

ADVANCED LEARNING LABS

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

TO ENGAGE, ACTIVATE, AND GROW OUR STUDENTS

GRADES

2-3

Time



ENGLISH LANGUAGE ARTS

Reading is a wonderful way to spend time learning, relaxing and even escaping the current time. It is also a way we're able to connect what we learn to ourselves and the world around us.

Choose a fiction or informational book that interests you and take some time to read. As you read, make personal connections to your life and experiences, other texts you have read and the world around you.

Create a mind map as you read, recording the connections you make to the text in these areas and continue to add to it throughout the book.

To learn more about mind mapping for students, visit this link: <https://www.mindmeister.com/blog/students-guide-to-mind-mapping/>



SOCIAL STUDIES

A historical narrative is a story of a historical event or time period. It is a powerful vehicle to show change over time and give a glimpse into past events, people and places. The art of storytelling is a historical narrative in and of itself.

Read the book *I am a Story* by Dan Yaccarino (or listen to the story here: <https://youtu.be/XVScmY-hroA>) and/or this article "The Evolution of Storytelling:" <https://reporter.rit.edu/tech/evolution-storytelling>.

Create a historical timeline of storytelling, with pictures or by acting out the various storytelling methods/changes themselves. Share this timeline with others. Take it a step further and search for information about a subject that interests you-past, present and even future. Create a timeline of how the topic has changed over time.



SCIENCE

One of the jobs of the National Hurricane Center is to keep track of hurricane data. On their website, <https://www.nhc.noaa.gov/climo/>, you can see hurricane data that dates back to the 1800's.

As you scroll through the various graphs, what patterns do you notice? Where do hurricanes tend to form? What months are typically part of "hurricane season?" What other questions do you have about the patterns of hurricanes that these graphs can answer?

Track this year's hurricane season. Does it follow the usual patterns? Is there anything that occurred that did not follow the pattern? (You could track the storms in real time, or look back at the website for the data.)



MINDFULNESS

Socrates, an ancient Greek philosopher, had two main "rules of life": *Care for oneself and know oneself*. He believed that taking time to care for ourselves leads us to care for others and taking time to pay attention to our own thoughts and attitudes through self-reflection and meditation leads to an ideal state of being.

Today, set aside some time for some self-care; spend some time doing something that you love, gives you energy, or makes you happy.

Make a point to set aside time in your day for self-reflection. Find a quiet, calm space to sit and breathe and think about you. Reflect on how taking time for self-care and self-reflection impacted the quality of your day and your interactions with others. Are there ways to make time for yourself every day?



LOGIC PUZZLE

Time Marches On

How many times during a day do the hour and minute hands of a clock point in the same direction?

Make a guess.

Now, get a clock and check your guess. What did you find out?



FIELD STUDIES

A time capsule is a container storing a selection of objects that are seen as being typical of the present time, buried for discovery in the future. It's a snapshot of a moment in history that can offer a glimpse into the past.

Watch this video from National Geographic Kids to learn about "100-Year-Old Time Capsule Was Finally Open:" <https://youtu.be/6btpDxGI748>

Now it's time to make your own time capsule. It can be a capsule about your own life or one that focuses on the current time period in our state, country or world, or all of the above. Hide or bury the time capsule and designate a time in the future to open it and examine its contents.

Here are some ideas: <https://www.joincake.com/blog/time-capsule-ideas/>



RESEARCH EXPLORATIONS

Three dimensional, or 3D, are the units of length, width, and height. When you add in the unit of time, you get four dimensions. Spacetime continuum is credited to Albert Einstein, but some say it was his teacher, Hermann Minkowski who connected space and time, two ideas previously believed to be unrelated. Read more about Einstein, Minkowski, and spacetime. Make sure to check out what NASA says about our ability to time travel; you might be surprised.

- <https://www.wonderopolis.org/wonder/what-is-the-space-time-continuum>
- <https://bit.ly/32Bwzwwg>
- <https://spaceplace.nasa.gov/time-travel/en/>

Share what you've learned with your family. Discuss a time, past or future, that you and your family members would like to travel.



MATH

The World Meteorological Association has established a hurricane naming procedure where there are 6 lists of names that are alternated every 6 years (on the 7th year, list number 1 is used again).

Due to the severity of certain storms, names have been "retired" over time. The National Hurricane Center has a list of these names on their website: https://www.nhc.noaa.gov/aboutnames_history.shtml

Choose a ten-year time span and create a bar graph to show how many names were retired each year. Examine the list further below on the webpage to see the names in alphabetical order and create a graph to show retired names by first letter. For fun, create your own list of Hurricane names, one for each letter A-W.



North Carolina Department of
PUBLIC INSTRUCTION



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K-12

Time Reference Guide

K-1 Logic Puzzle:

Solutions:

Challenge 1

12:00, 1:05, 2:10, 3:15, 4:20, 5:25, 6: 30, 7:35, 8:40, 9:45, 10:50, 11:55

Challenge 2:

1:01, 1:11, 1:21, 1:31, 1:41, 1:51,

2:02, 2:12, 2:22, 2:32, 2:42, 2:52

3:03, 3:13, 3:23, 3:33, 3:43, 3:43

4:04, 4:14, 4:24, 4:34, 4:44, 4:54

5:05, 5:15, 5:25, 5:35, 5:45, 5:55

6:06, 6:16, 6:26, 6:36, 6:46, 6:56

7:07, 7:17, 7:27, 7:37, 7:47, 7:57

8:08, 8:18, 8:28, 8:38, 8:48, 8:58

9:09, 9:19, 9:29, 9:39, 9:49, 9:59

10:01, 11:11, 12:21

2-3 Logic Puzzle:

Solution: <https://www.aimsedu.org/2013/04/08/timemarches-on/?highlight=time>

4-5 Logic Puzzle:

Solution is included in the video: <https://www.youtube.com/watch?v=KM5KUlyAJ9I>

6-7 Logic Puzzle:

Solution: 4:22

8-9 Logic Puzzle:

Solution: 4:00

10-12 Logic Puzzle:

Solution: Larry goes to bed at 9:00 pm.

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Time NC Standards Alignment

Grade Span	English/ Language Arts	Social Studies	Science	Math
K-1	W.1.1	1.H.1.1 1.H.1 1H.1.2	K.E.1.1 K.3.1.3	NC.1.MD.4
2-3	RL and RI.3.10	3.H.2.1 3.I.1.10 3.H.1.3	2.E.1.3 2.E.1.4	NC.3.MD.3
4-5	RL and RI.5.10	EX.5.G.1.2 5.I.1.4 5.G.1.4	5.E.1.1	NC.5.MD.2
6-7	W.6.3	7.G.1.2 7.G.1.3	7.P.1.3	NC.7.RP.1 NC.7.RP.3
8-9	RL.8.2	FPPFL.2.4 EPFMCM.3.4	EEn.2.1.3	NC.M1.A-CED.1
10-12	W.9-10.3	AH2.H.3	EEn.2.5	NC.M1.S-ID.1