



Trinity Lutheran School Kindergarten Science Essential Standards Chart

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

Grade: Kindergarten	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 observe what the sun does to the Earth's surface.	K-PS3-1	Student will describe the effect of the sun on a sidewalk.	Understand concepts of temperature, warmer/colder, definition of effect.	NWEA Science		I can identify the sun moon and stars(1st grade standard)
I can describe what plants and animals need to survive.	K-LS1-1	Students will make a list of plant and animal needs.	Vocabulary words: sunlight, soil, air, shelter, habitat, etc.	NWEA Science		I can keep a plant alive based on the knowledge I have collected about what plants and animals need to survive.
I can observe local weather patterns over time.	K-ESS2-1	Students will complete a weather chart and describe patterns that they	Weather terminology Experience with charting and	NWEA Science		I can graph the patterns that I have observed over time.

		see for each season.	graphing			
I can model the relationship between plants, animals, and the places they live.	K-ESS3-1	Students identify and describe different animal and plant habitats.	Vocabulary: habitat Understand how animals and plants are different and alike. Plant and animal needs	NWEA Science		I can collect more knowledge and describe different animals and plant habitats.
I can use the forecast to prepare and respond to severe weather.	K-ESS3-2	Students develop and describe an emergency plan for bad weather.	Vocabulary Introduction to different types of weather/severe weather	NWEA Science		N/A
I can explain ways to reduce, reuse, and recycle.	K-ESS3-3	Students list different ways to reduce the impact of humans on the earth.	Vocabulary: recycling, reusing, and reducing	NWEA Science		I can brainstorm more ways that the school can reduce, reuse, and recycle.