a,5c	1
Another Look at Fractions of a Set (NCTM)	5-NF.4,5	1
Pizza With Friends (Teresa)	5-NF.1,2,4	3*
Where are the Cookies (Teresa)	5-NF.4, 4a, 4b,6	3
Fractions on a Line Plot (Illustrative Mathematics)	5-NF.1,5-MD.2	1
Ben's Game (NRICH)	5-NF.2,3	1
[remediation, extension, assessment, skill practice]		3

UNIT: Decimals and Operations	5-NBT.6,7, 5-OA.1	17
Sports Numbers (NCTM)	5-NF.3,6,7	1*
Getting the Decimal Point With Blocks (NCTM)	5-NBT.6	1
Division and Interpreting Remainders (Teresa)	5-NBT.1,6	3
Minutes and Days (Illustrative Mathematics)	5-MD.1, 5-NBT.6	1
Granny Smith's Skins (Graham)	5-.NBT.7	1
What Should the Freeway Sign Show? (Robert)	5-NBT.7, 4-MD.2	1
Hanging by a hair (Graham)	5.NBT.7, 5.OA.3, 5.MD.1	2
Let it Flow (Graham)	MCC5.NBT.6&7, MCC5.MD.1	1*
[remediation, extension, assessment, skill practice]		8

Modeling Unit		3
State Population Projections (NCTM)		3

UNIT: Measurement	5-MD.1,2,4,5	14
How Fast Can You Throw a Baseball? (Robert)	5-MD.1	1
Converting Fractions of a Unit into a Smaller Unit (Illustrative Mathematics)	5-NF.3, 5-MD.1	1
You Can Multiply Three Numbers in Any Order (Illustrative Mathematics)	5-MD.5, 5-OA.3	1
What's a Typhoon (Yummymath)	5-MD.1	2
Aluminum Cans (NCTM)	5-MD.2	1
How Big of a Problem are Littered Cigarette Butts? (Robert)	5-MD.3,4,5	1
How Big Is the 2010 Guatemalan Sinkhole? (Robert)	5-MD.3,4,5	1
The Slow Forty (Dan)	5-MD.1	2
Box of Clay (Illustrative Mathematics)	5-MD.5	1
Using Volume to Understand the Associative Property of Multiplication (Illustrative Mathematics)	5-MD.5	1
Overflow (Graham)	5-MD.4,5	1
The Fish Tank (Graham)	5-MD.1,4,5	1*
Cari's Aquarium (Illustrative Mathematics)	5-MD.5	1

[remediation, extension, assessment, skill practice]		
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UNIT: Data and Graphs	5-MD.2, 5-G.1,2,3,4	13
Rescue Mission Game (NCTM)	5-G.1,2	2
Battleship (Illustrative Mathematics)	5-G.1a	1
Eight Hidden Squares (NRICH)	5-G.1,3	1
Every Beat of Your Heart (NCTM)	5-MD.2, G-1,2	1*
The Soup Spot (NCTM)	5-MD.2	1
[remediation, extension, assessment, skill practice]		7

UNIT: Applied Decimals and Fractions	5-NBT.2,4,7, 5-NF.6,7	13
Class Attributes (NCTM)	5-NF.3,6,7	2
Ratio and Dilutions (NRICH)	5-NF.5,6,7	1
Oil, Oil Everywhere (NCTM)	5-NF.3,7	2
How much Dew (Graham)	5-NF.6	1
A Brownie Bake (NCTM)	5-NF.5,6	2
Triathlon and Fitness (NRICH)	5-NF.5,6,7, 5-NBT.3,7	1
Tomato Tomato (Graham)	5.NBT.6,7	1
Sugar Cubes (Graham)	5-NBT.6,7	1*
[remediation, extension, assessment, skill practice]		4

Interdisciplinary Project		5
National Population Projections (NCTM)		5