8th Grade Science Grade Level Indictors

	Earth & Space Sciences		Life Sciences		Science & Technology			Scientific Inquiry				Scientific Ways of Knowing
	Earth Systems		Evolutionary Theory		Understanding Technology	Abilities to do Design		Doing Scientific Inquiry				Ethical Practices
Programs	11. Use models to analyze the size and shape of Earth, its surface and its interior.	13. Describe how landforms are created through a combination of destructive and constructive processes.	3. Explain how variations in structure, behavior or physiology allow some organisms to enhance their reproductive success and survival in a particular environment.	5. Investigate how an organism adapted to a particular environment, as shown by the fossil record.	2. Examine how choices regarding the use of technology are influenced by constraints caused by various unavoidable factors.	3. Design and build a product or create a solution to a problem given more than two constraints.	4. Evaluate the overall effectiveness of a product design or solution.	1. Choose the appropriate tools or instruments and use relevant safety procedures to complete scientific investigations.	2. Describe the concepts of sample size and control and explain how these affect scientific investigations.	3. Read, construct and interpret data in various forms produced by self and others in both written and oral form.	4. Apply appropriate math skills to interpret quantitative data.	2. Explain why it is important to examine data objectively and not let bias affect observations.
Benthic Bugs and Bioassessment								X	X	X	X	X
Enviroscape			X	X	X							
Freddie the Fish												
Ground Water	X				X							
Incredible Journey												
Soil Sleuths												
Streamulator	X	X			X	X	X					
Stream Quality Monitoring			X					X		X		X
Web of Life												