

Grade Level: 6-8 UNIT PLAN

Subject: English, Language Arts, Science, Math

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Stage 1 Desired Results			
ESTABLISHED GOALS:	Transfer		
Science: Soil, weathering & erosion, chemistry,	Students will be able to independently use their learning to (What relevant activity and/or performance will students be asked to do that applies the required skills and knowledge?)		
conservation, types of rocks	Friday, December 5th is <u>World Soil Day</u> , and the FAO has declared that 2015 was the International Year of Soils.		
Math: percentages, decimals	Phenomena: Land degradation directly impacts the health and livelihoods of an estimated 1.5 billion people. Our most significant non-renewable geo-resource is productive land and fertile soil. Each year, an estimated 24 billions tons of fertile soil are lost due to erosion. An estimated 36 billion tons of soil eroded per year, is at least two times lower than previous annual soil erosion reference values. A few issues can start when topsoil becomes degraded. Flooding is perhaps the most dramatic result. When a landscape can't hold water, rainfall can only run off the surface and eventually wind up int he ocean. It will also cause		
ELA: Informational reading/writing about			
types of rocks Social Studies:			
Social Studies.	erosion and take a great deal of soil with it.		
	Meaning		
	UNDERSTANDINGS	ESSENTIAL QUESTIONS	
	The importance of soil for planting	Are we running out of soil?	
		How much topsoil is lost each year in the US?	
		What will happen if soil disappears from the earth?	
	Acquisition		
	Students will know	Students will be skilled at	







Stage 2 - Evidence		
Evaluative Criteria	Assessment Evidence	
	PERFORMANCE TASK(S):	
	Written piece about types of rocks/types of soil	
	Sharing	
	OTHER EVIDENCE:	
Stage 3 – Learning Plan		
Summary of Key Learning Events and Instruction		
What acti	ivities, experiences and lessons will lead to achievement of the desired results and success at the assessments? How will the learning plan help students with Acquisition, Making Meaning and Transfer? How will the unit be sequenced and differentiated to optimize achievement for all learners? Read Plant Something for ME and discuss	
 Where Hook Equip & Experience Rethink Evaluate Tailor Organize 	Go out to the playground and look at places where plants do not grow (can take iPad pictures to bring back to room). Pair and share/discuss why plants do not - share out. Discuss what helps make soil fertile. What video about dirt: https://www.youtube.com/watch?v=if29mjcd5bc https://www.youtube.com/watch?v=p166fVxwyuY https://www.youtube.com/watch?v=uim]Y25uMR8 Science: Parts of soil & chemicals, types of rocks https://www.youtube.com/watch?v=mg7XSjcnZQM Math: %, pie graphs	

UbD Template 2.0 (http://jaymctighe.com/resources/downloads/)

