



# North Kingstown High School Anchor Assignment Assessment Plan

**Science Department**

**Biology- Semester 1**

**“Cell Model Project”**

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

Students are to make a model of a living cell. The model must demonstrate understanding of the form and function of the cell and its parts. The model should be made of materials that reflect the cell parts they represent. Students must explain their cell model orally upon turning it in. This assignment is a long term assignment and will be completed in the first semester. Additional requirements may be made by individual teachers.

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

OC-2.1:Exhibiting logical organization and language use, appropriate to audience, context, and purpose  
LS-1a: Explaining the relationships between and amongst specialized structures of the cell and their functions  
LS-1b: Explaining that most multicellular organisms have specialized cells to survive, while unicellular organisms perform all survival functions.

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

Oral Communication: Expectation 3

## **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.

\_\_\_**X**\_\_\_ **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.

\_\_\_\_\_ **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  No \_\_\_\_\_**

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

1 Test Grade

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

Opportunities to revise work after turning in assignment will be per NKHS required anchor assignment guidelines.