

I. Grade Level/Unit Number: Grade 6 Unit Four

II: Unit Title: Ecosystem Interactions

III. Unit Length: 7 weeks

IV. Objectives Included:

Number	Competency or Objective	RBT Tag
1.01	Identify and create questions and hypotheses that can be answered through scientific investigations.	A1
1.02	Develop appropriate experimental procedures for: <ul style="list-style-type: none"><li>• Given questions.</li><li>• Student generated questions.</li></ul>	B3
1.03	Apply safety procedures in the laboratory and in field studies: <ul style="list-style-type: none"><li>• Recognize potential hazards.</li><li>• Manipulate materials and equipment.</li><li>• Conduct appropriate procedures.</li></ul>	A3
1.04	Analyze variables in scientific investigations: <ul style="list-style-type: none"><li>• Identify dependent and independent.</li><li>• Use of a control.</li><li>• Manipulate.</li><li>• Describe relationships between.</li><li>• Define operationally.</li></ul>	B4
1.05	Analyze evidence to: <ul style="list-style-type: none"><li>• Explain observations.</li><li>• Make inferences and predictions.</li><li>• Develop the relationship between evidence and explanation.</li></ul>	C3 (c4)
1.06	Use mathematics to gather, organize, and present quantitative data resulting from scientific investigations: <ul style="list-style-type: none"><li>• Measurement.</li><li>• Analysis of data.</li><li>• Graphing.</li><li>• Prediction models.</li></ul>	A2
1.07	Prepare models and/or computer simulations to: <ul style="list-style-type: none"><li>• Test hypotheses.</li><li>• Evaluate how data fit.</li></ul>	B2
1.08	Use oral and written language to: <ul style="list-style-type: none"><li>• Communicate findings.</li><li>• Defend conclusions of scientific investigations.</li></ul>	A1
1.09	Use technologies and information systems to: Research. <ul style="list-style-type: none"><li>• Gather and analyze data.</li><li>• Visualize data.</li></ul>	A1