Spring Forward, Fall Back: What Time Is It?
Students learn about the world’s time zones.

Author
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Grade Level
6-8
Duration
2 class periods

National Geography Standards
ELEMENT FIVE: PLACE AND REGIONS
5. People create regions to interpret Earth’s complexity.

Arizona Geography Standards
CONCEPT 1
World in Spatial Terms
GRADE 6, 7, and 8
PO 3 Interpret maps, charts and geographic databases using geographic information.

Arizona Math Standards
STRAND 1 Number Sense and Operations
CONCEPT 2 Numerical Operations
GRADE 6
PO 1 Select the grade level appropriate operation to solve word problems.
PO 2 Solve word problems using grade level appropriate operations and numbers.
GRADE 7
PO 1 Add integers.
PO 2 Subtract integers.
GRADE 8
PO 6 Apply grade level appropriate properties to assist in computation.

Overview
Students know that different places in the world have different times, but they may not understand how time zones work. Students may know that the time in other regions can be later or earlier than their own time. By understanding how time zones work, they will have a better grasp of the world in which we live.

Purpose
In this lesson, students will learn to use a time zone map to calculate the time in various places in the world.

Materials
- Standard Time Zones of the World map (transparency and student copies)
- Background Information on Time Zones
- Student Practice Sheet and Answer Key

Objectives
The student will be able to:
1. Calculate the time in various world locations using a time zone map.

Procedures
SESSION ONE
1. Ask the students if they have ever called someone and found that they were asleep or the business was not open because it was too early or too late for office hours. Discuss how they would feel if they were called and awakened or how they would feel if you wasted money on a phone call only to not reach anyone.
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2. Then have the students read orally and discuss the Background Information on Time Zones section of the Student Practice Sheet.

3. The student will complete the practice section of the Student Practice Sheet.

4. The teacher and students will go over the answers on the Student Practice Sheet to ensure concepts are understood.

SESSION TWO
1. The student will complete the Student Assessment.

Assessment
Students will answer ten questions on time zones. Mastery for geography is 4 or more questions correct on questions 1-5. Mastery for math is 4 or more questions correct on questions 6-10.

Extensions
Using airline schedules and time zone maps, students could figure how long it takes to travel to various places.

Read the book, *Nine O’clock Lullaby* by Marilyn Singer, to students before, during, or after the lesson. It discusses time zones, and provides a good introduction, example, and reinforcement for the lesson. ISBN 0-064433196