



EVERYDAY MATHEMATICS

KINDERGARTEN GRADE-LEVEL GOALS

| Content Strand: Number and Numeration | | |
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| Grade-Level Goals | Content Thread | Program Goal |
| Goal 1 Count on by 1s to 100; count on by 2s, 5s, and 10s and count back by 1s with number grids, number lines, and calculators. | <i>Rote counting</i> | Understand the Meanings, Uses, and Representations of Numbers |
| Goal 2 Count 20 or more objects; estimate the number of objects in a collection. | <i>Rational counting</i> | |
| Goal 3 Model numbers with manipulatives; use manipulatives to exchange 1s for 10s and 10s for 100s; recognize that digits can be used and combined to read and write numbers; read numbers up to 30. | <i>Place value and notation</i> | |
| Goal 4 Use manipulatives to model half of a region or a collection; describe the model. | <i>Meanings and uses of fractions</i> | |
| Goal 5 Use manipulatives, drawings, and numerical expressions involving addition and subtraction of 1-digit numbers to give equivalent names for whole numbers up to 20. | <i>Equivalent names for whole numbers</i> | Understand Equivalent Names for Numbers |
| Goal 6 Compare and order whole numbers up to 20. | <i>Comparing and ordering numbers</i> | Understand Common Numerical Relations |



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| Content Strand: Operations and Computation | | |
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| Grade-Level Goals | Content Thread | Program Goal |
| Goal 1 Use manipulatives, number lines, and mental arithmetic to solve problems involving the addition and subtraction of single-digit whole numbers. | <i>Addition and subtraction procedures</i> | Computes Accurately |
| Goal 2 Identify join and take-away situations. | <i>Models for the operations</i> | Understand Meanings of Operations |

| Content Strand: Data and Chance | | |
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| Grade-Level Goals | Content Thread | Program Goal |
| Goal 1 Collect and organize data to create class-constructed tally charts, tables, and bar graphs. | <i>Data collection and representation</i> | Select and Create Appropriate Graphical Representations of Collected or Given Data |
| Goal 2 Use graphs to answer simple questions. | <i>Data analysis</i> | Analyze and Interpret Data |
| Goal 3 Describe events using <i>certain, possible, impossible</i> , and other basic probability terms. | <i>Qualitative probability</i> | Understand and Apply Basic Concepts of Probability |



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| Content Strand: Measurement and Reference Frames | | |
|--|-----------------------------------|--|
| Grade-Level Goals | Content Thread | Program Goal |
| Goal 1 Use nonstandard tools and techniques to estimate and compare weight and length; identify standard measuring tools. | <i>Length, weight, and angles</i> | Understand the Systems and Processes of Measurement; Use Appropriate Techniques, Tools, Units, and Formulas in Making Measurements |
| Goal 2 Identify pennies, nickels, dimes, quarters, and dollar bills. | <i>Money</i> | |
| Goal 3 Describe temperature using appropriate vocabulary, such as <i>hot</i> , <i>warm</i> , and <i>cold</i> ; identify a thermometer as a tool for measuring temperature. | <i>Temperature</i> | Use and Understand Reference Frames |
| Goal 4 Describe and use measures of time periods relative to a day and week; identify tools that measure time. | <i>Time</i> | |



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| Content Strand: Geometry | | |
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| Grade-Level Goals | Content Thread | Program Goal |
| Goal 1 Identify and describe plane and solid figures including circles, triangles, squares, rectangles, spheres, and cubes. | <i>Plane and solid figures</i> | Investigate Characteristics and Properties of Two- and Three-Dimensional Geometric Shapes |
| Goal 2 Identify shapes having line symmetry. | <i>Transformations and symmetry</i> | Apply Transformations and Symmetry in Geometric Situations |

| Content Strand: Patterns, Functions, and Algebra | | |
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| Grade-Level Goals | Content Thread | Program Goal |
| Goal 1 Extend, describe, and create visual, rhythmic, and movement patterns; use rules, which will lead to functions, to sort, make patterns, and play “What’s My Rule?” and other games. | <i>Patterns and functions</i> | Understand Patterns and Functions |
| Goal 2 Read and write expressions and number sentences using the symbols +, -, and =. | <i>Algebraic notation and solving number sentences</i> | Use Algebraic Notation to Represent and Analyze Situations and Structures |