

Natural Science – SLOs by Category

Northern Kentucky University
Foundation of Knowledge General Education Program

Natural Science SLOs				
	Capstone 4	Milestones		Benchmark 1
		3	2	
A.3. Students develop evidence-based solutions and/or conclusions.	Solutions and/or conclusions are completely supported by appropriate evidence/data	Solutions and/or conclusions are mostly supported by appropriate evidence/data	Solutions and/or conclusions are somewhat supported by appropriate evidence/data	Arguments/conclusions are minimally supported by appropriate evidence/data
D.1 Students demonstrate the ability to use the appropriate (i.e. scientific, quantitative, computational, technological) methods/procedures and/or reasoning to draw an appropriate conclusion or solve a problem.	Students demonstrate a thorough understanding of appropriate method/procedures leading to an accurate and effective problem solution / conclusion.	Students demonstrate a complete but basic understanding of appropriate method/procedures leading to an accurate problem solution / conclusion.	Students demonstrate a partial understanding of appropriate method/procedures leading to a limited problem solution / conclusion.	Students demonstrate a lack of or minimal understanding of the basic reasoning behind the appropriate method/procedure leading to an inability to solve problem or draw appropriate conclusion.
D2: Students understand concepts and/or theories of the science behind applications or technological innovations.	Identify and explain scientific concepts and/or theories relevant to the discipline, making connections supported by pertinent examples	Identify and explain scientific concepts and/or theories relevant to the discipline, supported by pertinent examples	Identify and explain scientific concepts and/or theories relevant to the discipline	Identify scientific concepts and/or theories relevant to the discipline