

Mathematics Lesson Plan Format, Fall 2008

Teacher's name: Jackie Milam **Date:** _____
Subject: Pre-Algebra 7 **Grade Level:** 7th **Topic:** Introduction to Integers

Essential Questions/Big Ideas:

What are practical ways to think about negative numbers?
When in life will negatives be used?

Learning Objectives:

NCTM standard – Number and Operations – Instructional programs from prekindergarten through grade 12 should enable all students to understand numbers, ways of presenting numbers, relationships among numbers, and number systems

SoL 7.5 - The student will formulate rules for and solve practical problems involving basic operations (addition, subtraction, multiplication, and division) with integers.

As a result of this lesson, students will:

- **Understand that...**
 - negative numbers exist in everyday life
- **Know...**
 - integers
 - absolute value
- **Be able to do (Bloom's)...**
 - compare/order integers (apply) [NCTM Numbers and Operations Standard]
 - find absolute value (knowledge)
 - translate statement into an integer (comprehension)

Student and Teacher Activities with Estimated Time Blocks:

Time	Teacher	Students
15 minutes (HOOK)	→Give each student a card with a temperature (positive and negative) on it. Have them figure out the hottest and coldest and line up from least to greatest. (Then have them place their cards on a number line, so they can sit down and visualize the entire thing.) →Have a discussion on why people placed them as	Receive temperature card and get in order and hang card on number line – then explain why they placed their card where they did Participate in discussion