



Erosion Control			
	Week	Syllabus Content	Page
Introduce	1	Introduction – Stem Classroom Rules Safety Design Process	
	2	Introductory Readings Modeling a Landslide Vocabulary Google Slides	3 4 5
	3	Mathematics: Mass and Volume Investigation Field Trip (Study Erosion Control Around the School)	6 7 8
Teach	4	Ask: How can you reinforce a Hillside? Imagine Visualize (Research)	9 10
	6	Plan for Erosion Control on a Hillside	10-11
	7	Create Test Prototype	12 13
	8	Analyze Results Improvement Plan (Adjustments Made)	14 15
Evaluate	9	KCFS Science Reports	
	10	Reflection on Project Google Slides	
	11	KCFS Sharing & Presentations	
Measuring Wind Speed			
Introduce	12	Introduction How can we predict whether a location is a good place for a wind turbine?	1
	13	Vocabulary Mathematics: Analyze a wind scale using a graph	2
Teach	14	Investigation: Wind Direction Ask: Why do we measure wind speed?	3
	15	Imagine: How can we measure wind speed? (Start Google Slides) Plan: Designing my anemometer Create: Building my anemometer	4-7
Evaluate	16	Create: Building my anemometer Test: Document data	8 9
	17	Analyze Results Adjust Plan	10 11
	18	KCFS Science Report	
	19	KCFS Sharing & Presentation	
	20-21	Career Opportunity	