



Trinity Lutheran School Second Grade Science Essential Standards Chart

Essential Standards Chart: At Trinity Lutheran, we expect children to learn?

Grade: 2nd Grade		Subject: Science				
Standard Description	Common Core Standards	Proficiency	Prerequisite Skill	Assessment	When Taught?	Extension Standards
What is the essential standard to be learned? Written in I Can Statements		What does proficient look like? Provide an example and/or description.	What prior knowledge, skills, and/or vocabulary is/are needed for a student to master this standard?	What assessments will be used to measure student mastery?	When will this standard be taught?	What will we do when students have learned the essential standard(s)?
I can measure the length of an object by selecting and using the appropriate tools such as ruler, meter stick, yardstick or measuring tape.	2.MD.1 2.MD.3 2-PS1-1	Students can measure things using the correct tools.	Understanding of inch, feet, yards. Understanding of a different measuring tools and which is larger and or smaller	Measuring assessment	CKSci-Unit 1: Properties of Matter. Mystery Science	I can begin to use tools to solve problems.
I can recognize properties of matter such as temperature.	2-PS1-4	Students can measure the temperature of a substance and tell if it is heating or cooling and how it can be reversed.	Understanding of vocabulary word heating and cooling.	Measuring assessment	CKSci-Unit 1: Properties of Matter. Mystery Science	I can recognize more properties of matter such as: density, color, mass, volume, length, etc.
I can create and	2-LS2-1	Students can create	Understanding of	Project Rubric	CKSci Unit 2-	I can create an

interdependent relationship in ecosystems	2-LS2-2 2-LS4-1	an interdependent ecosystem.	what plants and animals need to survive. Understanding of vocab such as interdependent, pollinating, seeds, animals, plants and ecosystems.		Organisms and their Habitats. Mystery Science	interdependent relationship in ecosystems with little to no help.
I can identify multiple solutions to slow or prevent wind or water from changing the shape of the land.	2-ESS2-1	Students can make a presentation to demonstrate the way to prevent wind and water from changing the shape of the land.	Understanding the vocabulary of erosion, land, earth, wind and water.	Project Rubric	CKSci- Unit 3 Exploring land and water Mystery Science	I can expand my knowledge and think more out of the box to create more solutions.
I can develop a model to represent the shapes and kidneys of land and bodies of water in Michigan and identify if it is a solid or a liquid.	2-ESS2-2	Students can draw a picture of a map and label water sources and if they are solid or liquid forms of water.	Understanding of solid and liquid. Understanding Michigan geography.	Project Rubric	CKSci- Unit 3 Exploring land and water Mystery Science	Students can make a more detailed picture of a map and label water sources and kidneys of land.