

# ADVANCED LEARNING LABS

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

TO ENGAGE, ACTIVATE, AND GROW OUR STUDENTS

GRADES

6-7

## Diversity



### ENGLISH LANGUAGE ARTS

Good writers have a lot of power. When read by others, a writer's thoughts and feelings are transferred to the reader. It almost sounds like magic. How do they do this? One tool that authors use is sentence variety. They craft sentences to express not only specific ideas but even feelings.

*The dog was chasing me. I ran. I ran some more. I gasped for air. Could I escape?*

*The dog was chasing me and I ran and I ran some more; I gasped for air. Could I escape?*

In the first line, the short, choppy sentences accentuate the gasping for air. It conveys to the reader that the narrator is gasping so much that they cannot really run away. In the second line, the choice to write a run-on helps to accentuate the running.

Experiment by writing five pairs of sentences of diverse lengths and formats. Write sentences about your interests then try to express the same idea by writing it differently.



### SOCIAL STUDIES

West Africa is home to more than 500 indigenous languages. This linguistic diversity is greater than any other region of the world. Spoken language in traditional West Africa is prized for its role in storytelling across the generations through the art of orature. Read more about West African Languages at the link: <https://bit.ly/2WPUswc>

Consider how language can unite or divide a society. When modern African nations were formed after European colonialism had reshaped country boundaries, how did having citizens from different cultures and with different languages impact the new nation's ability to organize itself effectively?

Jot down your ideas in a journal. Then read this article and add new thoughts: <https://bit.ly/2ON2Utl>



### SCIENCE

There are three advantages of sexual reproduction over asexual reproduction:

- it produces genetic variation in the offspring
- through variation, species can adapt to new environments
- genetic disease is less likely to affect an entire population.

When families marry within the same families, as happened with European royalty in the 19th-20th Centuries, this lack of gene diversity can cause a recessive gene to have a greater impact. Great Britain's Queen Victoria, through two of her five daughters, passed the recessive gene for hemophilia to various royal houses across the continent, including the royal families of Spain, Germany, and Russia.

Follow the link to learn more about Queen Victoria's pedigree and reflect on the impact lack of diversity has on a bloodline: <https://bit.ly/3hyUelH> Record your answers in your science notebook.



### MINDFULNESS

Think about a time you have seen prejudice or discrimination against people with learning disabilities. How did it make you feel? Are disabilities always visible? Do you have a learning disability? How have you dealt with it? Do you speak up when someone is discriminated against? Would you change the way you act when you see or hear people acting with discrimination?

Create a 6-frame story strip illustrating a story of discrimination against someone with a learning disability. Make sure your story strip uses visuals as well as words to tell the story. Try to focus the story on how to fight against this type of prejudice and the discrimination that results. What will you do in the future to fight against discrimination of people with learning disabilities?



## LOGIC PUZZLE

KenKen is not quite sudoku and is not a crossword puzzle. Your goal is to fill the grid with numbers but without repeating a number within the same column or row. In a 3 by 3 KenKen uses the numbers 1-3. In a 4 by 4 KenKen uses the numbers 1-4.

For more help solving a KenKen puzzle go to the official site: <http://www.kenkenpuzzle.com/howto/solve>

Now that you understand the rules try a KenKen Puzzle: <https://docs.google.com/document/d/1OCMLhRQt5cfCZ-MrGxBINJ9hhFGBWnRpwYJm1un4Wpg/edit>



## FIELD STUDIES

Music is an important part of culture. If someone were to ask you what is American Music, what would you say? Explore this idea in this article from World Music Central, an online magazine dedicated to exploring music from around the world: <https://worldmusiccentral.org/world-music-resources/musician-biographies/american-music/>

After you have read the article, determine a way that you would like to explore this idea further. Some examples are researching the influence of particular cultures on a genre of music, researching the history of an American genre, and listening to examples of music from several American genres to determine how they are similar to one another. Follow through with your research and then share what you have learned with someone you know.

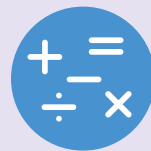


## RESEARCH EXPLORATIONS

The biodiversity of rainforests is one of the great characteristics of these regions. Pick two of the five tropical rainforests: Central American, Amazon, Congo River Basin, Madagascar, Southeast Asia to research.

- Specifically, determine how the biodiversity of each forest is similar and different.
- How does diversity help the rainforest to survive?
- How does the diversity of the rainforest benefit humans?

Create a travel brochure for one of the rainforests you researched. Use your brochure to convince a traveler interested in biodiversity to visit.



## MATH

The 100 Person Project imagines that our global population only has 100 people. The project's aim is to enlighten people on the racial, religious, and wealth diversity of the world. Think about the makeup of the world! Keep in mind race, religion, ethnicity, continents, gender and language. Feel free to add other categories. Research the world's population and then use your ratio skills to determine how the numbers convert to a population of 100.

Create a presentation using either Google Slides or PowerPoint to present your information. Next research the demographics of your state, city, county, or school and create a population of 100. How does the new population compare with our global population?

Visit the link if you need help getting started: <https://www.100people.org/#a>



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**PUBLIC INSTRUCTION**



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GRADES

**K-12**

## Diversity Reference Guide

### **K-1 Logic Puzzle:**

Solution: I can bring things that have double letters.

### **2-3 and 4-5 Logic Puzzles:**

Online source of additional information and solutions:

<https://www.brainzilla.com/logic/logic-grid/agility-competition/>

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

Solution: The wise man told them to switch camels.

<http://brainden.com/logic-puzzles.htm>

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## Diversity NC Standards Alignment

Grade Span	English/ Language Arts	Social Studies	Science	Math
<b>K-1</b>	W.1.2	1.C.1	K.P.2	NC.1.G.3
<b>2-3</b>	RL.3.2	3.C.1.1 3.B.1.1 3.B.1.2	2.L.2.2	NC.2.MD.8
<b>4-5</b>	RL.4.9	5.C.1.4 5.I.1.7 5.I.1.8 5.I.1.9 5.I.1.10 5.I.1.11	5.L.3.1	NC.4.G.1
<b>6-7</b>	L.6.1-8.1	7.C.1.1	7.L.2.1 7.L.2.2	RP.3
<b>8-9</b>	RI.9.6-10.6	8.H.3.1	EEn.2.7.2	NC.M1.S-ID.8
<b>10-12</b>	RI.11-12.6 W.11-12.1	WH.H.2.8 AH2.H.4.4 AH.C&G.1.3	EEn.2.7.2 EEn.2.7.3	DCS.N.3.4