

*Bellevue Public Schools*  
*Math & Technology Integration Guide*



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*First Grade*

## Rationale

This guide was created as an aid for teachers. It is hoped by the Bellevue Public Schools' Technology Team that teachers will use this as a guide when working with their students in the building computer lab and in the classroom. The team understands that busy teachers find it difficult to find time to work with programs. This guide is only a beginning. Teachers may find more activities that integrate with given objectives. It is our hope that these activities will be forwarded to the team for inclusion in this guide. We will put the guide on the district Curriculum, Instruction, and Assessment website. Upgrades will be posted on the site and these can be printed.

## Information About Program Use

### Math Trek 123

Math Trek 123 is a primary program that can be used by students with or without teachers creating a class and adding student names. The program talks to students. To view directions for a given activity, students click on the mouse head. It shows them how to play the activity.

### Math Trek 456

Math Trek 456 can be used by students with or without teachers adding their names to the program management system. Typing student names into the management system is useful for two reasons. The first reason is so the teacher can obtain a record of student achievement using the program. The second reason is that it allows teachers to hold students accountable for the time spent on the computer. A guide for setting-up the record-keeping component can be found at the back of this guide. Students can select **Guest** to use the program if their names have not been added to the management system.

### Cornerstone Math and Language Arts

Cornerstone Level A (for 3<sup>rd</sup> and 4<sup>th</sup> grades) can **only** be used after creating a class and student names have been added to the student management system. The directions for setting up a class can be found at the back of this guide.

## Code Used for Programs

**MT** = Math Trek 456 (Student can enter as Guests or teacher can create a class and add students)

**MT 123** = Math Trek 123 (Students can enter as Guests or teacher can create a class and add students)

**CS(A)** = Cornerstone Level A (Class must be created and students entered)

**CS(B)** = Cornerstone Level B (Class must be created and students entered)

## First Grade Math Correlation Guide

| Chapter Lesson | TE Pg. # | Lesson Objective                       | Computer Program                              | Icon                   | Name/Description  | Essential Objective |
|----------------|----------|--|---|------------------------|---|---------------------|
| 1-1            | 1M-2     | Same, More, Fewer                      |   |                        |   |                     |
| 1-2            | 3A-4     | Understanding Numbers to 5             |   |                        |   |                     |
| 1-3            | 5A-6     | Patterns and Numbers                   |   |                        |   | 3                   |
| 1-4            | 7A-8     | Understanding Zero                     | MT123: Number Sense and Numeration (yellow)   | web (second shelf)     | <b>Spider Web:</b> zero in addition   |                     |
| 1-5            | 9A-10    | Problem-Solving Strategy: Make a Graph | MT123: Data Management and Probability (blue) | Ship (second shelf)    | <b>Fibonacci's Ark:</b> relate objects to number on a graph                             | 8, 10               |
|                |          |  |   | Spinner (second shelf) | <b>Flying Spinner:</b> graphing   |                     |
| 1-6            | 11A-12   | Understanding Numbers to 9             | MT123: Number Sense and Numeration (yellow)   | Frog (second shelf)    | <b>Leap Frog:</b> count back from 10  |                     |
| 1-7            | 13A-14   | Patterns and Numbers to 9              |   |                        |   |                     |
| 1-8            | 15A-16   | Understanding Numbers 10-12            |   |                        |   |                     |
| 1-9            | 17A-18   | Numbers to 12                          | MT123: Number Sense and Numeration (yellow)   | Bee (second shelf)     | <b>Bee Hive</b> demonstrate 1:1 correspondence when counting.                           |                     |
| 1-10           | 19A-20   | Ways to Show Numbers                   |   |                        |   |                     |
| 1-11           | 21A-22   | Comparing Numbers                      | MT123: Number Sense and Numeration (yellow)   | House (second shelf)   | <b>Mixed Up Houses</b> Compare, order, and represent whole numbers to 50 using drawings |                     |

|             |         |   |   |                            |   |    |
|-------------|---------|---|---|----------------------------|---|----|
| 1-12        | 23A-24  | Order to 12                                     | MT123: Number Sense and Numeration (yellow)   | Box (second shelf)         | <b>Making A Game Board</b> Read numerals 1-100, read numbers 1-100  |    |
| 1-13        | 25A-26B | Problem-Solving Application: Extending Patterns | MT123: Patterning and Algebra (orange)        | Dart (second shelf)        | <b>Patterns in 100 Chart</b> Identify counting patterns in hundred chart  | 10 |
| 1-14        | 27A-28  | Ordinal Numbers                                 | MT123: Number Sense and Numeration (yellow)   | Sheep (second shelf)       | <b>Rings</b> Estimate quantity, count by 1's, 2's, 5's, and 10's.   | 2  |
|             |         |   |   | Toy Soldier (second shelf) | <b>Soldier Count</b> Use ordinal numbers to tenths.   |    |
| 1-15        | 29A-30  | Bar Graphs                                      | MT123: Data Management and Probability (blue) | Spinner (second shelf)     | <b>Flying Spinners</b> perform simple experiments and graph results   | 8  |
| 1 Test Prep | 32-36   | Exploring Numbers and Patterns                  | MT123: Patterning and Algebra (orange)        | Calculator (second shelf)  | <b>Looking for Patterns</b> Use one attribute to create a pattern, compare patterns using objects and pictures. |    |

## Chapter 2 Addition

| Chapter Lesson | TE Pg. # | Lesson Objective                        | Computer Program   | Icon                      | Name/Description   | Essential Objective |
|----------------|----------|---|--|---------------------------|--|---------------------|
| 2-1            | 37M-38B  | Exploring Addition                      | MT123: Number Sense and Numeration (yellow)              | Ships (second shelf)      | <b>Ships Ahoy</b> Demonstrate that addition involves joining and subtraction involves taking one group from another.   | 2                   |
| 2-2            | 39A-40   | Using Counters to Add                   | MT123: Number Sense and Numeration (yellow)              | Bear (second shelf)       | <b>More Teddy Bear Match Up</b> Demonstrate that addition involves joining; demonstrate addition facts to 20 using drawings; mentally add one and two digit numbers. | 2                   |
| 2-3            | 41A-42   | Using Pictures to Add                   | MT123: Number Sense and Numeration (yellow)              | Balloon (second shelf)    | <b>Balloons For Sale</b> Add and subtract money amounts to 10 cents using pictures and symbols   | 2                   |
| 2-4            | 443A-44  | Using Symbols to Add                    | K-6 Web Activities<br>From the <a href="#">Math</a> page |                           | <b>Baseball Addition</b> practice adding   | 2                   |
| 2-5            | 45A-46   | Sums to 6                               | K-6 Web Activities<br>From the <a href="#">Math</a> page |                           | <b>Addition Flash Cards</b> practice adding  | 2                   |
| 2-6            | 47A-48   | Sums to 8                               | K-6 Web Activities<br>From the <a href="#">Math</a> page |                           | <b>Baseball Addition</b> practice adding   | 2                   |
| 2-7            | 49A-50   | Adding Across and Down                  | K-6 Web Activities<br>From the <a href="#">Math</a> page |                           | <b>Line Jumper</b> practice adding, subtracting using a number line  | 1, 2, 4             |
| 2-8            | 51A-52   | Ways to Add                             |  |                           |  |                     |
| 2-9            | 53A-54   | Problem-Solving Strategy:<br>Act It Out | K-6 Web Activities<br>From the <a href="#">Math</a> page |                           | <b>Baseball Addition</b> practice adding   | 2                   |
| 2-10           | 55A-56   | Adding Zero                             | MT123: Number Sense and Numeration (yellow)              | Spider Web (second shelf) | <b>Spider Web</b> Identify the effect of zero in addition and subtraction.   | 2                   |
| 2-11           | 57A-58   | Adding in Any Order                     |  |                           |  |                     |

|             |        |  |  |                           |  |       |
|-------------|--------|--|--|---------------------------|--|-------|
|             |        |  |  |                           |  |       |
| 2-12        | 59A-60 | Problem-Solving<br>Application: Use Data From<br>a Picture | K-6 Web Activities<br>From the <a href="#">Math</a> page |                           | <b>Baseball Addition</b> practice<br>adding        | 2, 10 |
| 2 Test Prep | 62-66  | Understanding Addition                                     | MT123: Number Sense<br>and Numeration (yellow)           | Chicken<br>(second shelf) | <b>Magic Numbers</b> Demonstrate<br>addition facts | 2     |

## Chapter 3 Understanding Subtraction

| Chapter Lesson | TE Pg. # | Lesson Objective                                  | Computer Program   | Icon                 | Name/Description   | Essential Objective |
|----------------|----------|---|--|----------------------|--|---------------------|
| 3-1            | 67M-68B  | Exploring Subtraction                             | MT123: Number Sense and Numeration (yellow)              | Ships (second shelf) | <b>Ships Ahoy</b> Demonstrate that addition involves joining and subtraction involves taking one group from another. | 2                   |
| 3-2            | 69A-70   | Using Counters to Subtract                        | K-6 Web Activities<br>From the <a href="#">Math</a> page |                      | <b>Baseball Subtraction</b><br>practice subtracting  | 2                   |
| 3-3            | 71A-72   | Using Pictures to Subtract                        | K-6 Web Activities<br>From the <a href="#">Math</a> page |                      | <b>Baseball Subtraction</b><br>practice subtracting  | 2                   |
| 3-4            | 73A-74   | Using Symbols to Subtract                         | K-6 Web Activities<br>From the <a href="#">Math</a> page |                      | <b>Baseball Subtraction</b><br>practice subtracting  | 2                   |
| 3-5            | 75A-76   | Subtracting from 5 and 6                          | K-6 Web Activities<br>From the <a href="#">Math</a> page |                      | <b>Baseball Subtraction</b><br>practice subtracting  | 2                   |
| 3-6            | 77A-78   | Subtracting from 7 and 8                          | K-6 Web Activities<br>From the <a href="#">Math</a> page |                      | <b>Baseball Subtraction</b><br>practice subtracting  | 2                   |
| 3-7            | 79A-80   | Problem-Solving Strategy: Write a Number Sentence | K-6 Web Activities<br>From the <a href="#">Math</a> page |                      | <b>Line Jumper</b> Adding and Subtracting with number lines  | 10                  |
| 3-8            | 81A-82   | Subtracting Across and Down                       |  |                      |  |                     |

| Chapter Lesson | TE Pg. # | Lesson Objective                                  | Computer Program   | Icon | Name/Description  | Essential Objective |
|----------------|----------|---|--|------|---|---------------------|
| 3-9            | 83A-84   | Ways to Subtract                                  | K-6 Web Activities<br>From the <a href="#">Math</a> page |      | <b>Line Jumper</b> Adding and Subtracting with number lines |                     |
| 3-10           | 85A-86   | Zero in Subtraction                               |  |      |   |                     |
| 3-11           | 87A-88   | Problem-Solving Application: Choose the Operation |  |      |   | 10                  |
| 3 Test Prep    | 90-96    | Understanding Subtraction                         | K-6 Web Activities<br>From the <a href="#">Math</a> page |      | <b>Baseball Subtraction</b> practice subtracting            | 10                  |

## Chapter 4 Introducing Basic-Fact Strategies

| Chapter Lesson | TE Pg. # | Lesson Objective                            | Computer Program   | Icon                       | Name/Description  | Essential Objective |
|----------------|----------|---|--|----------------------------|---|---------------------|
| 4-1            | 97M-98   | Counting On                                 | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Count to 100</b> practice counting to 100                                  | 2                   |
|                |          |   | MT123: Number Sense and Numeration (yellow)              | Sheep                      | <b>Rings</b> Count by 1s, 2s, 5s and 10s.                                     |                     |
| 4-2            | 99A-100  | Counting On 1 and 2                         | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Line Jumper</b> Adding and Subtracting with number lines                   | 2                   |
|                |          |   | MT123: Number Sense and Numeration (yellow)              | Sheep                      | <b>Rings</b> Count by 1s, 2s, 5s and 10s.                                     |                     |
|                |          |   | MT123: Number Sense and Numeration (yellow)              | Sheep                      | <b>Rings</b> Count by 1s, 2s, 5s and 10s.                                     |                     |
| 4-3            | 101A-102 | Counting On 1, 2 and 3                      | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Line Jumper</b> Adding and Subtracting with number lines                   | 2                   |
| 4-4            | 103A-104 | Counting On From The Greatest Number        | MT123: Number Sense and Numeration (yellow)              | Open Box<br>(second shelf) | <b>Making a Game Board</b> Read numbers from 1-100, order numerals form 1-100 | 2                   |
| 4-5            | 105A-106 | Adding Doubles                              |  |                            |   | 2                   |
| 4-6            | 107A-108 | Using Doubles to Add                        |  |                            |   | 2                   |
| 4-7            | 109A-110 | Problem-Solving Strategy:<br>Draw a Picture | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Name that Shape</b> working with geometric shapes on a grid.               |                     |

| Chapter Lesson | TE Pg. #  | Lesson Objective                                  | Computer Program                                      | Icon                   | Name/Description   | Essential Objective |
|----------------|-----------|---|---|------------------------|--|---------------------|
| 4-8            | 111A-112  | Counting Back                                     | MT123: Number Sense and Numeration (yellow)           | Ships (second shelf)   | <b>Ships Ahoy</b> Demonstrate that addition involves joining and subtraction involves taking one group from another. | 2                   |
|                |           |   | MT123: Number Sense and Numeration (yellow)           | Frog (second shelf)    | <b>Leap Frog</b> Count back from 10  |                     |
| 4-9            | 113A-114  | Counting Back 1 and 2                             | MT123: Number Sense and Numeration (yellow)           | Ships (second shelf)   | <b>Ships Ahoy</b> Demonstrate that addition involves joining and subtraction involves taking one group from another. | 2                   |
| 4-10           | 115A-116  | Counting Back 1, 2, and 3                         |   |                        |  |                     |
| 4-11           | 117A-118  | Using Doubles to Subtract                         |   |                        |  |                     |
| 4-12           | 119A-120B | Exploring Families                                | MT123: Number Sense and Numeration (yellow)           | Chicken (second shelf) | <b>Magic Numbers</b> Demonstrate addition and subtraction facts to 20.   |                     |
| 4-13           | 121A-122  | Problem-Solving Application: Choose the Operation |   |                        |  | 10                  |
| 4 Test Prep    | 124-128   | Introducing Basic-Fact Strategies                 | K-6 Web Activities From the <a href="#">Math</a> page |                        | <b>Baseball Addition and Subtraction</b> Practice with adding and subtracting.                                       | 10                  |

## Chapter 5 Geometry and Fractions

| Chapter Lesson | TE Pg. # | Lesson Objective                       | Computer Program   | Icon                       | Name/Description   | Essential Objective |
|----------------|----------|--|--|----------------------------|--|---------------------|
| 5-1            | 129M-130 | Space Shapes                           | MT123: Geometry (red)                                    | Car (second shelf)         | <b>3-D Match</b> Compare and sort 3-D shapes according to observable attributes. |                     |
| 5-2            | 131A-132 | Attributes of Space Shapes             | MT123: Geometry (red)                                    | Globe (second shelf)       | <b>Where Does It Go?</b> Explore and identify three-D figures using drawings.    |                     |
| 5-3            | 133A-134 | Relating Space and Plane Shapes        |  |                            |  |                     |
| 5-4            | 135A-136 | Attributes of Plane Shapes             | MT123: Patterning and Algebra (orange)                   | Football (second shelf)    | <b>Button Jars</b> Compare, sort, and classify 2-D objects.                      |                     |
| 5-5            | 137A-138 | Open and Closed Figures                |  |                            |  |                     |
| 5-6            | 139A-140 | Geometric Patterns                     | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Name that Shape</b> working with geometric shapes on a grid.                  |                     |
| 5-7            | 141A-142 | Matching Shapes                        | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Name that Shape</b> working with geometric shapes on a grid.                  |                     |
| 5-8            | 143A-144 | Combining Shapes                       | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Name that Shape</b> working with geometric shapes on a grid.                  |                     |
| 5-9            | 145A-146 | Problem-Solving: Use Logical Reasoning |  |                            |  |                     |
| 5-10           | 147A-148 | Symmetry                               | MT123: Geometry (red)                                    | Red Tractor (second shelf) | <b>Pictures from the Farm</b> Recognize symmetry in the environment.             |                     |
| Chapter Lesson | TE Pg. # | Lesson Objective                       | Computer Program   | Icon                       | Name/Description   | Essential Objective |
| 5-11           | 149A-150 | Exploring Equal Parts                  |  |                            |  |                     |

|             |           |   |                       |                           |   |  |
|-------------|-----------|---|-----------------------|---------------------------|---|--|
| 5-12        | 151A-152  | Exploring Halves                                      | MT123: Geometry (red) | Red Car<br>(second shelf) | <b>Pictures from the Farm</b><br>Recognize symmetry in the environment. |  |
| 5-13        | 153A-154  | Thirds and Fourths                                    |                       |                           |   |  |
| 5-14        | 155A-156B | Fractions of a Group                                  |                       |                           |   |  |
| 5-15        | 157A-158  | Problem-Solving<br>Application: Exploring Fair Shares |                       |                           |   |  |
| 5 Test Prep | 160-164   | Geometry and Fractions                                |                       |                           |   |  |

## Chapter 6 Patterns and Numbers to 100

| Chapter Lesson | TE Pg. #  | Lesson Objective   | Computer Program   | Icon                       | Name/Description   | Essential Objective |
|----------------|-----------|--|--|----------------------------|--|---------------------|
| 6-1            | 165M-166  | Patterns and Numbers to 19                               | MT123 Patterning and Algebra (orange shelf)              | Dart (second shelf)        | <b>Patterns in 100's Chart</b><br>Identifying counting patterns in hundreds charts.      | 2                   |
| 6-2            | 167A-168  | Exploring Tens   | MT123 Patterning and Algebra (orange shelf)              | Paratrooper (second shelf) | <b>More Patterns in 100's Chart</b><br>Identifying counting patterns in hundreds charts. | 3                   |
| 6-3            | 169A-170B | Exploring Tens and Ones                                  | MT123 Patterning and Algebra (orange shelf)              | Paratrooper (second shelf) | <b>More Patterns in 100's Chart</b><br>Identifying counting patterns in hundreds charts. |                     |
| 6-4            | 171A-172  | Representing Numbers to 50                               | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Count to 100</b> practice counting to 100   |                     |
| 6-5            | 173A-174  | Representing Numbers to 100                              | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Count to 100</b> practice counting to 100   |                     |
| 6-6            | 175A-176  | Ways to Show Numbers                                     |  |                            |  |                     |
| 6-7            | 177A-178  | Practice With Two-Digit Numbers                          |  |                            |  |                     |
| 6-8            | 179A-180  | Problem-Solving Strategy: Guess and Check                |  |                            |  |                     |
| 6-9            | 181A-182  | Comparing Numbers  |  |                            |  | 4                   |
| 6-10           | 183A-184  | Ordering Numbers   | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Count to 100</b> practice counting to 100   | 2                   |
| 6-11           | 185A-186  | Number Patterns to 99                                    | K-6 Web Activities<br>From the <a href="#">Math</a> page |                            | <b>Count to 100</b> practice counting to 100   | 2, 3                |
| Chapter Lesson | TE Pg. #  | Lesson Objective   | Computer Program   | Icon                       | Name/Description   | Essential Objective |
| 6-12           | 187A-188  | Skip Counting  |  |                            |  |                     |
| 6-13           | 189A-190  | Problem-Solving Application: Choosing Reasonable Answers |  |                            |  |                     |

|             |         |                             |  |  |   |  |
|-------------|---------|-----------------------------|--|--|---|--|
| 6 Test Prep | 192-196 | Patterns and Numbers to 100 | K-6 Web Activities<br>From the <a href="#">Math</a> page |  | <b>Count to 100</b> practice<br>counting to 100 |  |
|-------------|---------|-----------------------------|--|--|---|--|

## Chapter 7 Money

| Chapter Lesson | TE Pg. #  | Lesson Objective                              | Computer Program                                 | Icon                       | Name/Description   | Essential Objective |
|----------------|-----------|---|--|----------------------------|--|---------------------|
| 7-1            | 199M-200  | Exploring Money                               | MT123 Measurement (green shelf)                  | Nickel coin (second shelf) | <b>Magic Money Crane</b><br>Represent a given value of coins up to 10 cents.               | 5                   |
| 7-2            | 203A-204  | Pennies and Nickels                           | MT123 Measurement (green shelf)                  | Nickel coin (second shelf) | <b>Magic Money Crane</b><br>Represent a given value of coins up to 10 cents.               | 5                   |
| 7-3            | 203A-204  | Pennies and Dimes                             | MT123 Measurement (green shelf)                  | Nickel coin (second shelf) | <b>Magic Money Crane</b><br>Represent a given value of coins up to 10 cents.               | 5                   |
| 7-4            | 205A-206  | Pennies, Nickels and Dimes                    | MT123 Number Sense and Numeration (yellow shelf) | Balloon (second shelf)     | <b>Balloons for Sale</b> Add and subtract money amounts up to 10 cents.                    | 5                   |
| 7-5            | 207A-208B | Quarters                                      |  |                            |  | 5                   |
| 7-6            | 209A-210  | Counting On With Quarters                     |  |                            |  | 5                   |
| 7-7            | 211A-212  | Choosing Coins                                |  |                            |  | 5                   |
| 7-8            | 213A-214  | Problem-Solving Strategy: Make a Table        | MT123 Data Management & Probability (blue shelf) | Red Boat (second shelf)    | <b>Fibonacci's Ark</b> Relate objects to number on a graph with one to one correspondence. | 5, 8                |
| 7-9            | 215A-216  | Comparing Amounts                             |  |                            |  | 5                   |
| 7-10           | 217A-218  | Problem-Solving Application: Making Purchases |  |                            |  | 5                   |
| 7-11           | 219A-220  | Adding and Subtracting Money                  |  |                            |  |                     |
| 7 Test Prep    | 222-226   | Money   |  |                            |  |                     |

## Chapter 8 Relating Addition and Subtraction

| Chapter Lesson | TE Pg. #  | Lesson Objective                                  | Computer Program                                      | Icon                      | Name/Description   | Essential Objective |
|----------------|-----------|---|---|---------------------------|--|---------------------|
| 8-1            | 227M-228B | Relating Addition and Subtraction                 | MT123: Number Sense and Numeration (yellow)           | Ships (second shelf)      | <b>Ships Ahoy</b> Demonstrate that addition involves joining and subtraction involves taking one group from another. |                     |
|                |           |   | MT123: Number Sense and Numeration (yellow)           | Spider Web (second shelf) | <b>Spider Web</b> Demonstrate that addition involves joining and subtraction taking one group away from another.     |                     |
| 8-2            | 229A-230  | Using Addition to Subtract                        |   |                           |  |                     |
| 8-3            | 231A-232  | Fact Families to 10                               | K-6 Web Activities From the <a href="#">Math</a> page |                           | <b>Baseball Addition /Subtraction</b> practice adding/ subtraction   |                     |
| 8-4            | 233A-234  | Fact Families to 11                               | K-6 Web Activities From the <a href="#">Math</a> page |                           | <b>Baseball Addition /Subtraction</b> practice adding/ subtraction   |                     |
| 8-5            | 235A-236  | Fact Families to 12                               | K-6 Web Activities From the <a href="#">Math</a> page |                           | <b>Baseball Addition /Subtraction</b> practice adding/ subtraction   |                     |
| 8-6            | 237A-238  | Problem Solving Strategy: Make A Graph            | MT123 Data Management & Probability (blue shelf)      | Red Boat (second shelf)   | <b>Fibonacci's Ark</b> Relate objects to number on a graph with one to one correspondence.                           | 8                   |
| 8-7            | 239A-240  | Addition and Subtraction Patterns                 |   |                           |  |                     |
| 8-8            | 241A-242  | Names for Numbers                                 |   |                           |  |                     |
| 8-9            | 243A-244  | Problem-Solving Application: Choose the Operation |   |                           |  | 10                  |
| Chapter Lesson | TE Pg. #  | Lesson Objective                                  | Computer Program                                      | Icon                      | Name/Description   | Essential Objective |
| 8 Test Prep    | 246-250   | Relating Addition and Subtraction                 | K-6 Web Activities From the <a href="#">Math</a> page |                           | <b>Line Jumper</b> Adding and Subtracting with number lines  |                     |

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## Chapter 9 Time and Probability

| Chapter Lesson | TE Pg. #  | Lesson Objective                                | Computer Program                | Icon                      | Name/Description   | Essential Objective |
|----------------|-----------|---|---------------------------------|---------------------------|--|---------------------|
| 9-1            | 251M-252  | Ordering Events                                 |                                 |                           |  |                     |
| 9-2            | 253A-254  | Minutes   |                                 |                           |  | 6                   |
| 9-3            | 255A-256  | Minutes and Hours                               |                                 |                           |  | 6                   |
| 9-4            | 257A-258  | Hour and Minute Hands                           |                                 |                           |  | 6                   |
| 9-5            | 259A-260  | Time to the Hour                                | MT123 Measurement (Green shelf) | Gray Clock (second shelf) | <b>Tick Tock Clock</b> Read analog clocks and tell time to the hour and the half hour. | 6                   |
| 9-6            | 261A-262  | Time to the Half Hour                           | MT123 Measurement (Green shelf) | Gray Clock (second shelf) | <b>Tick Tock Clock</b> Read analog clocks and tell time to the hour and the half hour. | 6                   |
| 9-7            | 263A-264  | Problem-Solving Strategy: Act It Out            |                                 |                           |  |                     |
| 9-8            | 265A-266  | Using a Calendar                                |                                 |                           |  |                     |
| 9-9            | 267A-268  | Problem-Solving Application: Reading A Schedule |                                 |                           |  | 8                   |
| 9-10           | 269A-270B | Exploring Probability                           |                                 |                           |  |                     |
| 9-11           | 271A-272  | Tallying Results                                |                                 |                           |  |                     |
| 9 Test Prep    | 274-278   | Time and Probability                            |                                 |                           |  |                     |

## Chapter 10 Measurement

| Chapter Lesson | TE Pg. # | Lesson Objective                          | Computer Program                | Icon            | Name/Description  | Essential Objective |
|----------------|----------|---|---------------------------------|-----------------|---|---------------------|
| 10-1           | 281M-282 | Understanding Length and Height           | MT123 Measurement (Green shelf) | Gumball Machine | <b>Gumball Drop</b> Estimate, measure and record the capacity of containers using nonstandard units, and compare the measures.  | 9                   |
|                |          |   |                                 | Lizard          | <b>More Leaping Lizards</b> Estimate, measure and record the linear dimensions of objects using non-standard units, and compare and order objects by their linear dimensions. |                     |
| 10-2           | 283A-284 | Problem-Solving Strategy: Guess and Check |                                 |                 |   |                     |
| 10-3           | 285A-286 | Inches                                    |                                 |                 |   |                     |
| 10-4           | 287A-288 | Centimeters                               |                                 |                 |   |                     |
| 10-5           | 289A-290 | Exploring Weight                          |                                 |                 |   |                     |
| 10-6           | 291A-292 | Pounds                                    |                                 |                 |   |                     |
| 10-7           | 293A-294 | Kilograms                                 |                                 |                 |   |                     |
| 10-8           | 295A-296 | Exploring Capacity                        | MT123 Measurement (Green shelf) | Gumball Machine | <b>Gumball Drop</b> Estimate, measure and record the capacity of containers using nonstandard units, and compare the measures.  |                     |
| Chapter        | TE       | Lesson                                    | Computer                        | Icon            | Name/Description  | Essential           |

| <b>Lesson</b>       | <b>Pg. #</b>    | <b>Objective</b>  | <b>Program</b>                     |                    |  | <b>Objective</b> |
|---------------------|-----------------|---|------------------------------------|--------------------|--|------------------|
| <b>10-9</b>         | <b>297A-298</b> | <b>Cups, Pints, and Quarts</b>  | MT123 Measurement<br>(Green shelf) | Gumball<br>Machine | <b>Gumball Drop</b> Estimate,<br>measure and record the<br>capacity of containers using<br>nonstandard units, and<br>compare the measures. |                  |
| <b>10-10</b>        | <b>299A-300</b> | <b>Liters</b>   |                                    |                    |  |                  |
| <b>10-11</b>        | <b>301A-303</b> | <b>Problem-Solving<br/>Application: Choosing<br/>Reasonable<br/>Answers</b> |                                    |                    |  |                  |
| <b>10 Test Prep</b> | <b>304-308</b>  | <b>Measurement</b>  |                                    |                    |  |                  |

## Chapter 11 Addition and Subtraction to 18

| Chapter Lesson | TE Pg. #  | Lesson Objective                                  | Computer Program   | Icon        | Name/Description                           | Essential Objective |
|----------------|-----------|---|--|-------------|--|---------------------|
| 11-1           | 309M-310  | Doubles to 18                                     |  |             |  |                     |
| 11-2           | 311A-312  | Using Doubles to Add                              |  |             |  | 10                  |
| 11-3           | 313A-314B | Patterns With 10                                  | K-6 Web Activities, 1 <sup>st</sup> Grade, 123 Math on the Web, Count to 100 |             | Count to 100                               | 10                  |
| 11-4           | 315A-316  | Making 10 to Add 9                                |  |             |  |                     |
| 11-5           | 317A-318  | Making 10 to Add 7, 8, and 9                      |  |             |  |                     |
| 11-6           | 319A-320  | Adding Three Numbers                              |  |             |  |                     |
| 11-7           | 321A-322  | Using Addition Strategies                         | K-6 Web Activities, 1 <sup>st</sup> Grade: Baseball Addition                 |             | Baseball Addition                          | 10                  |
| 11-8           | 323A-324  | Relating Addition and Subtraction                 | K-6 Web Activities, 1 <sup>st</sup> Grade: Line Jumper                       |             | Line Jumper                                | 10                  |
| 11-9           | 325A-326  | Problem-Solving Strategy: Write a Number Sentence |  |             |  |                     |
| 11-10          | 327A-328  | Fact Families                                     | K-6 Web Activities, 1 <sup>st</sup> Grade: Baseball Addition, Subtraction    |             | Baseball Addition and Baseball Subtraction | 10                  |
| <b>Chapter</b> | <b>TE</b> | <b>Lesson</b>                                     | <b>Computer</b>  | <b>Icon</b> | <b>Name/Description</b>                    | <b>Essential</b>    |

| <b>Lesson</b>       | <b>Pg. #</b>    | <b>Objective</b>   | <b>Program</b>  |  |                        | <b>Objective</b> |
|---------------------|-----------------|--|---|--|------------------------|------------------|
| <b>11-11</b>        | <b>329A-330</b> | <b>Using 10 to Subtract</b>                                      | K-6 Web Activities, 1 <sup>st</sup><br>Grade: Subtraction<br>Fact Cards |  | Subtraction Fact Cards | 10               |
| <b>11-12</b>        | <b>331A-332</b> | <b>Using Subtraction<br/>Strategies</b>                          | K-6 Web Activities, 1 <sup>st</sup><br>Grade: Line Jumper               |  | Line Jumper            |                  |
| <b>11-13</b>        | <b>333A-334</b> | <b>Problem-Solving<br/>Application: Too Much<br/>Information</b> |   |  |                        |                  |
| <b>11 Test Prep</b> | <b>336-340</b>  | <b>Addition and Subtraction<br/>to 18</b>                        |   |  |                        |                  |

## Chapter 12 Exploring Two-Digit Addition and Subtraction

| Chapter Lesson | TE Pg. #  | Lesson Objective                         | Computer Program | Icon | Name/Description | Essential Objective |
|----------------|-----------|--|------------------|------|------------------|---------------------|
| 12-1           | 341M-342  | Adding Tens                              |                  |      |                  |                     |
| 12-2           | 343A-344  | Counting On                              |                  |      |                  |                     |
| 12-3           | 345A-346  | Counting On Tens or Ones                 |                  |      |                  |                     |
| 12-4           | 347A-348B | Adding Two-Digit Numbers                 |                  |      |                  | 10                  |
| 12-5           | 349A-350  | Problem-Solving Strategy: Find a Pattern |                  |      |                  | 10                  |
| 12-6           | 351A-352  | Ways to Add                              |                  |      |                  |                     |
| 12-7           | 353A-354  | Subtracting Tens                         |                  |      |                  |                     |
| 12-8           | 355A-356  | Counting Back                            |                  |      |                  |                     |
| 12-9           | 357A-358  | Counting Back Tens or Ones               |                  |      |                  |                     |
| 12-10          | 359A-360  | Subtracting Two-Digit Numbers            |                  |      |                  | 10                  |
| 12-11          | 361A-362  | Ways to Subtract                         |                  |      |                  |                     |

|                     |                 |   |  |  |  |    |
|---------------------|-----------------|---|--|--|--|----|
|                     |                 |   |  |  |  |    |
| <b>12-12</b>        | <b>363A-364</b> | <b>Problem-Solving<br/>Application: Using Money</b>     |  |  |  | 10 |
| <b>12 Test Prep</b> | <b>366-370</b>  | <b>Exploring Two-Digit<br/>Addition and Subtraction</b> |  |  |  | 10 |

Practice for addition and subtraction in general may be found on the Math Activities on the Web for First Grade (<http://www1.bellevuepublicschools.org/curriculum/k6web/1st2ndgrademathwebpage.htm>)