

# ADVANCED LEARNING LABS

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

TO ENGAGE, ACTIVATE, AND GROW OUR STUDENTS

GRADES  
10-12

## Conflict



### ENGLISH LANGUAGE ARTS

The five most common conflicts in literature are:

1. Man Versus Self
2. Man Versus Society
3. Man Versus Man
4. Man Versus Nature
5. Man Versus Supernatural

Write a short fable involving one of the conflicts. The more detailed and creative, the more interesting the story. Infer the moral of the fable. Then draw a picture to represent your fable (i.e. a unicorn standing amongst a herd of horses).

How does your fable relate to the morals in today's society?

Read your fable to family and friends.



### SOCIAL STUDIES

As America starts to reopen after months of COVID19 shut downs, many people are conflicted about venturing out in public places. Every day, the media and news outlets are televising public disagreements over masks and protestors challenging the stay-at-home orders in their states.

According to Govtech, *"PSAs can create awareness, show the importance of a problem or issue, convey information, or promote a behavioral change."*

Create your own public service announcement using the link below. What would you say to address the issue over reopening the country?

<https://www.govtech.com/education/news/How-to-Create-the-Perfect-Public-Service-Announcement.html>



### SCIENCE

Myth vs. Fact: You must drink 8 glasses of water each day.

Scientists and health experts are conflicted over whether or not this amount is actually beneficial to the human body. Most teenagers don't drink 8 glasses a day, preferring drinks that are high in sugar or carbonated.

Design an app that helps teenagers keep track of their daily water intake to determine the amount they need. Your app should track the student's schedule, after school activities like sports or a job, and the amount of water they drink daily. Provide tips on how to improve their intake and the effects of staying hydrated.

Share your app idea with other students.

For more information about making an app, read here: <https://learnappmaking.com/how-to-make-an-app/>



### MINDFULNESS

Read the poem "No Holds Barred" by La Sirena about internal struggles: <https://allpoetry.com/poem/14531017-No-holds-barred-by-La-Sirena>

How did the author make you feel? Did you empathize or sympathize with the author?

How can you resolve this internal battle? Write a poem in response La Sirena. You can finally speak your mind, so what will you say? How did you feel afterwards? Poems should contain at least three verses using 4 stanzas.

Use your poem to encourage yourself. It is your proof of overcoming a battle that only you can "see."



## LOGIC PUZZLE

### Farmer Conflict

A farmer wants to cross a river and take with him a wolf, a goat and a cabbage. He has a boat, but it can only fit himself plus either the wolf, the goat or the cabbage. If the wolf and the goat are alone on one shore, the wolf will eat the goat. If the goat and the cabbage are alone on the shore, the goat will eat the cabbage.

How can the farmer bring the wolf, the goat and the cabbage across the river without anything being eaten?



## FIELD STUDIES

Take a virtual tour of the battlefields across the United States with American Battlefield Trust: [https://www.battlefields.org/visit/virtual-tours?utm\\_campaign=032120&utm\\_medium=update&utm\\_source=email](https://www.battlefields.org/visit/virtual-tours?utm_campaign=032120&utm_medium=update&utm_source=email). The ABT provides vast information on battles that shaped our history, recorded our wins and losses, and the aftermath of each war.

Select and tour three battlefields from the Revolutionary War. After reading their history, compare and contrast each battle. Why did that battle occur? Did fighting solve the conflict? How were human lives impacted by it then and now?

What alternative way would you have solved their conflict?



## RESEARCH EXPLORATIONS

Can a painting capture the true essence of war?

The artists featured here used their talent to express their views on the effects of war: <https://theculturetrip.com/middle-east/articles/12-astonishing-artworks-from-conflict-zones/>

Which one captures your interest the most?

Select one work of art and research the issues that started the war. Did the artist's picture match the events? How would you alter the picture to depict the conflict?



## MATH

The government recently passed the CARES Act. People were able to pay bills and shop for necessities at their local grocery stores. Unfortunately, stores were still socially distancing and only allowing a limited number of families in at one time.

A vertex-edge graph is often used to solve problems with scheduling. Watch the video learn about vertex-graphs and chromatic numbers: [https://www.youtube.com/watch?v=gOh1aG0\\_zQ](https://www.youtube.com/watch?v=gOh1aG0_zQ)

Draw a vertex-edge graph to represent this situation and find the chromatic number. What does the chromatic number mean in this situation?

How can the results of the survey be used to guide the government about future payments?

*See Reference Guide for Table.*

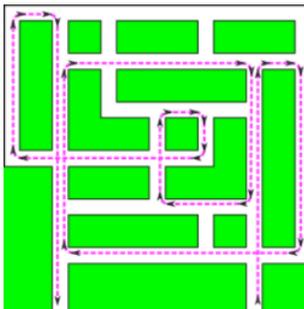


North Carolina Department of  
**PUBLIC INSTRUCTION**

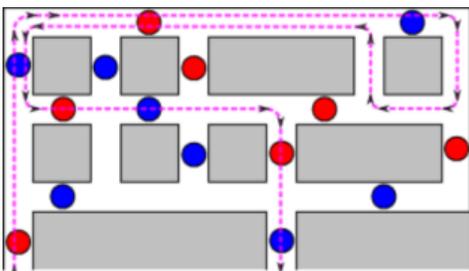


## Conflict Reference Guide

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