Lesson Hive Recommendation/Scoring Rubric (DRAFT; 5-20-2023)

NGSS Alignment: All 3 must be present

☐ Explaining Phenomena or Designing Solutions: The lesson focuses on supporting students to make sense of a phenomenon or design solutions to a problem.

☐ Three Dimensions: The lesson helps students develop and use grade-appropriate elements of the science and engineering practices (SEPs), disciplinary core ideas (DCIs), and crosscutting concepts (CCCs).

☐ Integrating the Three Dimensions: The lesson elicits student artifacts that show direct, observable evidence of three-dimensional learning.

Features of Quality Design: At least 5 must be present

☐ Cultural Relevance: The lesson motivates student sense-making or problem-solving by taking advantage of student questions and prior experiences in the context of the students’ home, neighborhood, and community as appropriate.

☐ Student Ideas: The lesson provides opportunities for students to express, clarify, justify, interpret, and represent their ideas (i.e., making thinking visible) and to respond to peer and teacher feedback.

☐ Building on Students’ Prior Knowledge: The lesson identifies and builds on students’ prior learning in all three dimensions in a way that is explicit to both the teacher and the students.

☐ Formative Assessment: Provides quality rubrics that emphasise a true progression of learning.

☐ Educator Connections: The resource provides enough background and supplemental material so that a teacher feels comfortable using it. Student preconceptions are identified with guidance for how to work with them. Material lists are clear and comprehensive. Safety concerns addressed if needed.

☐ Links with Mathematics and Graphing: Students create, interpret, use, and evaluate graphical displays of data.

☐ Differentiation: Instructional resources provide ideas to accommodate all learners, including secondary languages. Students have multiple pathways for showing their understanding of concepts, and have choices.

This rubric was developed and modified from the EQuIP rubric and NextGen TIME rubrics.