

**MATH**

Please note: Estimation and problem solving strategies should be included in number sense/computation, measurement and algebra standards.

**NUMBER SENSE/COMPUTATION****Read, Write and Represent Numbers**

\_\_\_\_\_ Read, write, recognize, and model equivalent representations *MA3-01*  
- whole numbers up to 100,000

\_\_\_\_\_ Recognize fractions from pictorial models *MA3-02*

**Order and Compare Numbers**

\_\_\_\_\_ Whole numbers up to 10,000 *MA3-03*

\_\_\_\_\_ Decimals expressed as monetary units *MA3-04*

**Number Operations**

\_\_\_\_\_ Master basic facts and solve problems, word problems, and number sentences *MA3-05*

- addition with regrouping

- subtraction with regrouping

- money up to \$10.00

\_\_\_\_\_ Apply knowledge of basic multiplication facts ( up to  $10 \times 10$ ) and apply them to related multiples *MA3-06*

**MEASUREMENT****Use Measurement Tools and Units**

\_\_\_\_\_ Length (inch, cm) *MA3-07*

\_\_\_\_\_ Time (elapsed and nearest min.) *MA3-08*

\_\_\_\_\_ Temperature (nearest degree) *MA3-09*

**Area, Perimeter, and Volume**

\_\_\_\_\_ Solve problems involving perimeter (standard and non-standard units) of a polygon: also area and volume when units are shown *MA3-10*

**Measurement Conversions**

\_\_\_\_\_ Perform conversions within the same measurement system *MA3-11*

- time

- length

**ALGEBRA****Patterns**

\_\_\_\_\_ Recognize, describe, and extend geometric and numeric patterns *MA3-12*

**Write Equations and Inequalities**

\_\_\_\_\_ Create simple number sentences and solve simple equations *MA3-13*

- equalities

- inequalities

- expressions using a variable

**GEOMETRY****Properties of Single Figures**

\_\_\_\_\_ Identify and describe 2-D and 3-D shapes according to their characteristics *MA3-14*

- number of sides, length of sides, vertices, faces, edges

\_\_\_\_\_ Sketch 2-D shapes *MA3-15*

**Coordinate Geometry**

\_\_\_\_\_ Locate and identify points using numbers and symbols on a grid *MA3-16*

**Symmetry**

\_\_\_\_\_ Identify congruent and similar shapes and lines of symmetry *MA3-17*

**DATA ANALYSIS AND PROBABILITY****Read and Interpret Displays**

\_\_\_\_\_ Read, interpret and represent data in *MA3-18*

- pictograph

- bar graph

- tally chart

- table

- Venn diagrams (2 circles)

**Probability**

\_\_\_\_\_ Classify or describe probability using words such as certain, most likely, equally likely, possible, impossible, and 2 out of 3 chance *MA3-19*

**SCIENCE****INQUIRY****Process Skills**

\_\_\_\_\_ Construct simple charts, graphs and visualizations of data. *Sc3-01*

**Technological Design**

\_\_\_\_\_ Build a prototype of the design using available tools and materials. *Sc3-02*

**CONTENT****Life Science****How Plants Live and Grow**

\_\_\_\_\_ Describe the function of seeds, flowers and cones. *Sc3-03*

**How Animals Grow and Change**

\_\_\_\_\_ Identify basic divisions of animals and their common characteristics. *Sc3-04*

**Living Things and Their Environments**

\_\_\_\_\_ Identify basic classifications of animals based on how they interact with their environment (e.g. diurnal, nocturnal, warm blooded, herbivores, carnivores and omnivores) *Sc3-05*

**Changing Environments**

\_\_\_\_\_ Identify ways that food and other products come from plants and animals. *Sc3-06*

**Physical Science****Matter and How it Changes**

\_\_\_\_\_ Identify physical and chemical changes in matter. *Sc3-07*

**Energy in Your World**

\_\_\_\_\_ Describe how electricity flows in a circuit. *Sc3-08*

**Sound**

\_\_\_\_\_ Describe how sound is made and how to change pitch and volume. *Sc3-09*

**Force, Machines, and Work**

\_\_\_\_\_ Describe the effect of forces on an object (e.g. friction, gravity, magnetism). *Sc3-10*

**Earth/Space Science****Changes in the Earth's Surface**

\_\_\_\_\_ Describe how volcanoes and earthquakes change the Earth. *Sc3-10*

**Materials of the Earth**

\_\_\_\_\_ Describe materials (minerals, rocks and fossils) that come from the Earth. *Sc3-11*

**The Sun, Planets and Moon**

\_\_\_\_\_ Describe the planets and positions of objects in the solar system. *Sc3-12*

**Clouds and Storms**

\_\_\_\_\_ Identify what happens to water in clouds, types of precipitation and stages in the water cycle. *Sc3-13*

**Human Body****The Body's Systems**

\_\_\_\_\_ Identify basic body systems and their functions (e.g. skeletal, circulatory and nervous systems). *Sc3-14*

**Staying Healthy**

\_\_\_\_\_ Identify what germs are and how they are harmful. *Sc3-15*

**CONNECTIONS****Science Practices**

\_\_\_\_\_ Describe why investigation results may vary. *Sc3-16*

**S/T/S (Science, Technology and Society)**

\_\_\_\_\_ Identify science and technology related careers. *Sc3-17*

At the end of the school year, students will be able to...