Name of Unit: **5th Grade Science Scientific Method/Graphing**	
Grade	**5**
Unit of Study	**Unit 1 Scientific Method/Graphing**
Length of Unit	**6 weeks**

Missouri Learning Standards	**https://dese.mo.gov/media/pdf/curr-mls-standards-sci-k-5-sboe-2016**			
5.ETS1.A.1	**Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.**			
5.ETS1.B.1	**Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.**			
5.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.**			

Unit Learning Targets

I can Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.

I can Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

I can 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.

Intervention and Enrichment

Intervention: Reteaching content, peer coaching, cooperative strategies
Enrichment: Real world applications using science labs and experiments

Assessments				
MLS (Learning Goal)	**Description or Location**			
5.ETS1.B.1	**Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.** **JUNG - Saving Earth's Resources Problem-based Learning Lesson**			

Vocabulary			
science controlled experiment claim	evidence hypothesis observation	pictograph circle/pie graph line graph	bar graph lab safety experiments

Instructional Materials

https://www.generationgenius.com/science-videos-for-kids/
https://mysteryscience.com/home
Science Studies Weekly

Additional Instructional Resources

Reflections for Future Revisions