## Student Work Rubric Content Understanding Dimension Options for NGSS Science: Grades K–5

Use one or more of these as your “Disciplinary Content Understanding” dimension in the Grades K–5 Opinion or Informational/Explanatory Student Work Rubrics.

| Integration of NGSS Strands: How well does the student integrate disciplinary core ideas, crosscutting concepts, and science/engineering practices? |
|---|---|---|---|---|
| **EMERGING** | **APPROACHES EXPECTATIONS** | **MEETS EXPECTATIONS** | **ADVANCED** |
| **1** | **1.5** | **2** | **2.5** | **3** | **3.5** | **4** |

### Integration of NGSS Strands

**Use this row to holistically rate the student’s integration of the NGSS strands.**

- **Uses science/engineering practice(s) to demonstrate and apply content OR makes connections to the cross cutting concepts with major errors or omissions.**
- **Uses science/engineering practice(s) to demonstrate and apply content while making connections to the cross cutting concepts with minor errors.**
- **Uses science/engineering practice(s) to demonstrate and apply accurate content and makes connections to the cross cutting concepts.**
- **Uses science/engineering practice(s) to demonstrate and apply accurate content and explains the connections (relationships) to the cross-cutting concepts.**

### DISCIPLINARY CORE IDEAS

[SELECT SPECIFIC CONTENT STANDARD(S) HERE.]

- **Identifies or otherwise applies irrelevant content OR relevant content with major errors or omissions.**
- **Identifies or otherwise applies relevant content with minor errors or omissions.**
- **Explains or otherwise applies relevant and accurate content.**
- **Explains and applies relevant and accurate content.**

### CROSSCUTTING CONCEPTS

[SELECT SPECIFIC CROSS-CUTTING CONCEPT(S).]*

- **Identifies or makes connection to irrelevant crosscutting concept(s) OR to relevant crosscutting concept(s) with major errors or omissions.**
- **Identifies or makes connection(s) to relevant crosscutting concept(s) with minor errors or omissions.**
- **Explains OR makes accurate connections to relevant crosscutting concept(s).**
- **Explains and makes accurate connections to relevant crosscutting concept(s).**

*Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change*