



Gold Seal Lesson

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Grade Span			ICLE Application Model			
K-4 XX	5-8	9-12	A	B	C XX	D

Instructional Focus:

Speaking – Students speak for a variety of purposes and audiences with sophistication and complexity appropriate to the grade level.

Listening – Students listen for a variety of purposes appropriate to the grade level.

Number Operation and Concepts – Students use number, number sense, and number relationships in a problem-solving situation. Students communicate the reasoning used in solving these problems.

Problem Solving and Mathematical Reasoning - Students apply a variety of problem-solving strategies to investigate and solve problems from across the curriculum as well as from practical applications.

Performance Task

This lesson acquaints students with money, reading prices on products, and determining if they have enough money to purchase the product.

1. You will need empty boxes and cans of various products. Using stickers as price tags, assign a price to each item. Set up a classroom store displaying these products in a set area of the room.
2. Allow students time to look over the products and to practice reading the price tags.
3. Review with the students the different categories of money. Have students identify pennies, nickels, dimes, quarters, ones, fives, and tens.
4. Using play money, allow students to "shop" at the classroom store. Each student should be given the same amount of money.
5. A "cashier" should be assigned. (each student should have a turn.) Students should practice making change for items purchased.
6. Give students several problems to solve using products from the store as illustrations. For example: A pencil costs 29 cents. What combinations of money would you use to pay for this? (answers: a quarter and 4 pennies; 2 dimes, a nickel and 4 pennies, etc.)

This activity meets specific competencies and indicators as outlined in the National Career Development Guidelines.

ICLE Essential Skills

Follow oral or written directions. (ela 4)

Use brainstorming, role playing, and standard problem solving strategies to define a problem and suggest solutions. (ela 19)

Participate, sometimes leading, in group meetings by contributing, taking turns speaking, and working toward a common goal. (ela 20)

Gather information such as data, facts, ideas, concepts, and generalizations from oral sources. (ela 51)

Perform operations with signed (positive and negative) numbers, including decimals, ratios, percents, and fractions. (m 1)

Know how to determine combinations (i.e., the various grouping a set may be arranged in without regard to order. (m 43)

Scoring Guide:

- 4** The student:
- selects and applies appropriate mathematical procedures and makes no mathematical errors;
 - explores alternate solutions or uses additional approaches.
- 3** The student:
- completes all parts of task;
 - correctly selects and applies mathematical processes with minor errors;
 - uses basic mathematical ideas and procedures appropriately.
- 2** The student:
- incompletely selects and applies appropriate mathematical procedures;
 - makes some errors in mathematical processes.
- 1** The student:
- Lacks understanding of process and/or uses inappropriate procedures.
- 0** The student:
- makes no attempt or provides an off-topic response.

Keywords

English Language Arts	Mathematics	Science
Reading	Algebra Manipulatives Computation Math in daily life Problem solving Math in daily life	Earth Science
Writing	Geometry	Life Science
Communications Listening Discussion Role play	Statistics	Chemistry
Literature	Calculus	Physics
Other	Trigonometry	Other
	Other	