

Region 15 DRAFT Pre-Observation Form

Teacher's Name R. Sobinson Evaluator Trunchbull Room # 229 Course Science

Observation Date 4/1/08 Observation Time 2:00 Grade Level 5

Pre-Conference Date: 3/28/08 Post Conference Date: 4/4/08

Lesson (Include unit and lesson # if available): Moon Phases from the Atmosphere and Solar System Unit

This form can be submitted one of two ways:

1. *without a lesson plan and with all items 1-7 completed below, or,*
2. *with a lesson plan attached. Any * items below that are included in the lesson plan do not need to be repeated on this form. Check each * item that is included within the lesson plan.*

* _____	<p>1. What enduring understandings, focus questions or essential questions from your curriculum guide will be addressed within this lesson? (State standards if guide is not complete.)</p> <p>Enduring Understandings Scientists use their senses to investigate the world around them. Scientists conduct investigations using a common process. Planets orbit the sun in predictable motion. Satellites orbit planets.</p> <p>Focus questions: 5c. How does the moon's orbit change its appearance in the sky? 5d. What are the different phases of the moon?</p> <p>Students will be engaged in the enduring understandings for this unit because this lesson will help them identify why the moon appears to look different each night and what the different phases look like.</p>
* _____	<p>2. What is the objective of this lesson? What do you want the students to learn?</p> <ul style="list-style-type: none"> o Students will understand that the moon goes through different phases during the month. o Students will determine that the phases and changes are due to the moon's place in the sky in relation to the earth and sun.
* _____	<p>3. Where does this lesson fit within your unit; new content, review, or a diagnostic lesson?</p> <p>The information in this lesson will introduce students to this new unit on the moon. Students will be using guided discovery to determine the phases of the moon and will use that information to help them synthesize the rest of the information from this unit. At some point in the unit we will revisit this lesson so that students may attempt the lesson again once they have more of an understanding about the moon.</p>
* _____	<p>4. What activities will you expect students to do? (If applicable, please attach copies of any handouts students will use.) How will you differentiate?</p> <p>See attached activity with directions for the moon phases' lesson. The activity involves students working with a partner to determine the phases of the moon.</p> <p>Drawing aides (e.g. lines to guide labeling and circles to specify location for shadings) will be provided for students who need additional support with their observational sketches. Students who need more of a challenge will have to identify and draw all 8 phases of the moon on their own and students who need more assistance can draw and identify only the four main phases (full, half, 1st quarter and 3rd quarter).</p>
	<p>5. How is the lesson structured so that students have frequent opportunities to engage in the content at their appropriate level of learning?</p> <p>The lesson is structured so that students have frequent opportunities to engage in the content at their appropriate level of learning in part due to the differentiation as outlined in Question 3. Students will also work with peers to complete the lesson and partnerships will be structured in a variety of ways to meet the needs of the students.</p>
* _____	<p>6. How will you assess student learning? How will you know if students mastered your objectives?</p> <p>Student learning will be assessed in a variety of ways:</p> <ul style="list-style-type: none"> o Students will use their understanding of moon phases to complete a Lunar Journal over the course of one month. o Student will complete a homework assignment on which they will draw diagrams of each moon phase. o Students will answer a short answer question as stated in the Region #15 Curriculum book, which involves explicitly explaining the moon phases and why we see them.
	<p>7. What specific feedback would you like?</p> <ul style="list-style-type: none"> o Please watch Joe's behavior throughout the lesson to see if he is staying on task. o Please provide feedback about the clarity of the concept being taught.