

# ADVANCED LEARNING LABS

Collaboration between NC Department of Public Instruction and AIG Teachers across the state

TO ENGAGE, ACTIVATE, AND GROW OUR STUDENTS

GRADES

K-1

## Conflict



### ENGLISH LANGUAGE ARTS

Sometimes people disagree or have problems getting along. This is called a conflict.

In *Click Clack Moo Cows That Type*, Farmer Brown has a conflict with his cows. Listen to the story: <https://www.youtube.com/watch?v=ZYD8WRJTFRY>

- What was the conflict between Farmer Brown and his cows?
- How did they solve it?

Pretend two friends are having a disagreement. Write or draw some steps they could follow to help them solve their conflict. What advice would you give people who are having a problem?



### SOCIAL STUDIES

Sometimes we can anticipate and avoid conflict, and other times we need to solve a disagreement. It takes practice to learn how to successfully resolve conflict. Think through what you might do in these scenarios:

- A classmate takes your crayons without asking and you take them back which causes the classmate to yell at you. How might you resolve this conflict?
- Your teacher has only one jump rope for recess, but three friends want to play with it. What plan could you make to avoid a conflict?

Write your own scenario and determine two possible outcomes for what might happen next. Which one do you feel is the best solution? How did your beliefs impact your thinking?



### SCIENCE

Ice and Water Battle!

Ice and water are the same substance in different states. Some environments melt ice into water faster than others. Do you think ice will melt faster in freshwater or saltwater? Test your hypothesis (prediction) in this experiment:

1. Fill two glasses with cold water.
2. In one glass, stir in 3 tablespoons of salt until dissolved.
3. Put the same size ice cube in each glass.
4. Record how long it takes each ice cube to melt.
5. Describe your observations in your science notebook. Use words and drawings. Include descriptions of the ice and water and answers to the following questions:
  - What did you discover by doing this experiment? Was your hypothesis correct?
  - How can you apply this learning to thinking about ice on our planet?
  - Is there a conflict between ice and water?



### MINDFULNESS

Conflict causes emotions that can “bump you out of your zone.” When we are conflicted, we may not be our best selves. Focus is hard when you are out of your zone. Practice these strategies to use the next time you get bumped out of your zone:

- Look around and find 5 things that are one color.
- Slowly swallow a drink of water and notice how it feels as it moves from your mouth to your throat.
- Push against a wall with both of your hands.
- Take a slow walk and notice your feet moving from heel to toe with each step.
- Find an object to hold. Notice how it feels in your hands. Is it smooth or rough? Warm or cold? Hard or soft?
- Count to 10 slowly while you take deep, slow breaths.



## LOGIC PUZZLE

Try to arrange 3 circles, 3 triangles, and 3 squares in the grid so that there is only one of each shape in each row (across) and in each column (up and down)?

Tip: Draw the shapes and cut them out, so you can easily move them around until you solve the puzzle!

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |



## FIELD STUDIES

Water fight!

Watch this video to learn about how the scarcity of fresh water can lead to conflict: <https://www.youtube.com/watch?v=4b2kdcEuWr4>

After you watch the video, reflect on water scarcity.

- What ideas do you have for people to conserve and use fresh water?
- Ask your parents if they remember a time they had to conserve water. What was that like?
- What steps can you take every day to use less water?

Make a poster public service announcement that urges people to conserve water and gives them ideas for saving water.



## RESEARCH EXPLORATIONS

Have you ever touched someone and felt a little zap? This is static electricity. This is also what causes a thunderstorm. Research the science behind static electricity, thunder, and lightning by watching this video: [https://www.youtube.com/watch?v=fEiVi9TB\\_RQ](https://www.youtube.com/watch?v=fEiVi9TB_RQ)

Now, create some static electricity!

In sock feet, rub your feet all over a carpet in your home. Don't pick them up, leave them flat and rub! Touch something metal in your house. You will feel the static. If it is dark, you might see the static spark! *OR*

Blow up a balloon. Rub it all over your head. Slowly move the balloon away from your head. What happens?

Record your findings using words or diagrams in your science notebook.



## MATH

Play the card game **War** with another person.

1. Deal an entire deck of cards face down to two players.
2. Players flip over a card at the same time. The higher value wins both cards.
3. If the same value is flipped, it is **War!** Both players place two cards face down and one card face up. Continue until the players' top cards are different. Whoever has the highest card, wins all the cards.
4. When you run out of cards, shuffle them and continue playing.
5. The game is over when one person has acquired all the cards or when you end it. Whoever has the most cards wins.

Write a greater than/less than statement for the end of the game using the symbols  $<$ ,  $>$ , or  $=$ . If I won all the cards I would write  $56 > 0$ .

Try adapting the game so it can be played with more than two people.

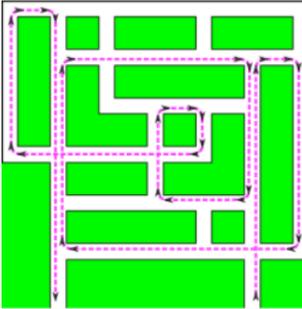


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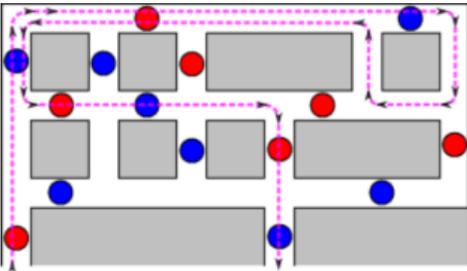


## Conflict Reference Guide

### **2-3 Logic Puzzle:**



### **4-5 Logic Puzzle:**



### **6-7 Logic Puzzle:**

Solution: You ask "In which of those two directions do you live?"

A Citizen of the City of Lies will point to the City of Truth

A Citizen of the City of Truth will point to the City of Truth

### **8-9 Logic Puzzle:**

Answer: Take the chicken, then the fox. Bring the chicken back and take the grain. Then go back and get the chicken.

### **10-12 Logic Puzzle:**

Solution: First, the farmer takes the goat across. The farmer returns alone and then takes the wolf across, but returns with the goat. Then the farmer takes the cabbage across, leaving it with the wolf and returning alone to get the goat.

### **10-12 Math:**

| Family | Cannot shop with |
|--------|------------------|
| Q      | R STW            |
| R      | Q STU            |
| S      | Q RTWU           |
| T      | Q R S UV         |
| U      | R ST             |
| V      | ST               |
| W      | Q S              |

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**K-12**

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### NC Standards Alignment

| Grade Span   | English/<br>Language Arts | Social Studies                                     | Science              | Math                                |
|--------------|---------------------------|--|----------------------|-------------------------------------|
| <b>K-1</b>   | RL.1.3<br>W.K.2           | 1.C&G.1.3<br><b>1 B.1.4</b>                        | 1.E.2.1              | NC.K.CC.7<br>NC.1.NBT.3             |
| <b>2-3</b>   | RI.3.9                    | 3.C &G.2.3<br><b>3.I.1.2, 3.I.1.4</b>              | 2.L.1.1              | NC.1.OA.4<br>NC.2.NBT.5             |
| <b>4-5</b>   | RI.5.6                    | 5.G.1.2<br><b>5.G.1.1</b>                          | 4.L.1.4              | NC.4.NBT.5<br>NC.4.NBT.6            |
| <b>6-7</b>   | W.7.1                     | 6.H.1.2<br>7.H.1.3<br><b>6.H.1</b><br><b>7.H.1</b> | 7.E.1.4              | NC.6.SP.4<br>NC.7.RP.3<br>NC.7.SP.4 |
| <b>8-9</b>   | W.8.1                     | 8.H.3.1<br><b>8.G.1.4</b>                          | 8.P.2.2              | NC.M1.F-LE.5<br>NC.8.EE.7           |
| <b>10-12</b> | 11-12.3d                  | SL.11-12.5<br><b>AH1.H.4</b>                       | 9.NPA.2.3<br>ITSE 4a | DCS.GT.2.3                          |