



# North Kingstown High School Anchor Assignment Assessment Plan

**Department: Science**

**Name of Course: Earth Science**

**“Title” of Anchor Assignment: Earth Science Project Lab Report**

**What are students asked to do/create/write/present to complete this assignment?**

Students will learn in class how to design and conduct a controlled experiment. Students will then propose a controlled experiment to their teacher. Upon acceptance, students will conduct their experiment and follow the parts of the scientific method they were instructed in during the first quarter of the year. Students will write up the results of their experiment in a formal lab report. The lab report will consist of the following sections: a title page, abstract, introduction, materials, procedure, qualitative and quantitative data, a titled and labeled graph, discussion and works cited.

**GSE(s) Covered by this Assignment:**

\_\_\_\_\_ Rhode Island Science Inquiry Standards 1-13 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**NKHS Expectation(s) for Student Learning Covered by this Assignment:**

\_\_\_\_\_ Written Communication \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Problem Solving**

**Depth of Knowledge (Check one)**

\_\_\_\_\_ **Level 1- Recall of Information** - requires the student to write or recite simple facts. Does not include complex synthesis or analysis, but basic ideas. Level 1 requires students to demonstrate a rote response, perform a well-known algorithm, follow a set procedure (like a recipe), or perform a clearly defined series of steps.

\_\_\_\_\_ **Level 2- Basic Reasoning**- requires some mental processing, connecting ideas using a simple organizational structure. At this level, students are engaged in first draft writing for a limited number of purposes and audiences; Keywords that generally distinguish a Level 2 item include “classify,” “organize,” “estimate,” “make observations,” “collect and display data,” and “compare data.” These actions imply more than one step.

\_\_\_\_\_ **Level 3- Complex Reasoning**- requires some higher level mental processing. Students are developing multi-paragraph compositions that may include complex sentence structures or demonstrate some synthesis and analysis. The cognitive demands at Level 3 are complex and abstract. The complexity does not result from the fact that there are multiple answers, a possibility for both Levels 1 and 2, but because the task requires more demanding reasoning.

  X   **Level 4- Extended Reasoning**- Higher-level thinking is central to this level. Multi-paragraph compositions demonstrate synthesis and analysis of complex idea or themes and evidence of a deep awareness of purpose and audience. Level 4 activities include designing and conducting experiments; making connections between a finding and related concepts and phenomena; combining and synthesizing ideas into new concepts; and critiquing experimental designs.

**Is proficient completion of this assignment required for the e-Portfolio? Yes   X   No \_\_\_\_\_**

**How will this anchor assignment be graded and weighed in the overall grading?**

\_\_\_\_\_The lab report will be graded using the attached rubric and will count for 10% of the quarter 2 grade.\_\_\_\_\_

**Outline the opportunities for students to revise their work.**

\_\_\_\_\_Students will be able to revise their work in accordance with the North Kingstown High School remediation plan.\_\_\_\_\_

---

---

---

---

---

---

---

---