2022-23 General Education Learning Outcome Report – Natural Science

Definition: Students will be able to apply scientific terminology, and investigate and draw conclusions about the natural world.

Instructor name	Neva Tall Bear
Date	July 6, 2023
Course (e.g., CS 101)	SC 121 / 125 Intro to General Chemistry / Lab
Number of students assessed (not the # in the class)	4
Semester and year assessed (e.g., fall 2023)	F19 520 F20 S21 F21 S22 F22 S23
Identify the specific graded summative assessment(s)	Lab 8: Mole Project

Fill in the columns for the indicators that can be assessed using the specific graded summative assessment identified above (enter "NA" on the other rows)

General education indicators: *Students were able to…*	Results of assessment: For each indicator, indicate the % or # of students who performed below, at, or above expected levels (only include students whose work you assessed)			Next steps / reflections: For each indicator, write reflections on anything that stood out for you (e.g., changes in teaching, learning, or assessment strategies; areas for student growth; areas where students excelled; proposed curriculum changes).
	% or # **below expected level** (D/F grade)	% or # **at expected level** (C grade)	% or # **above expected level** (A/B grade)	
1. Apply scientific terminology.		50%	50%	Students will make a presentation on the mole concept Avagrado's number. Next steps; Students must do either a poster or slide show on the concept of "mole project." Students participated at 50% expected level and 50% above expected level. The students who performed above expected had the technical experience. In the future we might want to provide technology and resource training for the other students.
2. Apply the scientific method to explore the natural world.				NA
3. Draw conclusions about the natural world.				NA

Teaching/learning success: Explain any teaching or learning strategies you found to be effective for students to learn these general education indicators.	Providing previous poster and slides for the students to check. Providing stoichiometry problems as examples.