***Secondary Science Methods* Rubric for Assignment 1 - Safety Module**

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| **Total of 100 points** | | | | |
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| **Subarea Score \***  **(with NSTA standards)** | **Unacceptable** | **Acceptable** | **Competent** | **Exemplary** |
| Safety Contract Highlighted  *NSTA Standards 9a, 9b and 9c* | 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  *NSTA Standards*  *9a, 9b and 9c* | 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  *NSTA Standards*  *9a, 9b and 9c* | 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  *NSTA Standards*  *9a, 9b and 9c* | 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  *NSTA Standards 9a, 9b and 9c* | 0-4  Did not listed all five Oklahoma requirements nor their explanations | 5-6 Listed the five Oklahoma require-ments with only some explained (one or more require-ment’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  *NSTA Standards 9a, 9b and 9c* | 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  *NSTA Standards 9a, 9b and 9c* | 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  *NSTA Standards 9a, 9b and 9c* | 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  *NSTA Standards 9a and 9d* | 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.