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| **LESSON OVERVIEW:** |
| **Teacher:**  | **Date:** |
| **Lesson #:** | **Title of Lesson (focusing question):**  |
| **Other Key Information:** |
| **Course/Grade Level:** |

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| **TARGETED LEARNING STANDARDS:** |
| **State Learning Standards** | Which specific state learning standard(s) will guide this lesson? Include the notation(s) and corresponding text. |
| **National Learning Standards** | Which specific national learning standard(s) will guide this lesson? Include the notation(s) and corresponding text. |

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| **GOALS AND OBJECTIVE(S) FOR THIS LESSON:** |
| **Instructional Goal(s)** | What are your overarching goal(s) for students’ learning in this lesson? |
| **Content Objectives** | What are the key terms and concepts students are to learn as a result of instruction? |
| **Psychomotor Skill Objectives** | What critical thinking and performance skills will students be developing during instruction? |
| **Attitudinal Objectives** | How will students be connecting to instruction in meaningful ways that helps to build their character as a learner? |

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| **PERFORMANCE ASSESSMENTS:** |
| **Formative Assessment(s)** | How will you formatively assess student learning of each objective listed above? Content:Skills:Attitudes: |
| **Summative Assessment(s)** | How will you will summatively assess student learning of each objectives listed above?Content:Skills:Attitudes: |

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| **PREREQUISITE SKILLS AND RELATED KNOWLEDGE:** |
| **Possible misconceptions and conceptual difficulties** | What possible misconceptions and conceptual difficulties do you anticipate students might experience related to the content and/or concepts of this lesson? |
| **Math concepts students will need to use** | Which mathematics concepts will students need to be able to apply to learn the science content and/or concepts of this lesson? |

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| **MATERIALS, TEXTS, AND TECHNOLOGY RESOURCES:** |
| **Materials** | What physical materials are needed for instruction and learning? |
| **Texts**  | What texts will be used for instruction and learning? |
| **Technology Resources** | What technology-based resources will be used for instruction and learning? |

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| ***ATTENTION TO LANGUAGE DEVELOPMENT:*** |
| **Academic Language**  | How will students use language to engage with and articulate understanding of new concepts during instruction? |

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| ***ATTENTION TO THE NEEDS OF DIVERSE STUDENTS:***  *List specific strategies to support all students.* |
| What specific strategies, modifications, and/or accommodations will you implement to support the learning of all students? |
| **ELLs** |  |
| **Gifted/Advanced Learners** |  |
| **Struggling Students** |  |
| **Students with IEPs** |  |
| **Additional Needs** |  |
| **Culturally Relevant Perspectives** |  |

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| **INSTRUCTIONAL AND LEARNING SEQUENCE:** |
| **Connect to Prior Knowledge:**  | How will students show their initial understanding of the concepts under consideration including misconceptions, incomplete understanding, and notable conceptual difficulties? (e.g., science talks, concept maps, KWL charts) |
| **Engagement and Exploration** | How are students first coming to explore the concepts under consideration in a hands-on, problem-solving manner, in which the students themselves are performing authentic and meaningful investigations? |
| **Explanation** | How are students coming to understand key terms and concepts by 1) considering, through discussion and writing, the results of their recent investigations; 2) performing any required analysis and communicating outcomes; 3) reading and discussing text that clearly portrays new concepts at an appropriate level; 4) performing further related investigations; 5) interacting with technological resources; and 6) reading additional appropriately connected literature? |
| **Elaboration** | How are students re-engaging with the concepts under consideration in a hands-on, problem-solving manner at a slightly higher level of abstraction, focusing on the application and usefulness of the new ideas? How does this second investigation again involve the students in performing authentic and meaningful investigations? |

*Complete the following section after teaching the lesson. Take into consideration your own thoughts and observations, feedback you receive from your cooperating teacher, and outcomes of assessment.*

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| **REFLECTIONS AND ANALYSIS OF THE LESSON AND STUDENT LEARNING:** |
| **1. To what extent were students able to achieve the goals and objectives of your lesson? Explain.** |
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| **2. How did you change your planned instruction as the lesson was actually taught? Explain.** |
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| **3. What did you learn from your reflections and your cooperating teacher’s feedback that you will take into consideration in the future?** |
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| **4. What thoughts, goals and questions do you have as a result of teaching this lesson?** |
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| **5. How have students demonstrated their ability to use academic language to engage with and demonstrate understandings of new concepts?** |
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January 2017