

Science Learning Activities and Assessments with Integrated Literacy Development

Topic: _____ BIG QUESTION/INQUIRY: _____

KEY ACADEMIC VOCABULARY (CCSSR4) _____

NGSS Cross-Cutting Concept: __cause-effect; __structure and function; __systems; __stability and change; __patterns __

NGSS Science Practice: __investigate __analyze/interpret data __collect, communicate information __

This week's READING: _____

Read closely, answer questions with **EVIDENCE** (CCSSR1); **Summarize, identify central idea, supporting ideas** (CCSSR2);

Use structure of text to identify ideas, locate information (CCSSR5) __**Integrate information, ideas** from different sources (CCSSR7)

This week's DEMONSTRATION OR EXPERIMENT: _____

<i>PREVIEW, Model, Interest</i> EXPLORE	<i>Model and Guide</i> EXPERIMENT	<i>Guide and Go Farther</i> EXAMINE	<i>Assess, Clarify, Advance</i> EXPLAIN	<i>Fix, Expand, Finish Well</i> EXPAND
<p><i>I DO</i> > INTRODUCE THE INQUIRY</p> <p><i>WE DO:</i> Observe a demonstration, make hypotheses</p> <p><i>YOU DO</i> __Locate, list important information __Support hypothesis</p> <p><i>Check for Understanding:</i> __start glossary __write learning summary __Pair/Compare</p>	<p><i>I DO</i> Model how to _____</p> <p><i>WE DO:</i> __Collect information __Experiment; observe</p> <p><i>YOU DO</i> Read to learn more __read independently or with partner to locate information</p> <p><i>Check for Understanding:</i> __write learning summary __continue glossary __Pair/Compare</p>	<p><i>I DO</i> Use graphic organizer to show how to add information from reading and organize ideas and information about a topic.</p> <p><i>WE DO:</i> __Collect information from reading/research __Organize information __Analyze information</p> <p><i>YOU DO</i> __complete graphic organizer __make up questions, exchange</p> <p><i>Check for Understanding:</i> __learning summary __complete glossary __Pair/Compare</p>	<p>Formative Assessment</p> <p>YOU DO independently __write their answer to the big question, citing evidence from reading and experiment __list content for response to BIG question</p> <p><i>I DO</i> clarify based on assessment. __Students demonstrate how they completed the assessment __Outline a report on the inquiry</p> <p><i>Check for Understanding:</i> __use glossary to write __Pair/Compare</p>	<p><i>I DO/WE DO</i> Guide students needing support— __make outline with students they then follow to organize information __use graphic organizer to clarify ideas and relevant information</p> <p>You Do: ADVANCED Students who “meet” move to “exceed” __write booklet about topic __make display about the topic __make presentation</p> <p>CLASS SYNTHESIS: What did we learn about how to learn science? What ideas did we learn?</p>