

2017-2018 Downey Unified School District 1st Grade Math Curriculum Map

August, September, October and November

Trimester Focus: **Developing OA & NBT, 0 - 50, Teaching Routines, Base 10**

Essential Questions	Big Ideas	Standards	Assessments	Routines and Activities	Resources
<p>How many ones do we use to create a ten?</p> <p>What happens when we collect ten ones?</p> <p>How can a number be represented in different ways?</p> <p>How can you count how many objects are in a group?</p> <p>How can you add numbers with sums up to 10?</p> <p>How can you add up 3 addends efficiently?</p> <p>Can you explain what you are solving for when you are doing a word problem?</p> <p>How can you solve a problem using multiple strategies?</p> <p>How can you order numbers using what you know about place value?</p> <p>How can you balance both sides of an equal sign?</p> <p>What do the following symbols mean: =, +, -, <, >?</p> <p>How can you organize data?</p> <p>What can you learn from the data?</p>	<ul style="list-style-type: none"> Unitizing a ten Addition and subtraction within 20 Word problems – all problem types 3 addends word problems Addition and subtraction computation within 10 using strategies Understanding the equal sign (True/false number sentences) Write numbers correctly up to 50 in a hundreds chart One more/one less Place value: Tens and ones Counting to 120 Organize, represent and interpret data with up to three categories <p>Ongoing Supporting Standards:</p> <ul style="list-style-type: none"> Time Measurement Geometry <p>These standards can be taught at any point during the year and will be assessed when you complete your mini unit on the topic and at the end of the year.</p>	<ul style="list-style-type: none"> 1.OA.1 1.OA.2 1.OA.3 1.OA.4 1.OA.5 1.OA.6 1.OA.7 1.NBT.1 1.NBT.2 1.NBT.5 1.MD.4 	<ul style="list-style-type: none"> Math Growth Assessment (required) Word Problem Growth Assessment (required at least 2 times per year; suggested to do in small groups) Progress Report Snapshot_T1 (optional) Trimester 1 Assessment (required) <p>Teacher Reflection questions:</p> <p>Have you considered your number choices when planning your word problems? (help them develop unitizing a ten)</p> <p>Are you providing adequate time for student discussion of different problem solving strategies?</p> <p>Are your students explaining the strategies they are using clearly to you and with other students?</p> <p>Are you looking at your children’s problem solving strategies and using that knowledge to plan instruction?</p> <p>How are your routines helping students deepen their number knowledge?</p>	<ul style="list-style-type: none"> Word Problems(all 15 types) Counting Collections Hundreds Chart (see book) Number of the Day One of these Things <ul style="list-style-type: none"> Sesame Street Video Dot Patterns/Ten Frames Choral Counting Math Wall/Math Mat/Calendar Decompose numbers Numbers Galore/Different ways to make numbers Ten Wand Number Strings (see Number Talks book) Graphing Data Math Talks Count Around the Circle Suggested Apps SeeSaw (drawing, note and recording tool) Draw and Tell (whiteboard & recording tool) Number Pieces Basic (place value manipulatives) Number Frames (10 frames and counters) Popplet (Thinking Map/#of the day) Number Rack (rekenrek) Counting Board (100s chart/ # games) Hands on Hundreds Chart Explain Everything (math whiteboard, recording device) GeoBoard Pattern Shapes 	<p>1st Grade Common Core Standards</p> <ul style="list-style-type: none"> Illustrative Mathematics <p>Resources:</p> <p>Georgia</p> <ul style="list-style-type: none"> Unit 1 <p>Creating Routines Using Data</p> <ul style="list-style-type: none"> Unit 2 <p>Developing Base Ten Number Sense</p> <p>Expressions</p> <p>Unit 1-Partners and Number Patterns Through 10</p> <p>Unit 2-Addition and Subtraction Strategies</p> <p>Unit 3-Unknown Numbers in Addition and Subtraction</p> <p>Unit 6-Lessons 1-4 Introducing Data-Sort, Count and Record (BRASSY)</p> <p>Unit 7-Telling Time, Geometric Time, Lessons 1-5, Shapes & Attributes, Shapes & Equal Shares, Lessons 6-11, Equal Share, Measurement & Length, Measurement & Length, Lessons 12-14</p> <p>Engage New York</p> <p>Module 1</p> <p>Sums and Differences to 10</p>

2017-2018 Downey Unified School District 1st Grade Math Curriculum Map

November, December, January, February, and March

Trimester Focus: **Understanding OA & NBT, 0 - 100**

Essential Questions	Big Ideas	Standards	Assessments	Routines and Activities	Resources
<p>How can you use your knowledge of tens/ones to determine the value of a number?</p> <p>How can you use facts within 10 to add or subtract larger numbers?</p> <p>How can you compare 2 digit numbers?</p> <p>How can you add or subtract by tens efficiently?</p> <p>How can you balance both sides of an equal sign?</p> <p>How can you use the relationship between addition and subtraction to help you solve problems?</p> <p>Can you identify what you are solving for when you are doing a word problem?</p> <p>How can you collect, organize and display data?</p> <p>How can you use what you know about tens and ones to add numbers?</p>	<ul style="list-style-type: none"> Understanding Place Value Unitizing a ten Compare 2-digit numbers Add numbers within 100 based on place value (tens) (ex.32+10=) Counting to 120, starting from any number Subtracting multiples of ten with multiples of ten Ten more/ ten less (mentally) Word problems – all addition and subtraction problem types with result and change unknown and multiplication and measurement division with groups of ten Addition and subtraction within 20 Fluency is only focusing on within 10 <p>Ongoing Supporting Standards:</p> <ul style="list-style-type: none"> Time Measurement Geometry <p>These standards can be taught at any point during the year and will be assessed when you complete your mini unit on the topic and at the end of the year.</p>	<ul style="list-style-type: none"> 1.OA.1 1.OA.2 1.OA.3 1.OA.4 1.OA.5 1.OA.6 1.OA.7 1.OA.8 1.NBT.1 1.NBT.2 1.NBT.3 1.NBT.4 1.NBT.5 1.NBT.6 1.MD.3 1.MD.4 1.G.1 1.G.2 1.G.3 	<ul style="list-style-type: none"> Math Growth Assessment (required) Word Problem Growth Assessment (required at least 2 times per year; suggested to do in small groups) Progress Report Snapshot_T2 (optional) Trimester 2 Assessment (required) <hr/> <p>Teacher Reflection questions:</p> <p>How are you questioning/leading your students so they will organize their work in an efficient way?</p> <p>How are you helping your students become math leaders?</p> <p>Are you choosing numbers that will deepen their knowledge of tens and ones when planning your word problems?</p> <p>Are you providing adequate time for student discussion of different problem solving strategies?</p> <p>Are your students restating what other students have said?</p> <p>Are they able to use a variety of ways to problem solve? Are you looking at your children’s problem solving strategies and using that knowledge to plan instruction?</p>	<ul style="list-style-type: none"> Word Problems Counting Collections Hundreds Chart (see book) Number of the Day One of these Things <ul style="list-style-type: none"> Sesame Street Video Dot Patterns/Ten Frames Choral Counting Math Wall/Math Mat/Calendar Decompose numbers Numbers Galore/Different ways to make numbers Ten Wand Number Strings (see Number Talks book) Graphing Data Math Talks Count Around the Circle Suggested Apps <p>SeeSaw (drawing, note and recording tool)</p> <p>Draw and Tell (whiteboard & recording tool)</p> <p>Number Pieces Basic (place value manipulatives)</p> <p>Number Frames (10 frames and counters)</p> <p>Popplet (Thinking Map/#of the day)</p> <p>Number Rack (rekenrek)</p> <p>Counting Board (100s chart/ # games) Hands on Hundreds Chart</p> <p>Explain Everything (math whiteboard, recording device)</p> <p>GeoBoard</p> <p>Pattern Shapes</p>	<p>1st Grade Common Core Standards</p> <ul style="list-style-type: none"> Illustrative Mathematics <p>Resources</p> <p>Georgia</p> <ul style="list-style-type: none"> Unit 5 <p>Operations and Algebraic thinking</p> <ul style="list-style-type: none"> Unit 6 <p>Understanding Place Value</p> <p>Expressions</p> <ul style="list-style-type: none"> Unit 4-Place Value Concepts Unit 5-Place Value Situations Unit 6-Comparisons and Data-Lessons 1-5 Unit 7-Telling Time, Geometric Time, Lessons 1-5, Shapes & Attributes, Shapes & Equal Shares, Lessons 6-11, Equal Share, Measurement & Length, Measurement & Length, Lessons 12-14 <p>Engage New York</p> <ul style="list-style-type: none"> Module 2 <p>Introduction to Place Value Through Addition and Subtraction Within 20</p> <ul style="list-style-type: none"> Module 4 <p>Place Value, Comparison, Addition and Subtraction to 40</p> <ul style="list-style-type: none"> Module 6 <p>Place Value, Comparison, Addition and Subtraction to 100</p>

2017-2018 Downey Unified School District 1st Grade Math Curriculum Map

March, April, May and June

Trimester Focus: **Mastering OA & NBT, 0 - 120, Mastering 1.MD.1-4 and 1.G.1-3**

Essential Questions	Big Ideas	Standards	Assessments	Routines and Activities	Resources
<p>How can you find 10 more and 10 less without having to count?</p> <p>How can you use what I know about tens and ones to add larger 2 digit numbers efficiently?</p> <p>How can you use facts within 10 to help me add or subtract larger numbers?</p> <p>How can you compare 2 digit numbers?</p> <p>How can you balance both sides of an equal sign?</p> <p>How can you use the relationship between addition and subtraction to help you solve problems?</p> <p>How can you tell time to the hour and half hour?</p> <p>How can you write the time digitally?</p> <p>How can you compare lengths of 2 objects?</p> <p>How can you measure in different units? (cubes, paperclips...)</p> <p>What makes shapes different from one another?</p> <p>How do shapes fit together and come apart?</p> <p>How can you divide a whole shape into equal parts?</p>	<ul style="list-style-type: none"> Understanding Place Value Unitizing a ten Compare 2-digit numbers Add numbers within 100 based on place value (tens and ones) (ex. $32+8=$) Counting to 120 Subtracting multiples of ten with multiples of ten Ten more/ ten less Word problems – all types Addition and subtraction within 20 Fluency is only focusing on within 10 Organize, represent, and interpret data with up to three categories: <p>Ongoing Supporting Standards:</p> <ul style="list-style-type: none"> Time Measurement Geometry <p>These standards can be taught at any point during the year and will be assessed when you complete your mini unit on the topic and at the end of the year.</p>	<ul style="list-style-type: none"> 1.OA.1 1.OA.2 1.OA.3 1.OA.4 1.OA.5 1.OA.6 1.OA.7 1.OA.8 1.NBT.1 1.NBT.2 1.NBT.3 1.NBT.4 1.NBT.5 1.NBT.6 1.MD.1 1.MD.2 1.MD.3 1.MD.4 1.G.1 1.G.2 1.G.3 	<ul style="list-style-type: none"> Math Growth Assessment (required) Word Problem Growth Assessment (required at least 2 times per year; suggested to do in small groups) Progress Report Snapshot_T3 (optional) Trimester 3 Assessment (required) <hr/> <p>Teacher Reflection questions:</p> <p>How are you helping your students become math leaders?</p> <p>Are you choosing numbers that will continue to deepen their knowledge of tens and ones when planning your word problems?</p> <p>Are you providing adequate time for student discussion of different problem solving strategies?</p> <p>Are they building upon other students' thinking/deepening their reasoning skills?</p> <p>Are they able to use a variety of ways to problem solve?</p> <p>Are you looking at your children's problem solving strategies and using that knowledge to plan instruction?</p>	<ul style="list-style-type: none"> Word Problems Counting Collections Hundreds Chart (see book) Number of the Day One of these Things <ul style="list-style-type: none"> Sesame Street Video Dot Patterns/Ten Frames Choral Counting Math Wall/Math Mat/Calendar Decompose numbers Numbers Galore/Different ways to make numbers Ten Wand Number Strings (see Number Talks book) Graphing Data Math Talks Count Around the Circle <p style="text-align: center;">Suggested Apps</p> <p>SeeSaw (drawing, note and recording tool)</p> <p>Draw and Tell (whiteboard & recording tool)</p> <p>Number Pieces Basic (place value manipulatives)</p> <p>Number Frames (10 frames and counters)</p> <p>Popplet (Thinking Map/#of the day)</p> <p>Number Rack (rekenrek)</p> <p>Counting Board (100s chart/ # games)</p> <p>Hands on Hundreds Chart</p> <p>Explain Everything (math whiteboard, recording device)</p> <p>GeoBoard</p> <p>Pattern Shapes</p>	<p>1st Grade Common Core Standards</p> <ul style="list-style-type: none"> Illustrative Mathematics <p>Resources</p> <p>Georgia</p> <ul style="list-style-type: none"> Unit 3 <p>Understanding Shapes and Fractions</p> <ul style="list-style-type: none"> Unit 4 <p>Sorting, Comparing, and Ordering</p> <p>Expressions</p> <p>Unit 6</p> <ul style="list-style-type: none"> Comparisons and Data, Lessons 1-9 <p>Unit 7</p> <ul style="list-style-type: none"> Telling Time, Geometric Time, Lessons 1-5, Shapes & Attributes, Shapes & Equal Shares, Lessons 6-11, Equal Share, Measurement & Length, Measurement & Length, Lessons 12-14 <p>Unit 8</p> <p>Two-Digit Addition-Lessons 1-6</p> <p>Engage New York</p> <ul style="list-style-type: none"> Module 3 <p>Ordering and Comparing Length Measurements as Numbers</p> <ul style="list-style-type: none"> Module 5 <p>Identifying, Composing and Partitioning Shapes</p>

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