



Grade 8 Science - Water		
Big Ideas		
Sustainability and Stewardship	Systems and Interactions	Change and Continuity
Water is crucial to life on Earth. (Overall expectations 1 and 2)	Water systems influence climate and weather patterns. (Overall expectation 3)	Water is an important resource that needs to be managed sustainably. (Overall expectations 1 and 2)
Overall Expectations		
1) assess the impact of human activities and technologies on the sustainability of water resources		
2) investigate factors that affect local water quality		
3) demonstrate an understanding of the characteristics of the earth's water systems and the influence of water systems on a specific region		

Water Inquiry	
QUESTION	-develop questions about the topics above
COLLABORATE	-with a group of your peers, share your questions and determine which you would like to learn more about -with your peers, develop a focus for an inquiry that incorporates the big ideas of this unit
CONNECT	-use various research tools that will help you to conduct your inquiry -make connections either locally or globally that will help you to understand and explain your topic
PLAN	-create a plan of action (how will you plan, create, and share your work)
PRODUCE	-make something that demonstrates your learning that others can look at and comment on -connect your inquiry to the real world -use technology
SHARE	-share your work using technology (with more than just your class)
REFLECT	-reflect on the process and results of your inquiry



Name _____ Class _____

WATER INQUIRY - Assessment

Criteria	Level 1	Level 2	Level 3	Level 4	PROCESS
Knowledge and Understanding Understanding of Content	-demonstrates limited understanding of content	-demonstrates some understanding of content	-demonstrates considerable understanding of content	-demonstrates thorough understanding of content	
Thinking and Investigation Use of Initiating and Planning Skills and Strategies	-uses initiating and planning skills and strategies with limited effectiveness	-uses initiating and planning skills and strategies with some effectiveness	-uses initiating and planning skills and strategies with considerable effectiveness	-uses initiating and planning skills and strategies with a high degree of effectiveness	

Process Feedback

Criteria	Level 1	Level 2	Level 3	Level 4	PRODUCT
Communication Expression and Organization of Ideas and Information in Oral, Visual, and/or Written Forms	-expresses and organizes ideas and information with limited effectiveness	-expresses and organizes ideas and information with some effectiveness	-expresses and organizes ideas and information with considerable effectiveness	-expresses and organizes ideas and information with a high degree of effectiveness	
Application Making Connections Between Science, Technology, Society, and the Environment	-makes connections between science, technology, society, and the environment with limited effectiveness	-makes connections between science, technology, society, and the environment with some effectiveness	-makes connections between science, technology, society, and the environment with considerable effectiveness	-makes connections between science, technology, society, and the environment with a high degree of effectiveness	

Product Feedback