

MARLBORO CENTRAL SCHOOL DISTRICT-CURRICULUM MAP

Subject: Science Measurement

Grade: 3

Title or Topics (Unit organizing idea)	Science Concepts (understandings)	Skills (What students actually do)	Content (nouns and noun phrases)	Science Skills	Literacy Connections	Major Assessments (Tests, projects, etc.)	Time Frame (Number of weeks)
<u>Measurement</u>	What is the necessity for standard units of measurement	Measure lengths, distances; acquire vocabulary; exercise language and math skills; apply appropriate measuring skills in every day situations;	Meters, centimeters (PS3.1c,d),	Observe, quantify, compare, organize information, communicate; develop an understanding and intuitive feel for the metric system; use scientific thinking processes to conduct investigations and build explanations; develop and refine the manipulative skills required for making and using measuring tools;	Metric Prefixes <i>A Royal Measurement;</i> <i>The Metric System;</i> <i>Measure This</i>	Assessment Chart 1	1-2 Weeks
	What is the necessity for standard units of measurement?	Measure mass in grams; acquire vocabulary; exercise language and math skills; apply appropriate measuring skills in every day situations;	Balance, mass pieces (PS3.1c,d)	Observe, quantify, compare, organize information; communicate; develop an understanding and intuitive feel for the metric system; use scientific thinking processes to conduct investigations and build explanations; develop and refine the	Write procedures <i>The Metric System in US;</i> <i>Mind-Boggling Measurement;</i> <i>Ancient Measurement</i>	Assessment Chart 2	1-2 Weeks

				manipulative skills required for making and using measuring tools;			
	What is the necessity for standard units of measurement?	Measure liquid, volume, capacity; acquire vocabulary; exercise language and math skills; apply appropriate measuring skills in every day situations;	Liter, milliliters (PS3.1c,d)	Observe, quantify, compare, organize information; communicate; develop an understanding and intuitive feel for the metric system; use scientific thinking processes to conduct investigations and build explanation; develop and refine the manipulative skills required for making and using measuring tools;	Write letters for company product volume <i>Water Everywhere; Measurement in the Marketplace</i>	Assessment Chart 3	1-2 weeks
	What is the use of measurement in our life?	Measurement temperature of liquids and air; acquire vocabulary; exercise language and math skills; apply appropriate measuring skills in everyday situations;	Thermometers (PS3.1c,d,g)	Sensory comparison of temperature. Observe, quantify, compare, organize information; communicate; develop an understanding and intuitive feel for the metric system; use scientific thinking processes to conduct investigations and build explanations; develop and refine the manipulative skills required for making and using measuring tools;	Write climate stories <i>Fahrenheit and Celsius; Thermometers; Careers to Count On; Vacation Aggravation</i>	End of Module Assessment; Assessment Chart 4	1-2 weeks