

Task 8 - 10 Portfolio development

Task 8 Portfolio - Scientific procedure

Standards

Able to write a scientific procedure

Able to use scientific information to draw conclusions

Able to write a hypothesis

For your portfolio you need to select at least three experiments we conducted in class, one should be a procedure you developed. The point of this is to show me that you have mastered the skills of scientific experimentation. The experiments you pick should cover all the components of good scientific design. You should concentrate on the three standards at the top of the page. Once you have selected the three experiments you should complete a reflection. Your reflection should be 1-2 pages and should focus on the three standards. The reflection should describe how the experiment shows your ability to do all three standards covering all the components given to you in the scientific procedure document. Use examples from your experiment to illustrate your points.

I am going to grade each reflection and experiment holistically using the guidelines below.

5 Excellent performance

It is clear from the experiments and reflection that you understand all of the components of the standards. Using the experimental procedure rubric you would score excellent for all criteria. Any weakness are addressed correctly in your description.

4 Good performance

It is clear from the experiment and reflection that you understand all but one or two components of the standards. Using the experimental procedure rubric you would score mostly in the good/excellent range for most criteria. Any weaknesses in you design are addressed correctly in your reflection.

3 Adequate Performance

It is clear from the experiment and reflection that you understand all but three or four of the components of the standard. Using the experimental procedure rubric you would score mostly in the good range. Most weakness in you design are addressed correctly in your reflection.

2 Improvement needed

It is clear from you experiment and reflection that you lack understanding of all but one or two of the components of the standard. Using the experimental procedure rubric you would score mostly in the good/poor range. Weaknesses are not addressed in your reflection.

1 Poor performance

It is clear from your experiment and reflection that you lack any understanding of the components of that standard. Using the rubric you would score mostly in the poor range.