

Secondary Science Methods Rubric for Assignment 1 - Safety Module

Total of 100 points

Subarea Score * (with NSTA standards)	Unacceptable	Acceptable	Competent	Exemplary
Safety Contract Highlighted <i>NSTA Standards 9a, 9b and 9c</i>	0-5 Did not highlight safety aspects on the safety contract	6-7 Turned safety contract in with some highlights on some aspects	8-9 Turned safety contract in on-time and defended the choices of the highlighted aspects	10 Turned safety contract in on-time and thoroughly defended the choices of the highlighted aspects
Safety Contract Exam <i>NSTA Standards 9a, 9b and 9c</i>	0-24 Missed more than 10 questions	25-29 Missed no less than 6 questions and no more than 10 questions	30-33 Missed no less than 2 questions and no more than 5 questions	34-35 Correctly answered all questions or missed only one question
List of Safety Items and Importance <i>NSTA Standards 9a, 9b and 9c</i>	0-2 Did not list five Biology safety items nor their defense	3 Listed five Biology safety items but did not defend all five choices	4 Listed five Biology safety items and defended the choices	5 Listed five Biology safety items and thoroughly defended the choices
Biological MSDS <i>NSTA Standards 9a, 9b and 9c</i>	0-2 Did not print the MSDS of all 5 nor pointed out the important aspects of all 5	3 Printed the 5 MSDS but did not highlight the important aspects	4 Printed the 5 MSDS and highlighted some of the important aspects of each	5 Printed the 5 MSDS and thoroughly highlighted the important aspects of each
Summary of Oklahoma Requirements for Lab Safety <i>NSTA Standards 9a, 9b and 9c</i>	0-4 Did not listed all five Oklahoma requirements nor their explanations	5-6 Listed the five Oklahoma requirements with only some explained (one or more requirement's explanation was lacking)	7-8 Listed the five Oklahoma requirements with a some explanation for each one	9-10 Listed the 5 OK requirements, with a thorough explanation for each, of a 1) Chemical Hygiene Plan, 2) MSDS, 3) Inventory, 4) Training and 5) Labeling
Biological Waste Disposal Procedures Quiz <i>NSTA Standards 9a, 9b and 9c</i>	0-2 Answered less than three quiz questions correctly	3 Answered three quiz questions correctly	4 Answered four quiz questions correctly	5 Answered all five quiz questions correctly
Completed Service Learning Worksheet and School Site Participation <i>NSTA Standards 9a, 9b and 9c</i>	0 Did not participate in a school Service Learning Project nor was the worksheet completed			10 Participated in a school Service Learning Project and completed the worksheet
Lab Design and Written Explanation <i>NSTA Standards 9a, 9b and 9c</i>	0-5 Did not print a floor plan with safety items and/or did not describe why it is the best or how it aids learning	6-7 Printed floor plan with safety items and wrote why it is the best or how it aids learning but some explanation was lacking	8-9 Printed favorite floor plan with all safety items and wrote why it is the favorite and how it aids learning	10 Printed favorite floor plan with all safety items shown and thoroughly wrote why it is the favorite and how it aids learning
Personal Plan for the Ethical Treatment of Animals <i>NSTA Standards 9a and 9d</i>	0-5 Did not write a plan or the plan only addressed 1-3 of the aspects and did not express ethical plans for animal treatment	6-7 Wrote a plan addressing only 4-5 of the 6 aspects and expressed ethical plans for animal treatment	8-9 Wrote a plan addressing a – f and expressed ethical plans for animal treatment	10 Wrote a thorough plan addressing a – f and expressed ethical plans for animal treatment

*The acceptable level is the minimum allowed score.