

Name: _____

Rubric for Performance of Science Practices Depicted in digital Images

Practice	Image (&/or voice or text) shows (~1/3 pts awarded for image selected, 1/3 for added "text" about practice, & 1/3 for accuracy of science addressed)	Comments... feedback provided regarding issues and strengths.	Pts* 10.6 pts ea max possible
Asking questions &/or defining problems	instance of wondering or questioning about natural phenomenon that develops into a testable or investigatable (specific) question about a natural phenomenon or about a problem defined (include something related to the natural phenomenon in the image if possible, or in text added) ; comments show understanding of practice and the science addressed		10.6
Developing & using models	Construction and/or manipulation (approach specified) of a model to address a natural phenomenon; predictions or limitations might be mentioned; comments show understanding of the practice and the science addressed		10.6
Planning & carrying out investigation	Plan to, or use of materials or instrumentation, identification of variables, &/or the collection of data in the study of a natural phenomenon; comments show understanding of the practice and the science addressed		10.6
Analyzing & interpreting data	the process of making sense of results: e.g. shows use of data tables, identifies patterns in results, and/or part of discussion of the meaning of results; comments show understanding of the practice and the science addressed		10.6
Using mathematical & computational thinking	use of graphs and/or computer to quantitatively analyze results that includes making sense of quantities and/or relationships between variables; comments show understanding of the practice and the science addressed		10.6
Constructing explanations or designing solutions	subject explaining results using science concepts available from background and evidence obtained in results (The CER process!); comments show understanding of the practice and the science addressed		10.6
Engaging in argument from evidence	debate between subject and one or more others, or subject thinks out loud about the strengths and weaknesses of a potential explanation for results specifically mentioning how evidence is involved; (meant to improve explanations) comments show understanding of the practice and the science addressed		10.6
Obtaining, eval'g & comm'g information	<i>Evaluation</i> of information <i>obtained</i> through library research, and/or presentation of results; presenting results to others in some form; comments show understanding of the practice and the science addressed		10.6
Video Design & Presentation	Video product is presented to others; brief comments made to communicate main takeaways from the completion of this project		15.2
Total			100

