**Lesson Plan Template**

**Name: \_\_103\_\_\_\_\_\_\_ Course: \_\_\_\_\_\_\_Algebra 2\_\_\_\_ Grade: \_\_9-12**

**Unit: \_\_\_\_\_\_\_\_\_\_Inequalitites\_\_\_\_\_\_\_\_\_**

**Big Idea: \_\_\_** Equations and inequalities can be solved similarly, using the properties real numbers.

**Subconcept: \_** Inequalites are solved by using the properties of real numbers.

**\_\_\_** **Literacy Strategy(s): \_\_\_** Anticipation guide, class discussion, learning log

**Lesson: \_\_\_\_\_Inequalities\_\_\_\_\_\_\_\_\_ Date Taught: \_\_\_\_\_\_9/20/08\_\_\_\_\_\_**

**Learning Objective(s):**

* **Students will be able to \_\_solve inequalities using properties of real numbers.\_\_\_\_\_\_\_\_\_\_\_\_**
* **Idaho Standards (or National Standards if no Idaho Standards exist): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Detailed Description of Lesson:**

**Have s**tudents complete Anticipation Guide: Solving and Graphing Inequalities

**Read pg. 26**

**Discuss** anticipation guide. Small groups first and then large group discussion.

**Solving inequalities:**

**Learning Log 5**

Write a summary describing how solving inequalities is similar and different from solving equalities. Include information about the solutions to both types of problems. Give examples to support your claims of similarities and differences.

**Review** <, >, 

Graphing example:





Open circle does NOT include the number

Closed circle includes the numbers

**Whiteboard** Practice

Have students first tell you the answer, then show the graph.

**Examples**

1. 

2. 

3. 

4. 

5. 

6. 

7. 

8. 

9. 

**Assignment pg**  29 #1-13

H**andouts:**

**Anticipation Guide: Solving and Graphing Inequalities**

**Before Reading:** Decide whether the statements below are true or false. In the space to the left of each statement, mark T or F. You must make a decision. Do not leave any blank.

**During or After Reading:** Cross through and change any responses you now believe to be different. Use the space under each statement to note the location of text where you have found information to support your thinking. Be ready to prove your interpretation.

\_\_\_\_1. There is only one solution to a linear inequality problem.

\_\_\_\_2. -4 is a solution to the linear inequality .

\_\_\_\_3. If  then .

\_\_\_\_4. The graph below represents the linear inequality 

\_\_\_\_5.  and represent the same linear inequality.

\_\_\_\_6. Solving linear inequality problems is exactly the same as solving linear equalities.

\_\_\_\_7. If then .

**LIMSST Project Literacy Lesson Reflection Form**

**Name: \_\_\_\_\_\_ Date lesson was taught: \_\_9/15/08\_\_**

**Lesson Title/Topic Areas:**

Inequalties

**Literacy Strategies Used:**

(Please discuss what literacy strategies you embedded in this lesson. What were your goals in using these strategies?)

Anticipation guide: to help students read with purpose and also to discover what they do and don't know about the topic.

Learning log: to have students really think about and understand the similarities and differences of equalities and inequalities

**Student Response to the Lesson:**

(Was the strategy effective? Were students able to read/write as needed in this lesson? What attitudes were displayed? How did specific

 students and/or the class do? How did the literacy strategy aid in developing student understanding of the topic? Cite specific evidence from the samples of student work)

This strategy was very effective. Students were able to learn from reading the text and prior knowledge, whether correct or incorrect. Students are find with the reading and writing

I think that this strategy really helped the students focus on what they were reading and also helped them to understand the conepts.

I think the learning log went well. It really helps me to see who understands the concepts and who is still struggling to grasp.

**Lesson Reflection:**

(What worked well with this lesson? What challenges did you encounter in this lesson? Would you change certain aspects of the lesson or the questions that you asked? How does this influence future lesson planning?)

I think that this lesson went really well. There weren't really any challenges other than time since students were familiar with the anticipation guide and learning log format.

I wouldn't change anyting.

**Relationship to Previous Instruction:**

(Have you taught this lesson/topic prior to the LIMSST project? If so, how did your teaching of this lesson differ from what you taught before? How did students’ reactions to this lesson differ?)

I have not taught this lesson before. I have never taught this class before so I have no comparison.