



Gold Seal Lesson

Author(s): Marsha Kucker			Lesson Title: Circle of Cooperation			
Grade Span			ICLE Application Model			
K-4 x	5-8	9-12	A	B	C	D x

Instructional Focus:

Listening –

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

Speaking –

Students speak for a variety of purposes and audiences with sophistication and complexity 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

All through our lives we have to learn to get along with all kinds of people, even people we don't like. This lesson focuses on this issue.

1. Before the lesson have strips of paper cut in four to ten different colors. Level each strip with a letter and a number. Your goal is to divide the class into four to six groups.

Group A	Group B	Group C	Group D	Group E	Group F
red 1a	yellow 1b	green 1c	blue 1d	red 1e	yellow 1f
blue 2a	blue 2b	blue 2c	yellow 2d	blue 2e	blue 2f
green 3a	red 3b	yellow 3c	green 3d	green 3e	red 3f
yellow 4a	green 4b	red 4c	red 4d	yellow 4e	green 4f

2. Explain to the class that they each have to find the other members in their group and make their chain. Also, the chain should be in numerical order. The group will be judged on their finished product, so it is very important for team members to find each other and cooperate while completing their chain.
3. Collect the chains when each group is finished.
4. Ask each group to explain how they were or were not able to get along to complete the task.
5. As you are talking, slowly take each chain and add a strip to connect it to the next one until they form a circle. While doing this, ask them questions such as:
 - Did you ever have to sit next to someone you didn't like? What happened?
 - How can you get along with other boys and girls you don't like?
 - Do adults have to get along with people they don't care for?
6. Show them the finished circle. Relate that circle to their class. Everyone is different but we are a class, a team, a family and we will get along with each other.
7. Re-cap the lesson, challenge them to use what they've learned.

ICLE Essential Skills

Follow oral or written directions. (ela4)
Use brainstorming, role playing, and standard problem solving strategies to define a problem and suggest solutions. (ela19)
Participate, sometimes leading, in group meetings by contributing, taking turns speaking, and working toward a common goal. (ela20)
Gather information such as data, facts, ideas, concepts, and generalizations from oral sources. (ela51)
Understand basic algebraic properties (i.e., commutative: $ab=ba$; associative: $ab(c) = a(bc)$; and distributive: $a(b+c) = (ab) + (ac)$). (math3)
Use direct proof and indirect proof sequencing techniques to reach a conclusion. Direct proof uses the Laws of Reasoning to create an orderly arrangement of steps leading to a conclusion. Indirect proof uses an initial assumption that the conclusion is false, and through a series of logically sound reasoning steps the statement may be proved otherwise. (math32)

Scoring Guide:

See attachment: Circle of Cooperation Scoring Rubric.

Keywords

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

**Circle of Cooperation
Scoring Rubric**

Expectations	Exceeds	Meets	Approaches	Needs More Work
Follows Direction				
Stayed Focused on Task				
Takes Turns				
Listens to Others				
Group Participation				