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

|  |  |
| --- | --- |
| 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** |  |