Commonly Used Science and Math Rubrics

Individual Homework Assignments

4 – Homework is complete, work is shown and it demonstrates a strong understanding of the skills or concept. Any incorrect answers have been redone and demonstrate new understanding, or additional work demonstrates understanding beyond what was done in class.

3 – Homework is complete, work is shown and it demonstrates strong understanding (75-100%) of the skills or concept.

2 – Homework is complete and demonstrates moderate understanding (50-75%) of the skill or concept. In some cases, more work needs to be shown, or 1-2 problems incomplete due to confusion, but they were started.

1 – Homework is incomplete or demonstrates only partial understanding of the skill or concept (up to 50%).

☐ - Assignment late and needs to be completed and turned in.

Generic Scoring Rubric for 2-Point Open-Ended Items

Score Point 2
The response is correct, complete and appropriate. The student has demonstrated a strong understanding of scientific concepts and inquiry skills. The response may contain minor errors that will not necessarily lower the score.

Score Point 1
The response is partially correct and appropriate although minor inaccuracies or misconceptions may occur. The student has demonstrated limited evidence of an understanding of scientific concepts and inquiry skills.

Score Point 0
The response is an unsatisfactory answer to the question. The student has failed to address the question or does so in a very limited way. The response does not show evidence for understanding scientific concepts and inquiry skills. Serious misconceptions may exist.
Short Response Rubric

A  A thoughtful detailed response demonstrating a **strong** understanding of the science concept in question, supported by details and specific examples from the activity or reading. The response is written in clear sentences with correct punctuation. The response can stand alone from the question and be understood.

B  A detailed response demonstrating **considerable** understanding of the science concept in question, supported by some direct examples from the activity or reading. The response is written in sentences with only minor punctuation and grammatical errors. The response may or may not stand alone from the question and still be understood.

C  The response demonstrates a **partial** understanding of the science concept in question, lacking details and examples. The response demonstrates some confusion or misconceptions about the science concept. The response is written mostly in sentences with some punctuation and grammatical concerns.

D  The response demonstrates **little** understanding of the science concept in question and lacks specific details and examples. The response is written in short phrases or sentence fragments.

F  The response demonstrates **little to no** understanding of the science concept. The response is unreadable or lacks the information necessary to communicate their ideas effectively, such as "yes" with no further elaboration.

Scientific Drawing Rubric

A  Student’s drawing records **detailed** observations of the specimens or props studied. The drawing is labeled and has a complete heading. Relevant descriptions or answers to questions are attached and complete. Important structures or parts are labeled. Color is used if requested in class. A sense of scale is provided.

B  Student’s drawing records **considerable** observations of the specimens or props studied. A few parts are absent that would increase the amount of information communicated through the drawing.

C  Student’s drawing records **some** observations of the specimens or props studied. Neatness and lack of detail prevent the reader from interpreting all parts of the drawing. Labels, descriptions or other important features are absent.

D  Student’s drawing records **minimal** observations of the specimens or props studied. The drawing does not meet the expectations of the assignment because it either cannot be read clearly or does not communicate the necessary information about the specimen or prop observed.

F  Student’s drawing is **not complete, unreadable** or **lacks the information** necessary to demonstrate that they made observations and recorded them.
Commonly Used Grade 5 Science Rubrics

Homework

4 – Complete and shows strong understanding.
   Additional work shows an understanding above and beyond expectations.
3 – Complete and shows strong understanding (75-100%).
2 – Complete and demonstrates moderate understanding (50-75%). More detail often needed.
1 – Incomplete or shows only partial understanding (up to 50%).
☐ - Late, needs to be completed.

Scoring Rubric for 2-Point Open-Ended Items

Score Point 2
The response is correct, complete and appropriate. The student has demonstrated a strong understanding. The response may contain minor errors that will not necessarily lower the score.

Score Point 1
The response is partially correct and appropriate although minor confusion may exist. The student has demonstrated some evidence of an understanding, but more detail would help.

Score Point 0
The response is an unsatisfactory answer to the question. The response does not show evidence for understanding. Confusion may exist.

Short Response Rubric

A A thoughtful detailed response demonstrating a strong understanding of the science concept, supported by details and specific examples from the activity or reading. The response is written in clear sentences with correct punctuation. The response can stand alone from the question and be understood.

B A detailed response demonstrating considerable understanding of the science concept, supported by some direct examples from the activity or reading. The response is written in sentences with only minor punctuation and grammatical errors. The response may or may not stand alone from the question and still be understood.

C The response demonstrates a partial understanding of the science concept in question, lacking details and examples. The response demonstrates some confusion or misconceptions about the science concept. The response is written mostly in sentences with some punctuation and grammatical concerns.

D The response demonstrates little understanding of the science concept in question and lacks specific details and examples. The response is written in short phrases or sentence fragments.

F The response demonstrates little to no understanding of the science concept. The response is unreadable or lacks the information necessary to communicate their ideas effectively, such as “yes” with no further elaboration.