

**Correlations to North Carolina Standard Course of Study: Science—Sixth through Eighth Grade**

Competency Goals & Objectives	1. Healthy Ecosystems	2. Web Quest: Native Species	3. Read & Sum. Weeds Gone Wild	4. Space Invaders: Unwanted Neighbors	5. Web Quest: Exotic Invasive Plant Species	6. Wipe Out Native Neighbors	7. Most Wanted Poster	8. Ethi-Reasoning	9. Choose a Viewpoint & Structure an Argue.	10. Walk to School	11. Empowerment: What can you do?	12. Weed Pull Preparation	13. Weed Pull	14. Jeopardy
1. The learner will design and conduct investigations to demonstrate an understanding of scientific inquiry.	x	x	x		x			x	x	x		x	x	
1.03 Apply safety procedure in the laboratory and in field studies -conduct appropriate procedures												x	x	
1.05 Analyze evidence to: -Explain observations -Make inferences and predictions -Develop the relationship between evidence and explanation										x				

1.06 Use mathematics to gather, organize, and present quantitative data resulting from scientific investigations: - Analysis of data - Graphing - Prediction models										X				
1.08 Use oral and written language to: -Communicate findings. -Defend conclusions of scientific investigations. -Describe strengths and weaknesses of claims, argument, and/or data								X	X					
1.09 Use technologies and information systems to: -research	X	X			X									
1.10 Analyze and evaluate information from a scientifically literate viewpoint by reading, hearing, and/or viewing: -articles			X						X					
The following goals and objectives are grade 6														
3. The learner will build an understanding of the geological cycles, forces, processes, and agents which shape the lithosphere.	X		X	X	X	X	X	X	X	X	X	X	X	X
3.06 Evaluate ways in which human activities have affected Earth's pedosphere and the measure taken to control the impact: -vegetative cover														

7. The learner will conduct investigations and use technologies and information systems to build an understanding of population dynamics.	x	x	x	x	x	x	x	x	x	x	x	x	x	x
7.01 Describe ways in which organisms interact with each other and with non-living parts of the environment: -Coexistence/Cooperation/ Competition -Symbiosis -Mutual dependence	x	x	x	x	x	x	x			x		x	x	
7.02 Investigate factors that determine the growth and survival of organisms including: -light -temperature range -mineral availability -soil/rock type -water -energy										x				
7.03 Explain how changes in habitat may affect organisms.		x	x	x	x	x	x	x	x	x	x	x	x	x
7.05 Examine evidence that overpopulation by any species impact the environment.	x		x	x	x	x	x	x	x	x	x	x	x	x

<p>7.06 Investigate processes which, operating over long periods of time, have resulted in the diversity of plant and animal life present today:          -natural selection          -adaptation</p>				x										
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