**NGSS Lesson Planning Template**

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| Grade: | Topic: | Lesson Title: |
| Brief Lesson Description: |
| Performance Expectation(s): |
| Specific Learning Outcomes: |
| Cross-Curricular Connections: ELA/Math |
| Background Information |
| Prior Student Knowledge: |
| Science and Engineering Practices: | Disciplinary Core Ideas: | Crosscutting Concepts: |
| Possible Preconceptions/Misconceptions: |
| LESSON PLAN: 5 E Model |
| ENGAGE: Opening Activity- Access Prior Learning/ Stimulate Interest/ Generate Inquiry QuestionsStudent Lab:Materials:Procedures: |
| EXPLORE: Lesson Description- Materials Needed/ Probing or Clarifying Questions |
| EXPLAIN: Concepts Explained and Vocabulary DefinedAcademic and Content Specific Vocabulary: |
| ELABORATE: Applications and Extensions |
| EVALUATE:Informal Assessments and Monitoring:Formal Assessments and Monitoring:Summative Assessments (Quiz/Project/Test/Report): |
| Further Differentiation: Elaboration/Reflection/Enrichment |

**Materials Required for This Lesson/Activity**

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| **Quantity** | **Description** | **Source/Supplier** | **Estimated Cost** |
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