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| **Rubric for Unit 3, Activity 2: Lesson Plan and Student Handout** | | | | |
| Descriptive **title** of lesson or description of the lesson. | Missing - 0 | Title is not descriptive enough to demonstrate content of lesson - 1 | Title clearly describes content or nature of lesson - 2 |  |
| Statement/listing of the **standards**, key ideas, and specific understandings in Earth science and either biology, chemistry, or physics from your state's curricula or the Earth Science Literacy Principles or Next Generation Science Standards addressed by lesson. | Missing - 0 | Some standards are listed, but listing is not comprehensive - 2 | Thorough or complete listing of standards addressed by lesson - 3 |  |
| Complete **reference** for the original of the lesson. | Missing - 0 | Source is listed, but URL is not included - 1 | Source and URL are listed - 2 |  |
| **Outline** of the lesson (Note: Standard types of lesson plans (e.g., 5E or 7E) are preferred. | Missing - 0 | Outline is incomplete or parts are assigned to an incorrect “E” – 1 | Outline is complete but lacks detail - 3 | Outline is complete, detailed and well done - 5 |
| Describe **the methods of geoscience** that the students will use during the lesson. | Missing - 0 | Some methods are listed, but not described or listing is not comprehensive - 1 | Thorough or complete discussion of methods addressed by lesson - 2 |  |
| Explicit statement of how the lesson addresses one or more **societal concerns** or is **interdisciplinary.** | Missing - 0 | Concepts from Earth science and another science are listed but linkages are not described - 1 | Concepts from Earth science and another science are listed and linkages are described in detail - 2 |  |
| List of what level or levels or **Bloom's Taxonomy** is/are accessed. | Missing - 0 | Some taxonomic levels are listed, but listing is not comprehensive - 1 | Thorough or complete listing of taxonomic levels addressed by lesson - 2 |  |
| A description of how student understanding will be **assessed** (e.g., rubric) (How will you know that the students learned what you wanted them to learn?). | Missing - 0 | Assessment is incomplete - 1 | All intended student learning outcomes are addressed - 2 |  |
| A **handout** or instructions that the students will receive. | Missing - 0 | Student handout is incomplete, poorly organized or contains grammatical/typographical errors - 1 | Student handout is complete, but poorly organized or well organized but incomplete or contains grammatical/typographical errors – 3 | Student handout is complete, well organized and free of errors – 5 |
| If you ask specific questions in the class handout, provide a list of appropriate **answers** in the lesson plan. | Missing - 0 | Listing is included if applicable - 1 |  |  |
| A list of **equipment/materials** that are needed for the lesson, including quantities of each. | Missing - 0 | Materials list is incomplete – some items are missing or quantities are not specified - 1 | Materials list is complete and quantities of each item are specified according to number of students or number of student working groups - 2 | |
| An estimate of the **preparation time** required for the lesson (including gathering of materials). | Missing - 0 | Estimate includes either gathering of materials or set up but not both - 1 | Estimate includes gathering materials and set up time - 2 | |
| A discussion of **safety** issues (if any) that must be considered when students are engaged in the activity. | Missing - 0 | Some safety concerns and potential hazards are discussed but list is incomplete or appropriate precautions are not addressed - 1 | All safety concerns and potential hazards are discussed and appropriate precautions are addressed - 2 |  |
| **Name:** | |  | **TOTAL: \_\_\_\_\_/32** | |
| **Comments:** | | | | |