Elementary Mathematics
Grade 3rd

5th 6 Weeks - Volume, Capacity, Weight , and Mass; Time and Temperature; Data, Graphs, and Probability

TEKS	Essential Understanding	Vocabulary	Resources	Manipulatives
3.11 The student directly compares the attributes of length, area, weight/mass, and capacity, and uses comparative language to solve problems and answer questions. The student selects and uses standard units to describe length, area, capacity/volume, and weight/mass. The student is expected to: (D) identify concrete models that approximate standard units of weight/mass and use them to measure weight/mass; (E) identify concrete models that approximate standard units for capacity and use them to measure capacity; and (F) use concrete models that approximate cubic units to determine the volume of a given container or other three-dimensional geometric figure. **3.12 The student reads and writes time and measures temperature in degrees Fahrenheit to solve problems. The student is expected to:** (A) use a thermometer to measure temperature; and (B) tell and write time shown on analog and digital clocks. **3.13 The student solves problems by collecting, organizing, displaying, and interpreting sets of data. The student is expected to:** (A) collect, organize, record, and display data in pictographs and bar graphs where each picture or cell might represent more than one piece of data; (B) interpret information from pictographs and bar graphs; and (C) use data to describe events as more likely than, less likely than, or equally likely as.	Volume is a measure of the amount of space inside a solid figure. Capacity is a measure of the amount of liquid a container can hold. The weight of an object is a measure of how heavy an object is. Mass is a measure of the quantity of matter in an object. Temperature can be expressed using degrees Fahrenheit or degrees Celsius. Tally charts are useful in recording and organizing some kinds of data.	volume cubic unit capacity cup pint quart gallon weight ounce pound ton milliliter (ml) liter (L) mass gram (g) kilometer(kg) minute seconds A.M. P.M. thermometer degrees Fahrenheit (F^{o}) degrees Celsius (^{o}C) data survey pictograph key bar graph scale likely unlikely certain impossible outcome equally likely more likely less likely	**Joint Usage** **enVision Math** Unit 18: Volume, Capacity, Weight , and Mass **Investigations** Unit 9: Solids and Boxes --- **enVision Math** Unit 19: Time and Temperature **Investigations** Unit 1: Trading Stickers, Combining Coins Unit 3: Collections and Travel Stories Unit 5: Equal Groups Unit 6: Stories, Tables, and Graphs --- **enVision Math** Unit 20: Data, Graphs, and Probability **Investigations** Unit 2: Surveys and Line Plots	unit cubes pan balance blank clock faces tally charts centimeter grid paper

On-Going Practices/TEKS 3.14 A/B/C/D, 3.15A/B, 3.16A/B
3rd graders must be able to solve problems of everyday situations; explain and record observations; make generalizations and justify answers.