



CoMPASS

Concept Mapped Project-based Activity Scaffolding System

Embedded Assessment: Rubrics

Activities:	Name/number of the common core standard	Rubric			
Roller Coaster Ideas	Writing for Science Literacy 7 (6-8)	1. Does not meet (content and writing expectations) Does not identify correct science content or identifies incorrect science Does not use correct science terms Does not write in complete sentences	2. Almost meets (content and writing expectations) Identifies some (but not all relevant) correct science content Uses some (but not all relevant) science terms Writes a few complete sentences	3. Meets (content and writing expectations) Identifies correct energy changes and some relationships among science ideas Uses all relevant science terms Writes complete sentences; uses third person	4. Exceeds (content and writing expectations) Identifies correct science content explains causal connections; identifies relationships among science ideas Uses all relevant science terms. Explains the science correctly and in detail; explains relationships in detail; uses technical language

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Activities:	Name/number of the common core standard	Rubric			
All questions	Writing for Science Literacy 7 (6-8) Also Writing for Science Literacy 4, 5, 6 (6-8)	1. Does not meet (content and writing expectations) Does not write questions. Writes questions that are not relevant to the goal.	2. Almost meets (content and writing expectations) Able to write questions Writes only "what" questions Questions may or may not be related to the goal Sometimes questions are stated clearly and in complete sentences	3. Meets (content and writing expectations) Writes "what" questions Writes a few "how" and "why" questions Questions are related to the goal Writes a few "relationship" questions Questions are mostly concrete such as: how does the type of track affect work? Questions are stated clearly and in complete sentences	4. Exceeds (content and writing expectations) Writes several "how" and "why" questions Questions are related to the goal Questions use correct science terminology Questions include several "relationship" questions Questions are general (abstract) and refer to physics concepts: How does friction affect work? Questions are stated clearly and in complete sentences
An easy way to apply this will be to count the: number of what, how, and why questions, relationship questions and question related to the goal (challenge)					

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Activities:	Name/number of the common core standard	Rubric			
Hypotheses writing	Reading for Science Literacy 7 Writing for Science Literacy 1.b	1. Does not meet (content and writing expectations) Does not identify either controlled or tested variables Identifies variables but they are incorrect Does not write correct if-then statements	2. Almost meets (content and writing expectations) Identifies either controlled OR manipulated variables, but not both variables Identifies variables but does not write correct if-then statements	3. Meets (content and writing expectations) Identifies both controlled and manipulated variables correctly Is able to write correct if-then statements	4. Exceeds (content and writing expectations) Identifies reasoning behind if-then statements, for e.g., says if...then... <i>because</i> ...

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Activities:	Name/number of the common core standard	Rubric			
All report-outs	Reading for Science Literacy 7 Writing for Science Literacy 1.b	1. Does not meet (content and writing expectations) Draws incorrect inferences from data OR does not refer to the data Does not use evidence to make claims Does not include information from the text to support claims Mismatch between confirming hypotheses and data	2. Almost meets (content and writing expectations) Draws some correct inferences from data Uses evidence, but not always Uses science terms from text, but only sometimes; copies text verbatim from notes Does not include relationships while making claims	3. Meets (content and writing expectations) Draws correct inferences from data Uses evidence to make claims Uses science terms from text to report about data Include relationships while making claims	4. Exceeds (content and writing expectations) Shows deep understanding of the topic by using and integrating information from text and experiments; uses data to make causal claims, identifies correct relationships between science ideas

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Activities:	Name/number of the common core standard	Rubric			
All Final Analyses	Reading for Science Literacy 7 & 9 Writing for Science Literacy 1.b	1. Does not meet (content and writing expectations) Draws incorrect inferences from data OR does not refer to the data Does not use evidence to make claims Does not include information from the text to support claims	2. Almost meets (content and writing expectations) Draws some correct inferences from data Uses evidence, but not always Uses science terms from text, but only sometimes; copies text verbatim from notes Does not include relationships while making claims	3. Meets (content and writing expectations) Draws correct inferences from data Uses evidence to make claims Uses science terms from text to report about data Include relationships while making claims Integrates from text, simulations, class discussions and resources (acceptable way)	4. Exceeds (content and writing expectations) Shows deep understanding of the topic by using and integrating information from text and experiments; uses data to make causal claims, identifies correct relationships between science ideas

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