**STEM Lesson Rubric**

***(DRAFT)***

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| --- | --- | --- | --- | --- |
|  | **3`** | **2** | **1** | **0** |
| **Question:** The lesson addresses an essential question that is relevant and has real-life connections | The essential question is relevant and has real-life connections and is engaging for students. | The essential question is relevant and has real-life connections but may not be engaging for students. | The essential question is either irrelevant and/or has no real-life connections for the students. | The lesson does not have a guiding question |
| **Basis:** The lesson is inquiry-based, problem-based and/or project-based | The entire lesson is built on a(n) inquiry, problem or project – based approach. | Some sections of the lesson are strongly inquiry, project or problem-based in approach. | The lesson contains some elements of inquiry, project-based or problem-based approaches. | The lesson is not inquiry, project or problem-based |
| **Standards:** The lesson incorporates some of the literacy standards for science and technology. The lesson also addresses some of the math practices, technology skills, engineering practices and/or science skills and processes. | The lesson incorporates some reading and writing literacy standards and practices /skills from all 4 STEM areas. | The lesson incorporates some reading and writing literacy standards and practices /skills from 3 of the 4 STEM areas. | The lesson poorly incorporates reading and writing literacy standards and/or only addresses 2 STEM areas. | The lesson does not incorporate any activities which would help students master the literacy standards and/or the lesson only addresses one area of STEM. |
| **5E:** The lesson utilizes the 5 E approach to instruction | The lesson uses the 5E approach appropriately and well. | The lesson uses the 5E approach, but one or more aspects is a little weak (e.g. the engagement portion is not really engaging) | The lesson uses some aspects of the 5 E but is missing others. | The lesson is not 5E based |
| **Content:** There is a clear connection to one or more learning goals or standards within the content. | The lesson addresses a content standard and will help students advance their understanding of the content. | -------- | ------- | The lesson is an add-on lesson and does not directly address content appropriate objectives. |