Teacher Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- |
| Connection to standards/Curriculum | Math:  Language Arts:   * Treasure Time connection:   Science:  Social Studies: |

**Your STEM day should follow the 5 E Model. Below is a chart that describes each E.**

|  |  |
| --- | --- |
|  | **Description** |
| **Engagement** | * Teacher or student poses a real world problem, challenge, complex question, or global issue that relates to the content standards to be address in the lesson. * Students brainstorm potential solutions or explanations. |
| **Exploration** | Students   * explore and make connections between science, technology, engineering, and mathematics. * select and apply the appropriate systematic approaches to answer complex questions, to investigate global issues, and to develop solutions for challenges and for real world problems. |
| **Explanation** | Students   * analyze and interpret data. * communicate understandings and possible solutions. * use technology appropriately for analysis and communication. |
| **Elaboration / Extension** | Students   * refine solutions, prototypes, and/or models. * modify experimental procedures for further exploration. * identify and analyze connections to STEM careers. |
| **Evaluation** | Students   * reflect on their answers or solutions to the complex question, issue, challenge or problem. * participate in peer reviews. * demonstrate understanding through performance-based tasks. |

You can use any content material to cover the 5 E model. For instance, during the explanation stage students could read more about the topic you are exploring and use the information when expressing their understanding.

|  |  |
| --- | --- |
|  | **Overall Theme:** |
| **Engagement** |  |
| **Exploration** |  |
| **Explanation** |  |
| **Elaboration/**  **Extension** |  |
| **Evaluation** |  |