Unit 12 – Metric Measurement and 3-D Shapes
In this unit, children continue to develop their measurement skills and learn to convert between metric units of length. Activities with 3-dimentsional figures include identifying faces, edges, and vertices of rectangular prisms, and sorting shapes according to attributes. Children continue to develop their spatial sense as they sketch faces of solid figures, build rectangular prisms from nets, draw rectangular prisms from different viewpoints and find volume by counting cubic units.
 The base 10 system is utilized in our system of counting, money, and metric measurement. Two- and three- dimensional objects with or without curved surfaces can
be described, classified, and analyzed by their attributes.
How are meters, decimeters, and centimeters related?
• How is a 3-D shape different from a 2-D shape?
• Can 2-D shapes be found in 3-D shapes?
 How can you tell the difference between different 3-D shapes?
Name some examples real-life 3-D objects.
Make a meter stick.
• Compare metric and monetary systems.
• Measure the length and height of objects and people.
• Enter data in a table.
 Create and answer questions about data. Define motor, continuotor and desimptor.
• Use abbreviations cm. dm. and m.
 Ose appreviations cm, um, and m. Review relationships among centimeters decimeters and meters
• Measure with metric units
 Convert measures in centimeters to a combination of meters.
• Solve story problems requiring metric conversion.
• Understand the base ten system in metric measurement and numbers.
• Recognize the base ten system in metric and monetary systems.
• Solve story problems involving metric and monetary systems.
 Distinguish between 2- and 3-dimensional shapes.
 Measure the length, width, and height of a rectangular prism.
 Identify faces, edges, and vertices of a rectangular prism.
 Count cubic units to find volume.
Identify and name 3-dimensional shapes.
• Determine if a solid stacks, rolls, and/or slides.
• Lompare 3-dimensional shapes.
Sort 3-dimensional snapes using a Venn diagram.
• 2.MD.A.3: Estimate lengths using units of inches, feet, centimeters, and
• 2.MD.A.4: Measure to determine how much longer one object is that

	 another, expressing the length difference in terms of standard length unit. 2.G.A.1: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify
	triangles, quadrilaterals, pentagons, hexagons, and cubes Mathematical Practices
Materials and	Grade 2 Math Expressions, Math Journals, manipulatives, IXL Mathematics
Resources:	