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|  **STEM Iron Teacher Lesson Plan****Walking Trail Contest Rubric**Teacher Name:Student Name(s):     \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| CATEGORY | **Distinguished** | **Proficient** | **Apprentice** | **Novice** |
| **Walking Trail Design** | All criteria met for the design of the walking trail and is exceptionally creative in layout and design.  | All criteria are met for walking trail has a very good layout and design. | Missing one key component of required criteria. | Missing one or more key components of required criteria. |
| **Scale Factor Calculations** | All scale factors calculations determined with at least 90% accuracy. | All scale factors calculations determined with at least 80% accuracy. | All scale factors calculations determined with 70% accuracy. | All scale factors calculations determined below 70% accuracy. |
| **Calculations utilizing d=rt** | All calculations utilizing d=rt equation are determined with at least 90% accuracy. | All calculations utilizing d=rt equation are determined with at least 80% accuracy. | All calculations utilizing d=rt equation are determined with at least 70% accuracy. | All calculations utilizing d=rt equation are determined below 70% accuracy. |
| **Human Impact Understanding** | Students can list and explain at least 3 ways humans can negatively impact the environment. | Students can list and explain at least 2 ways humans can negatively impact the environment. | Students can list and explain at least 1 way humans can negatively impact the environment. | Students cannot list and explain ways humans can negatively impact the environment. |