

## What is it we expect students to learn? Identifying Essential Standards

**Grade Level:** 4th

**Subject:** Science

**Team Members:** Suchan, Hornickel, New, Wallace

1. Standard/Description	2. Evidence of Proficiency	3. Prior Skills Needed	4. Common Summative Assessment	5. When Taught?	6. Enrichment Standards
ME: 1Ad. Group different materials and mixtures by their physical properties.	Lab performance task. 80 % or higher. Written assessment. 80% or higher.	colors and shapes. States - solid, liquid and gas.	Geology Test Matter Test	1st/2nd Qtr. 3rd/4th Qtr.	
FM:2Aa:identify inertia and gravity as forces.	Lab performance task. 80 % or higher. Written assessment. 80% or higher.	pushes and pulls, addressed in 2nd grade simple machines	Force and Motion Test	3rd/4th Qtr.	
FM:2Ac: Recognize friction as a force thqat slows down or stops a moving object that is touching another object or surface.	Lab performance task. 80 % or higher. Written assessment. 80% or higher.	pushes and pulls, addressed in 2nd grade simple machines	Force and Motion Test	3rd/4th Qtr.	
FM:2Ac: Use a spring scale to measure force.	Lab performance task. 80 % or higher. Written assessment. 80% or higher.	some knowledge of reading intervals on rulers, etc.	Force and Motion Test	3rd/4th Qtr.	
EC:1Bcd. Describe how weathering and erosion change the earth's surface.	Lab performance task. 80 % or higher. Written assessment. 80% or higher. Conservation Kids Day		Geology Test	1st/2nd Qtr.	
SI:1Bb. Collect data using hand lenses, magnets, thermometers, metric rulers, balances, graduated cylinders and spring scales.	Lab performance task. 80 % or higher. Written assessment. 80% or higher. Lab data tables	each grade level will use various tools, 4th grade will build on knowledge of reading a thermometer, ruler, and will teach graduated cylinders and triple beam balance scales	Matter Test	3rd/4th Qtr.	

SI:1Bcd. Record and compare data including length to the nearest centimeter, mass in grams, temperature in degrees Celsius, volume to the nearest milliliter, and force to the nearest Newton.	Lab performance task. 80 % or higher. Written assessment. 80% or higher. Lab data tables	each grade level will use various tools, 4th grade will build on knowledge of reading a thermometer, ruler, and will teach graduated cylinders and triple beam balance scales	Matter Test	3rd/4th Qtr.	
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1. Standard: What is the essential standard to be learned? Describe in student-friendly vocabulary.
2. Example/Rigor: What does proficient student work look like? Provide an example and/or description.
3. Prior Skills Needed: What prior knowledge, skills, and/or vocabulary is needed for a student to master this standard?
4. Common Assessment: What assessment(s) will be used to measure student mastery?
6. When will this standard be taught?
6. Enrichment: What supplementary standards/skills enrich the essential standard?

Mattos, Buffum, Weber, 2010