

Wright City Science Curriculum

3rd Grade Science

Grade	3rd Grade
Unit of Study	Scientific Method
Length of Unit	5 days
Sample Essential Questions	Sample Corresponding Big Ideas
How is the scientific method applied in everyday life?	All subject areas use a process to solve problems. Word problems in math follow a step-by-step procedure.
How can testing and improving a design help us make it work better?	Problem-solving can improve a design by evaluating a problem and posing possible solutions to see if it could be improved.

Missouri Learning Standards

Priority Standards	Supporting Standards
3.ETS1.C.1: Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved.	3.R.1.C Develop and apply skills to the reading process: Explain relevant connection between text to text and text to world.
3.PS1.A.1: Predict and investigate that water can change from a liquid to a solid (freeze) and back again (melt), or from a liquid to a gas (evaporation), and back again (condensation) as the result of temperature changes.	3.W.3.A: Gather, analyze, evaluate, and use information from a variety of sources to apply the research process.
3.LS3.A.1: Construct scientific arguments to support claims that some characteristics of organisms are inherited from parents and some are influenced by the environment.	3.R1.A.b Develop and demonstrate reading skills in response to text by drawing conclusions and support with textual evidence. 3.R.3.C.a-b Read, infer, and draw conclusions to a) describe relationships among events, ideas, concepts, and cause and effect in texts and; b) explain the relationship between problems and solutions.

Unit 1 Sequence			
MLS	Topic(s)	Learning Targets	Academic Vocabulary
	What is a Scientist?	I can explain what a scientist does.	Tier 2: scientist
3.ETS1.C.1	steps of scientific method	I can identify and explain the steps of the scientific method. I can use the scientific method to investigate a problem, test a hypothesis, and collect data.	Tier 2: scientific, variable, problem, solution, collect, method Tier 3: constant variable, dependent variable, hypothesis, data

MLS	Learning Activities	
3.ETS1.C.1	Gummy Bear Lab	Can Do ▾
3.ETS1.C.1	M&M Lab	Can Do ▾
3.ETS1.C.1	Scientific Method Booklet	Must Do ▾
3.ETS1.C.1	Scientific Method Scenario	Diff Inst ▾

Assessments		
MLS	Description or Location	Rubric/Location
3.ETS1.C.1	Formative in Edulastic	Edulastic/curriculum links

Additional Resources	
Slides and Plan Sheet	
Labs: Gummy Bear Soak Lab ; Skittle Lab and Directions ; M and M Booklet Resource	
Scientific Method Scenario	