

Wilson Area School District Planned Course Guide

Title of planned course: Mathematics Grade 1

Subject Area: Math

Grade Level: 1st

Course Description: Provide all students with hands-on math experiences appropriate to their cognitive development that will serve as a solid foundation for more advanced ideas in the future.

Time/Credit for this Course: One Full Academic Year

Curriculum Writing Committee: Allison Yarko and Samantha Strickler

Curriculum Map

The days listed with each topic include one day for each lesson, reteaching, practice assessment, and topic assessment

August:

Math Readiness

September:

Topic 1: Understand Addition and Subtraction (13 days)

Topic 2: Fluently Add and Subtract Within 10 (12 days)

October:

Topic 3: Addition Facts to 20: Use Strategies (13 days)

Topic 4: Subtraction Facts to 20: Use Strategies (13 days)

November:

Topic 4: Subtraction Facts to 20: Use Strategies (12 days)

Topic 5: Work with Addition and Subtraction Equations (11 days)

December:

Topic 5: Work with Addition and Subtraction Equations (11 days)

Topic 6: Represent and Interpret Data (8 days)

January:

Topic 7: Extend the Counting Sequence (11 days)

Topic 8: Understand Place Value (11 days)

February:

Topic 9: Compare Two-Digit Numbers (10 days)

Topic 10: Use Models and Strategies to Add Tens and Ones (12 days)

March:

Topic 11: Use Models and Strategies to Subtract Tens (11 days)

Topic 12: Measure Lengths (12 days)

April:

Topic 13: Time and Money (10 days)

Topic 14: Reason with Shapes and Their Attributes (12 days)

May/June:

Topic 15: Equal Shares of Circles and Rectangles (9 days)

Step Up to Second Grade (10 days)

Wilson Area School District Planned Course Materials

Course Title: Mathematics Grade 1

Textbook: enVision Mathematics Common Core 2020 Grade 1
Scott Foresman - Savvas Learning Company

Supplemental Books:

- Students' Edition Workbook
- Additional Practice Workbook

Teacher Resources:

- Manuals & resource books
- Manipulatives
- SavvasRealize.com Digital Resources

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 1: Understand Addition and Subtraction

Time frame: 13 days

State Standards:

- **CC.2.2.1.A.1** Represent and solve problems involving addition and subtraction within 20
- **CC.2.2.1.A.2** Understand and apply properties of operations and the relationship between addition and subtraction

Essential Content/Objectives: At end of the unit, students will be able to:

- Solve addition problems involving situations of adding one part to another part
- Solve addition problems involving situations of putting two parts together
- Solve addition word problems by breaking apart a total number of objects
- Solve subtraction problems involving taking from a group
- Solve problems that involve comparing to find how many more objects are in one group than another group
- Solve problems that involve comparing to find how many fewer objects are in one group than another group
- Solve addition problems by finding a missing addend
- Solve problems involving putting together or taking apart
- Construct math arguments in order to solve addition and subtraction problems

Core Activities: Students will complete/participate in the following:

- Lesson 1-1: use pictures to write and solve word problems about adding to
- Lesson 1-2: use pictures to solve word problems about putting two parts together
- Lesson 1-3: use pictures to find the addends when a sum is given
- Lesson 1-4: use pictures to solve word problems by taking away
- Lesson 1-5: use pictures to compare situations and subtract
- Lesson 1-6: use pictures to compare situations and subtract
- Lesson 1-7: use pictures to find a missing addend
- Lesson 1-8: use pictures to solve addition and subtraction word problems
- Lesson 1-9: use pictures, numbers, and words to solve and explain word problems
- Fluency Practice Activity
- Vocabulary Review/Topic 1 Reteaching
- Math Games: Tentacles, Fancy Flea
- Interactive Math Story: Subtraction Dance Party

Extensions:

- EnVision STEM Project: Parents and Babies
- EnVision STEM Activity Print Outs
- Pick a Project: The Early Bird, Citrus Fruit, Log Homes
- 3-Act Math Task: Grab a Bite
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 2: Fluently Add and Subtract Within 10

Time frame: 12 days

State Standards:

- **CC.2.2.1.A.1** Represent and solve problems involving addition and subtraction within 20
- **CC.2.2.1.A.2** Understand and apply properties of operations and the relationship between addition and subtraction

Essential Content/Objectives: At end of the unit, students will be able to:

- Add by counting on from a number
- Use doubles to solve problems
- Solve problems using near doubles facts
- Use a ten-frame to solve addition facts with 5 and 10
- Use the same addends to write two different equations with the same sum
- Count back to solve subtraction problems
- Use addition facts to 10 to solve subtraction problems
- Solve word problems by drawing pictures and writing equations
- Use structure and identify patterns in order to solve problems

Core Activities: Students will complete/participate in the following:

- Lesson 2-1: use a number line and pictures to count on from a number to solve addition equations
- Lesson 2-2: use manipulatives to make double addends to solve addition equations
- Lesson 2-3: use understanding of doubles to make near doubles to solve addition equations
- Lesson 2-4: use a ten frame to solve addition equations with 5 and 10
- Lesson 2-5: use manipulatives to solve addition equations with addends in any order
- Lesson 2-6: use a number line to count backwards to subtract
- Lesson 2-7: use a part-part-whole visual model to solve related addition and subtraction equations
- Lesson 2-8: draw pictures to write and solve equations with facts to 10
- Lesson 2-9: use a table to identify patterns
- Fluency Practice Activity
- Vocabulary Review/Topic 2 Reteaching
- Math Games: Tentacles, Flying Cow Incident, Fluency Game
- Interactive Math Story: Addition at the Zoo

Extensions:

- EnVision STEM Project: Protect Yourself
- EnVision STEM Activity Print Outs
- Pick a Project: Jetting Around, Lightning Flashes, Space Station, Apes and Monkeys
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 3: Addition Facts to 20: Use Strategies

Time frame: 13 days

State Standards:

- **CC.2.2.1.A.1** Represent and solve problems involving addition and subtraction within 20
- **CC.2.2.1.A.2** Understand and apply properties of operations and the relationship between addition and subtraction

Essential Content/Objectives: At end of the unit, students will be able to:

- Count on to add using a number line
- Count on to add using an open number line
- Memorize doubles facts
- Use doubles facts to help solve doubles-plus facts
- Make 10 to add numbers to 20
- Solve addition problems using different strategies
- Critique the reasoning of others by using known information about addition and subtraction

Core Activities: Students will complete/participate in the following:

- Lesson 3-1: use number lines to count on
- Lesson 3-2: use open number lines to count on
- Lesson 3-3: recognize and solve doubles facts
- Lesson 3-4: use known doubles facts to solve near doubles equations
- Lesson 3-5: use ten frames to change addition facts into an equivalent fact with 10
- Lesson 3-6: continue practicing the Make 10 strategy using a number line and mental math
- Lesson 3-7: analyze addition facts and apply a variety of strategies to solve
- Lesson 3-8: use strategies to solve comparison problems
- Lesson 3-9: solve word problems to agree or disagree with an answer
- Fluency Practice Activity
- Vocabulary Review/Topic 3 Reteaching
- Math Games: Fancy Flea, Flying Cow Incident, Fluency Game
- Interactive Math Story: Monkey Doubles

Extensions:

- EnVision STEM Project: What do they eat?
- EnVision STEM Activity Print Outs
- Pick a Project: Hide and Seek, Boating Around, Fun on Roller Coasters
- 3-Act Math Task: Go for a Spin
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 4: Subtraction Facts to 20: Use Strategies

Time frame: 13 days

State Standards:

- **CC.2.2.1.A.1** Represent and solve problems involving addition and subtraction within 20
- **CC.2.2.1.A.2** Understand and apply properties of operations and the relationship between addition and subtraction

Essential Content/Objectives: At end of the unit, students will be able to:

- Use a number line to subtract by counting on or counting back
- Make subtraction easier by making 10 to subtract
- Count on to subtract using 10 as a landmark
- Make addition and subtraction facts using the same three numbers
- Use addition facts to find subtraction facts
- Explain strategies used to solve subtraction problems
- Solve different types of addition and subtraction problems with unknowns in different positions
- Use reasoning to write and solve number stories

Core Activities: Students will complete/participate in the following:

- Lesson 4-1: use a number line to count on or count back to subtract
- Lesson 4-2/4-3: use ten frames to make 10 to solve subtraction facts to 20
- Lesson 4-4: use a part-part-whole model to write fact families
- Lesson 4-5: use a part-part-whole model to solve related addition and subtraction facts
- Lesson 4-6: use addition facts to solve subtraction facts
- Lesson 4-7: use all subtraction strategies to solve equations
- Lesson 4-8: draw pictures to solve addition and subtraction equations to 20
- Lesson 4-9: write word problems for addition and subtraction equations
- Fluency Practice Activity
- Vocabulary Review/Topic 4 Reteaching
- Math Games: Flying Cow Incident, Save the Word
- Interactive Math Story: Flying Subtraction

Extensions:

- EnVision STEM Project: Pattern of Day and Night
- EnVision STEM Activity Print Outs
- Pick a Project: Pizza Fun Facts, Eat Your Vegetables, Batter Up!, Tons of Gold
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 5: Work with Addition and Subtraction Equations

Time frame: 11 days

State Standards:

- **CC.2.2.1.A.1** Represent and solve problems involving addition and subtraction within 20
- **CC.2.2.1.A.2** Understand and apply properties of operations and the relationship between addition and subtraction

Essential Content/Objectives: At end of the unit, students will be able to:

- Find the unknown number in an equation
- Determine if addition and subtraction equations are true or false
- Find the missing numbers in equations to make them true
- Use different strategies to add three numbers
- Use different strategies to solve word problems with 3 addends
- Solve word problems involving comparisons
- Use precision to determine the missing number or symbol in an equation

Core Activities: Students will complete/participate in the following:

- Lesson 5-1: use models and known facts to solve for missing parts
- Lesson 5-2: decide if an equation is true or false using counters
- Lesson 5-3: use strategies to find the missing numbers in algebraic equations
- Lesson 5-4: apply strategies to solve addition equations with 3 addends
- Lesson 5-5: apply strategies to solve word problems with 3 addends
- Lesson 5-6: use part-part whole mats to solve comparison problems
- Lesson 5-7: use precise language to describe how the missing number or symbol was identified
- Fluency Practice Activity
- Vocabulary Review/Topic 5 Reteaching
- Math Games: Flying Cow Incident, Save the Word
- Interactive Math Story: Going to the Zoo

Extensions:

- EnVision STEM Project: Underwater Communication
- EnVision STEM Activity Print Outs
- Pick a Project: Nuts for Nuts, Phases of the Moon, Check Out Checkers
- 3-Act Math Task: Weighed Down
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 6: Represent and Interpret Data

Time frame: 8 days

State Standards:

- **CC.2.2.1.A.1** Represent and solve problems involving addition and subtraction within 20
- **CC.2.4.1.A.4** Represent and interpret data using tables/charts

Essential Content/Objectives: At end of the unit, students will be able to:

- Organize data into categories
- Collect and organize information using a picture graph
- Interpret organized data
- Use a picture graph to interpret data
- Use perseverance to solve problems about sets of data

Core Activities: Students will complete/participate in the following:

- Lesson 6-1: create and use a tally chart
- Lesson 6-2: use a tally chart to create a picture graph
- Lesson 6-3/6-4: use a tally chart and picture graph to answer questions about data
- Lesson 6-5: use pictures, words, and equations to explain problems involving graphs, charts, and data
- Fluency Practice Activity
- Vocabulary Review/Topic 6 Reteaching
- Math Games: Save the Word, Fluency Games
- Interactive Math Story: Sports Graphs

Extensions:

- EnVision STEM Project: Different Types of Phones
- EnVision STEM Activity Print Outs
- Pick a Project: Dog Data, Supply Survey, Getting Dressed, Shell Selection
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 7: Extend the Counting Sequence

Time frame: 11 days

State Standards:

- **CC.2.1.1.B.1** Extend the counting sequence to read and write numerals to represent objects
- **CC.2.1.1.B.2** Use place-value concepts to represent amounts of tens and ones to compare two digit numbers

Essential Content/Objectives: At end of the unit, students will be able to:

- Count by 10s to 120
- Count by 1s to 120
- Count on a number chart to 120
- Find number patterns on a number chart
- Count to 120 using an open number line
- Write numerals to show how many are in a group
- Find better and faster ways to solve problems

Core Activities: Students will complete/participate in the following:

- Lesson 7-1: use ten frames to skip-count groups of tens
- Lesson 7-2: use base ten blocks to count by 1s
- Lesson 7-3: use a hundred chart to count by 1s
- Lesson 7-4: recognize and use patterns on a hundred chart to skip-count in a variety of ways
- Lesson 7-5: use an open number line to illustrate skip-counting
- Lesson 7-6: circle tens to count two-digit numbers
- Lesson 7-7: find a sum by circling tens and counting on
- Fluency Practice Activity
- Vocabulary Review/Topic 7 Reteaching
- Math Games: Gobbling Globbs, Fluency Games
- Interactive Math Story: *Tens of Ants*

Extensions:

- EnVision STEM Project: Parents and Babies
- EnVision STEM Activity Print Outs
- Pick a Project: Sticker Song, Great Games, Creating Quilts
- 3-Act Math Task: Super Selfie
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 8: Understand Place Value

Time frame: 11 days

State Standards:

- **CC.2.1.1.B.2** Use place-value concepts to represent amounts of tens and ones to compare two digit numbers

Essential Content/Objectives: At end of the unit, students will be able to:

- Read and write numbers 11 to 19
- Show groups of 10 with connecting cubes
- Group tens to solve problems
- Count tens and ones to find a two-digit number
- Use drawings to solve problems with tens and ones
- Decompose numbers in multiple ways
- Use tens and ones to make numbers in different ways

Core Activities: Students will complete/participate in the following:

- Lesson 8-1: use counters to build a number between 11 and 19, and rewrite as tens and ones
- Lesson 8-2: use unifix cubes to count tens, and rewrite as tens and ones
- Lesson 8-3: use pictures to identify groups of tens and ones, writing a two-digit number
- Lesson 8-4: use pictures to count tens and ones to write a two-digit number
- Lesson 8-5: identify and draw tens and ones when given a two-digit number
- Lesson 8-6: use cubes to show a two-digit number two different ways (different groupings of tens and ones)
- Lesson 8-7: create a table to record different ways to build a two-digit number with different groupings of tens and ones
- Fluency Practice Activity
- Vocabulary Review/Topic 8 Reteaching
- Math Games: Gobbling Globbs, Save the Word
- Interactive Math Story: Tens and Ones at the Diner

Extensions:

- EnVision STEM Project: Daylight Throughout the Year
- EnVision STEM Activity Print Outs
- Pick a Project: Hot Dog!, Marking Marks, Cracker Stack, Ten Underwater
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
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- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 9: Compare Two-Digit Numbers

Time frame: 10 days

State Standards:

- **CC.2.1.1.B.1** Extend the counting sequence to read and write numerals to represent objects
- **CC.2.1.1.B.2** Use place-value concepts to represent amounts of tens and ones to compare two digit numbers
- **CC.2.1.1.B.3** Use place-value concepts and properties of operations to add and subtract within 100

Essential Content/Objectives: At end of the unit, students will be able to:

- Find numbers that are more or less than a given number
- Use a hundred chart to find 1 more, 1 less, and 10 more, 10 less
- Use place-value blocks to compare 2 two-digit numbers
- Compare two numbers using a greater than, a less than, or an equal to sign
- Compare and write two-digit numbers that are greater than or less than other two-digit numbers
- Make sense of a problem and find the best way to solve it

Core Activities: Students will complete/participate in the following:

- Lesson 9-1: use place value cubes to model one more, one less, ten more, ten less
- Lesson 9-2: use a hundred chart to identify one more, one less, ten more, and ten less than a set amount
- Lesson 9-3: use place value cubes to compare two-digit numbers using the phrases “greater than” and “less than”
- Lesson 9-4: use place value cubes to compare two-digit numbers using greater than, less than, and equal to signs
- Lesson 9-5: use a number line to complete math inequalities
- Lesson 9-6: read clues and make an organized list to solve a riddle
- Fluency Practice Activity
- Vocabulary Review/Topic 9 Reteaching
- Math Games: Launch that Sheep, Fluency Games
- Interactive Math Story: *The Store Needs More*

Extensions:

- EnVision STEM Project: Light and Objects
- EnVision STEM Activity Print Outs
- Pick a Project: Temperature Check, Shorebirds, Sponge Art
- 3-Act Math Task: Digit Flip
- Today’s Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
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- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 10: Use Models and Strategies to Add Tens and Ones

Time frame: 12 days

State Standards:

- **CC.2.1.1.B.3** Use place-value concepts and properties of operations to add and subtract within 100

Essential Content/Objectives: At end of the unit, students will be able to:

- Add 2 multiple of 10
- Use mental math to add tens to two-digit numbers
- Use a hundred chart to add tens and ones
- Use a number line to solve addition problems
- Solve addition problems by using blocks or drawings
- Make a ten to help solve addition problems
- Add 2 two-digit numbers
- Solve addition problems using different strategies
- Model and solve problems by drawing a picture and writing an equation

Core Activities: Students will complete/participate in the following:

- Lesson 10-1: use pictures of cubes to add tens
- Lesson 10-2: use pictures of cubes and mental math to add ten more than a number
- Lesson 10-3: move down on a hundred chart to add tens, and right on a hundred chart to add ones
- Lesson 10-4: create a number line to add tens and ones
- Lesson 10-5: draw pictures of cubes to add tens and ones
- Lesson 10-6: think 10 to add
- Lesson 10-7: use place value to add tens and ones
- Lesson 10-8: use all addition strategies to solve addition problems
- Lesson 10-9: draw pictures to solve addition stories
- Fluency Practice Activity
- Vocabulary Review/Topic 10 Reteaching
- Math Games: Gobbling Globbs, Save the Word
- Interactive Math Story: *Tens at the Hat Store*

Extensions:

- EnVision STEM Project: Watch the Stars
- EnVision STEM Activity Print Outs
- Pick a Project: Manatee Mania, Target Toss, Becoming Butterflies, Hiding Octopuses
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 11: Use Models and Strategies to Subtract Tens

Time frame: 11 days

State Standards:

- **CC.2.1.1.B.2** Use place-value concepts to represent amounts of tens and ones to compare two digit numbers
- **CC.2.1.1.B.3** Use place-value concepts and properties of operations to add and subtract within 100

Essential Content/Objectives: At end of the unit, students will be able to:

- use models to subtract tens
- use a hundred chart to subtract a multiple of 10 from another multiple of 10
- use an open number line to solve subtraction problems
- use addition to subtract tens
- use mental math to subtract ten from a two-digit number
- use different strategies to subtract
- model thinking to solve problems

Core Activities: Students will complete/participate in the following:

- Lesson 11-1: cross off place-value cubes to model subtraction
- Lesson 11-2: jump down on a hundred chart to subtract multiples of tens
- Lesson 11-3: use an open number line to model subtracting tens
- Lesson 11-4: use an open number line to show how addition and subtraction are related
- Lesson 11-5: use mental math to subtract multiples of ten
- Lesson 11-6: use a variety of strategies to subtract multiples of ten
- Lesson 11-7: use drawings, models, and equations to solve subtraction word problems
- Fluency Practice Activity
- Vocabulary Review/Topic 11 Reteaching
- Math Games: Amazing Savings, Launch that Sheep
- Interactive Math Story: Tens at the Shoe Store

Extensions:

- EnVision STEM Project: Tools Solve Problems
- EnVision STEM Activity Print Outs
- Pick a Project: Studying Pennies, Turtle Crawl, Smoothie Shop
- 3-Act Math Task: So Many Colors
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 12: Measure Lengths

Time frame: 12 days

State Standards:

- **CC. 2.4.1.A.1** Order lengths and measure them both indirectly and by repeating length units.

Essential Content/Objectives: At end of the unit, students will be able to:

- Order objects by length
- Indirectly compare objects by length
- Use small same-size objects to measure length
- Choose an appropriate tool and use it to measure the length of a given object

Core Activities: Students will complete/participate in the following:

- Lesson 12-1: compare and order objects by length using words “shortest” and “longest”
- Lesson 12-2: use a non-standard measurement tool to compare and order lengths of objects
- Lesson 12-3: use paper clips and cubes to measure the length of an object
- Lesson 12-4: use problems solving to identify appropriate measurement tools and measure lengths of curved and straight objects
- Fluency Practice Activity
- Vocabulary Review/Topic 12 Reteaching
- Math Games: Fluency Games
- Interactive Math Story: *Help Us Measure*

Extensions:

- EnVision STEM Project: Now You See Me, Now You Don't!
- EnVision STEM Activity Print Outs
- Pick a Project: Beautiful Castles, Lots and Lots of Leaves, The King's Foot, Let's Go Camping!
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 13: Time and Money

Time frame: 10 days

State Standards:

- **CC.2.1.1.B.1** Extend the counting sequence to read and write numerals to represent objects
- **CC.2.4.1.A.2** Tell and write time to the nearest half hour using both analog and digital clocks

Essential Content/Objectives: At end of the unit, students will be able to:

- Tell the value of a penny, nickel, dime, and quarter
- Tell how much a group of coins is worth
- Tell time to the hour
- Tell time to the hour using analog and digital clocks
- Tell time to the half hour
- Use reasoning to tell and write time

Core Activities: Students will complete/participate in the following:

- Lesson 13-1: identify coins, their value, and their relationship to a dollar
- Lesson 13-2: skip-count a set of coins to find the value
- Lesson 13-3: understand and draw the parts of an analog clock
- Lesson 13-4: tell time to the hour on analog and digital clocks
- Lesson 13-5: tell time to the half hour on analog and digital clocks
- Lesson 13-6: read and answer questions about a schedule
- Fluency Practice Activity
- Vocabulary Review/Topic 13 Reteaching
- Math Games: Save the Word, Fluency Games
- Interactive Math Story: Parade Time

Extensions:

- EnVision STEM Project: The Sound of Vibration
- EnVision STEM Activity Print Outs
- Pick a Project: Reading Record, Coin Designs, Let's Go Shopping
- 3-Act Math Task: Drip Dry
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 14: Reason with Shapes and Their Attributes

Time frame: 12 days

State Standards:

- **CC. 2.3.1.A.1** Compose and distinguish between two- and three-dimensional shapes based on their attributes

Essential Content/Objectives: At end of the unit, students will be able to:

- Use attributes to describe shapes
- Define 2-D shapes by their attributes
- Use different materials to make shapes
- Put shapes together to make another shape
- Use shapes to make different shapes
- Define 3-D shapes by their number of edges, vertices, and faces or flat surfaces
- Choose the defining attributes of 3-D shapes
- Put 3-D shapes together to make another 3-D shape
- Find differences among various shapes

Core Activities: Students will complete/participate in the following:

- Lesson 14-1: identify the number of straight sides and vertices on a closed or unclosed 2-D shape
- Lesson 14-2: select attributes that are true and untrue for a given 2-D shape
- Lesson 14-3: draw and build 2-D shapes based on attribute descriptions
- Lesson 14-4: use pattern blocks to create a given 2-D shape multiple ways
- Lesson 14-5: use pattern blocks to create a given picture
- Lesson 14-6: identify the number of faces, vertices, and edges on 3-D shapes
- Lesson 14-7: select attributes that are true and untrue for a given 3-D shape
- Lesson 14-8: use pictures of 3-D shapes to determine ways to create a new figure
- Lesson 14-9: use problem solving skills to select attributes that are true and untrue for a variety of listed shapes
- Fluency Practice Activity
- Vocabulary Review/Topic 14 Reteaching
- Math Games: Save the Word, Fluency Games, Amazing Savings
- Interactive Math Story: *On My Way to School*

Extensions:

- EnVision STEM Project: Use Shapes to Build
- EnVision STEM Activity Print Outs
- Pick a Project: Tower Shapes, Real Reflections, Tile Art, Robot Helpers
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments

Curriculum Scope & Sequence

Planned Course: Mathematics Grade 1

Topic 15: Equal Shares of Circles and Rectangles

Time frame: 9 days

State Standards:

- **CC.2.3.1.A.2** Use the understanding of fractions to partition shapes into halves and quarters

Essential Content/Objectives: At end of the unit, students will be able to:

- Determine whether shapes are divided into equal shares
- Divide shapes into 2 and 4 equal shares and use words to describe those shares
- Understand that more equal shares of the same whole create smaller shares
- Make a drawing or diagram to show a problem about equal shares

Core Activities: Students will complete/participate in the following:

- Lesson 15-1: decide if shapes are divided equally and determine the number of fair shares
- Lesson 15-2: understand the meaning of halves, fourths, and quarters
- Lesson 15-3: divide shapes into halves, fourths, and quarters, and understand how size relates to the number of fair shares
- Lesson 15-4: draw pictures to represent word problems relating to fractions
- Fluency Practice Activity
- Vocabulary Review/Topic 15 Reteaching
- Math Games: Save the Word
- Interactive Math Story: Food Fractions

Extensions:

- EnVision STEM Project: Wheels and Shapes
- EnVision STEM Activity Print Outs
- Pick a Project: Four Square, Square Dancing, Spinning and Winning
- 3-Act Math Task: Pieced Out
- Today's Challenge Problems
- Enrichment Print Outs
- Teacher-created centers or stations

Remediation:

- Accommodate and modify materials as necessary
- Reteach in a small group setting
- Conduct Intervention Activity from the Teacher Edition
- Another Look Video
- Additional Practice Workbook
- Reteach to Build Understanding Print Outs
- Daily Review Print Out
- Problem-Solving Leveled Reading Mats
- Problem-Solving Reading Activity Print Outs

Instructional Methods:

- Explicit instruction with a gradual release model
- Discourse and reflective thinking
- Inquiry and project-based enrichment opportunities
- Hands-on active learning with manipulatives
- Independent practice with gameplay

Materials & Resources:

- Print/Digital Teacher's Edition
- Print/Interactive Student's Edition
- Additional Practice Workbook
- Vocabulary Cards
- Manipulatives
- Virtual Math Tools
- SavvasRealize.com

Assessments:

- Teacher observations, checklists, anecdotal records
- Student Edition guided/independent practice responses
- Daily Review Quiz
- Topic Assessment and Performance Task
- Cumulative/Benchmark Assessments
- Progress Monitoring Assessments