

Dimension: Description and Actions

Dimension	Description	Actions
21 st Century Skill: Communication	Measures the degree to which the student can communicate about lesson expectations, in terms of concept, and instructions	<i>Building common ground:</i> Student builds a shared representation and negotiates the tasks and objectives <i>Planning:</i> Student communicates with the peer about the actions to be performed in order to progress
21 st Century Skill: Collaboration	Measures the degree to which the student can collaborate with the peer in order to complete the activity/experiment per the instructions	<i>Recognition:</i> Student recognizes the type of collaborative interaction required to complete the tasks effectively <i>Monitoring:</i> Student monitors the results of the actions and evaluates success in the completion of the tasks
21 st Century Skill: Critical Thinking (individually)	Measures the degree to which the student can think critically when collecting activity/experiment results and when completing the data tables	<i>Recall:</i> Student can analyze information, including from prior domain knowledge, to objectively draw conclusions <i>Reasoning:</i> Student recognizes the underlying causes and thinks through the consequences of different actions
21 st Century Skill: Critical Thinking (in group)	Measures the degree to which the student can think critically when discussing the results of the activity/experiment	<i>Synthesizing:</i> Student is able to combine information from the peer with his/her own understanding <i>Deeper Understanding:</i> Student is able to look at the concepts from multiple perspectives and contemplate innovative solutions