Infusing Geography into all Content Areas

Why we need to teach geography

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What is the world's tallest mountain? "Uhh…It's not Mount Rushmore."

What is the largest country in South America? "Africa…"

Where is Iraq? In South Europe or something"

If someone says they are going to Great Britain, what language would they speak when they get there? "British"

Have you met anyone who speaks British? "No"

Can you think of any words in British? "No"

Self-Assessment

How would you currently rate yourself (1-5), in infusing Geography into your classes?

What challenges have you faced in infusing Geography?

The Need for Geography Infusion: The Research

The last national geography assessment was given in 2010 to students (4th ,8th ,12th grade), and the National Center for Education Statistics (NCES) released the following facts:

Between 2001 and 2010, seniors' average scores declined from 284 to 282 on a 500 point scale.

The Need for Geography Infusion: The Research

- **70% of 12th graders scored at or slightly above the basic level.**
- **20% scored at proficient level.**
- **Only 1% students performed at an advanced level.**

The Research Continues…

- Since 1994, the percentage of seniors who attained a **basic** level has flat-lined.
- Yet, the percentage of seniors who scored "**proficient**" declined from 24% to 20%.
- 8th graders' average scores have relatively **flat-lined**, going from 260-261.
- 27% of 8th grade students achieved a "proficient" level, the highest of any grade level.

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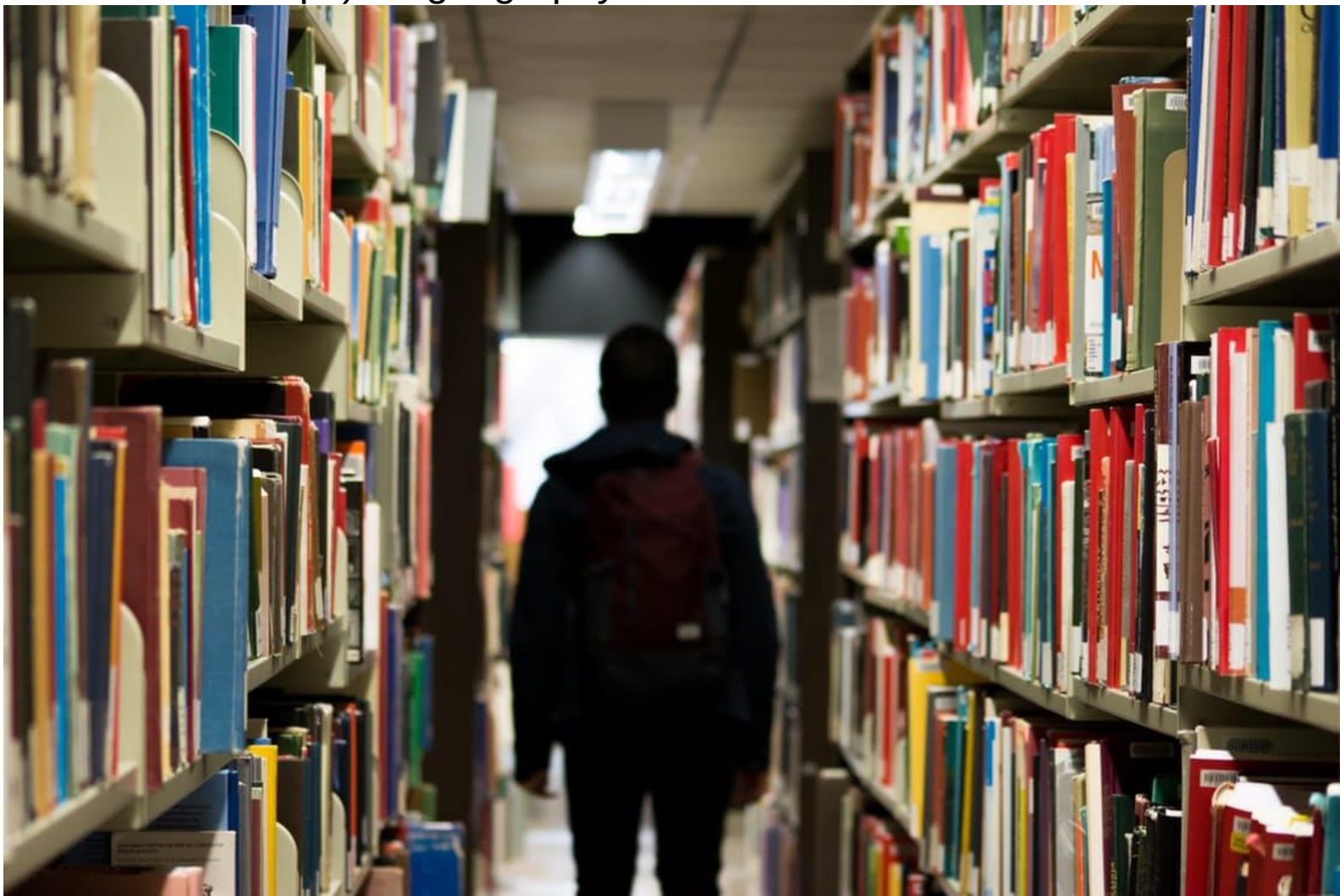
•50% of the teachers interviewed by “GAO” describe difficulty in accessing resources (from getting materials to fieldtrips) for geography education.



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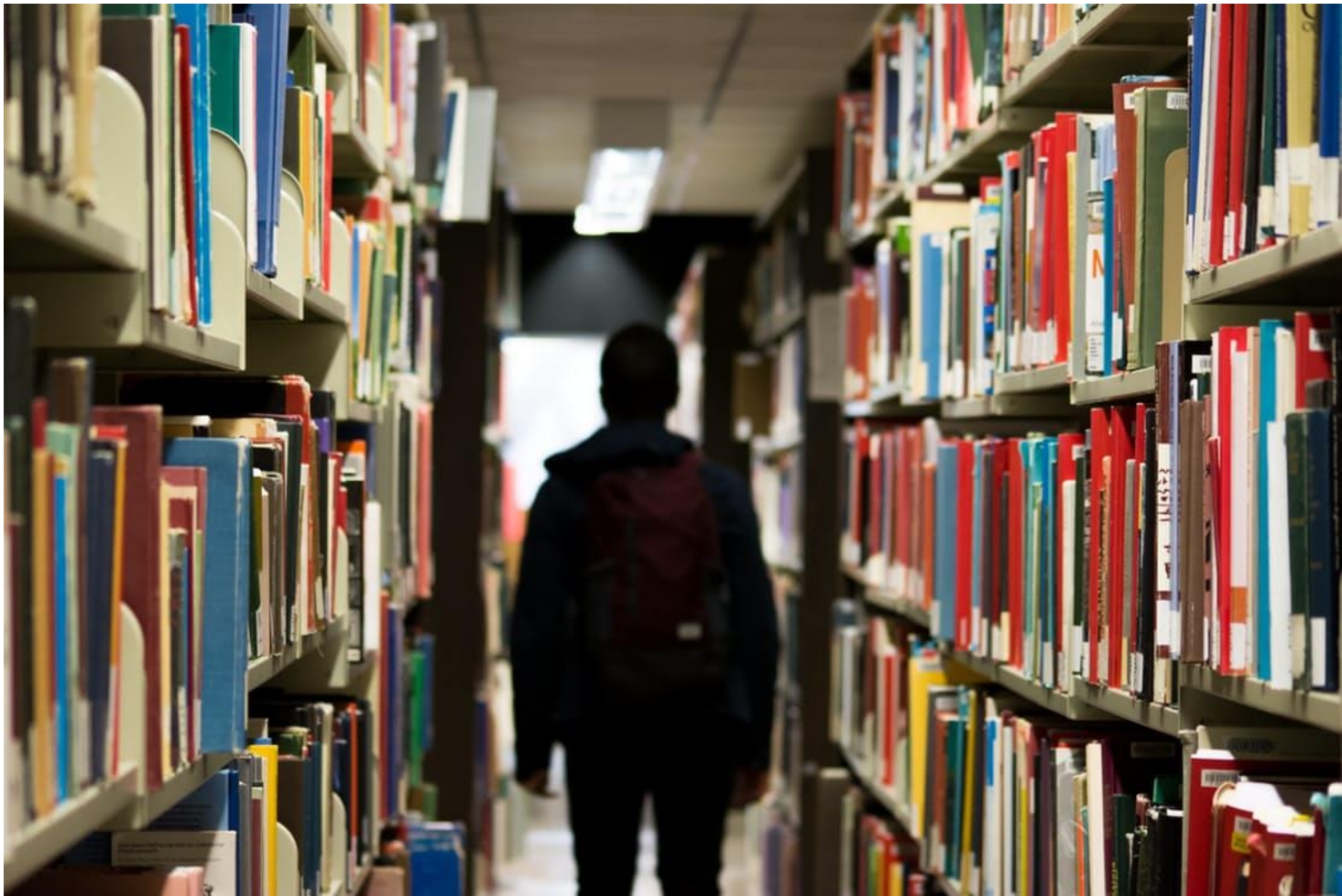
•More than half of Social Studies teachers spend 10 percent or less of their time on Geography.

•50% of the teachers interviewed by “GAO” describe difficulty in accessing resources (from getting materials to fieldtrips) for geography education.

•70% of teachers report outdated resources.



TRANSLATE

So What Next?

1. Acknowledge
2. Benchmarks
3. Resources
4. Issues

The Power of Place and Identity

Visual Discovery

Where Is This?…and How Do You Know?

Where is This…and How Do You Know?

Connection between Place and Space…the difference…

Connection between Place and Space…the difference…it's telling.

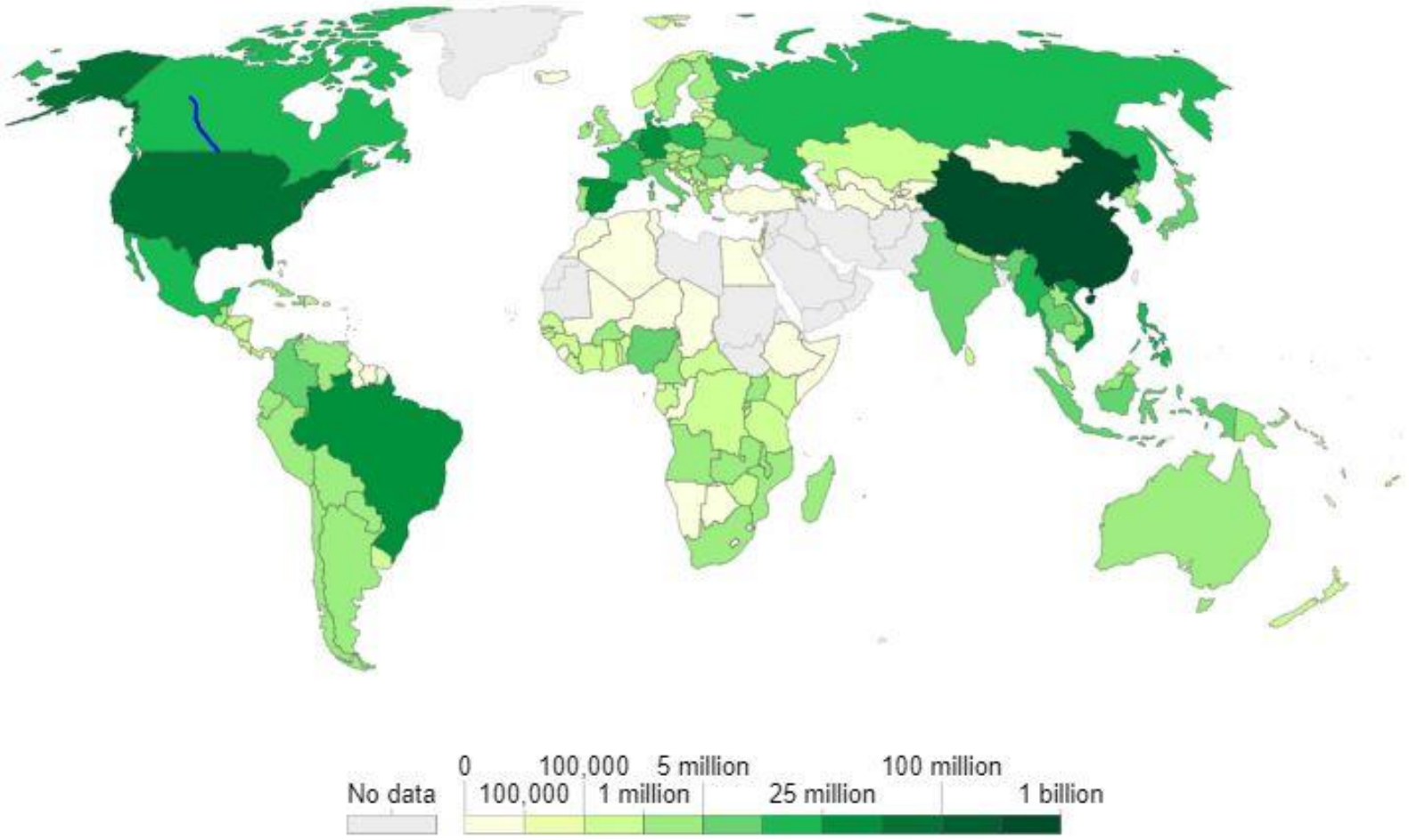
Why of Where?

Why of Where?

Pig livestock count, 2014

Total pig livestock stock count, measured as the number of live animals (heads) at any single time (i.e. the time of measurement) in a given year.

Our World in Data



Source: UN Food and Agricultural Organization (FAO)

OurWorldInData.org/meat-and-seafood-production-consumption/ • CC BY-SA

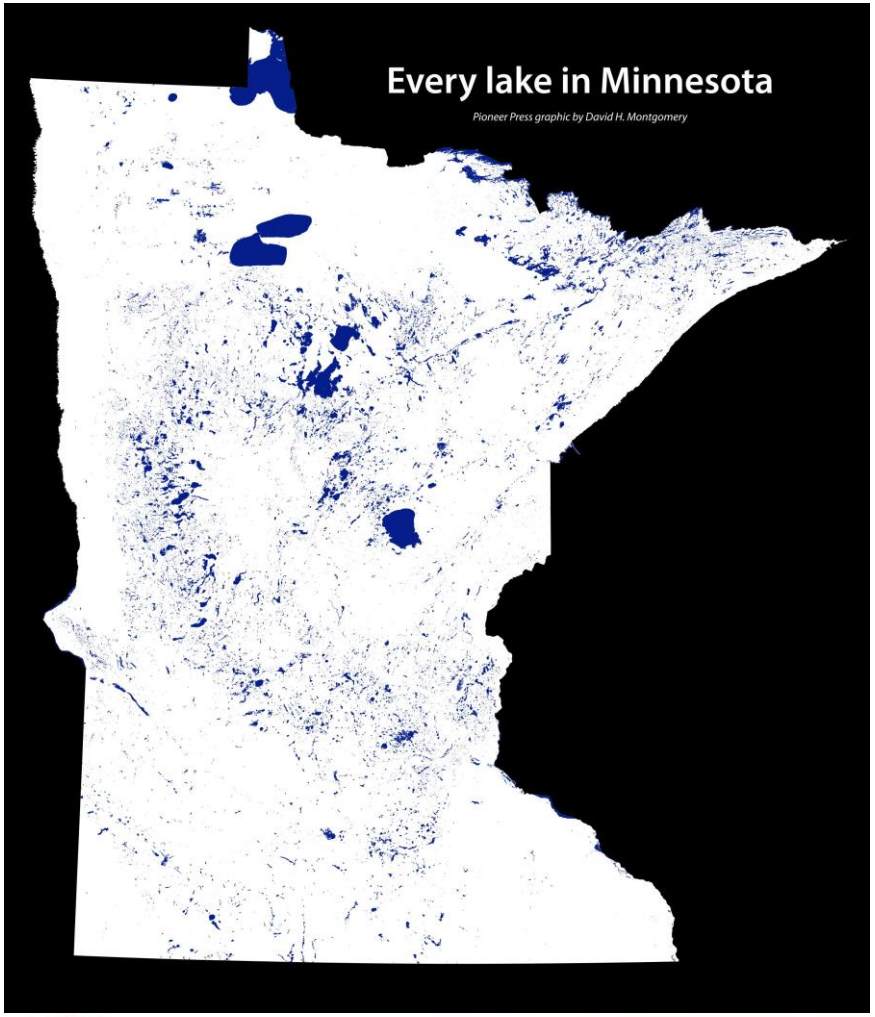
Why of Where? Sports and Identity

Meat Packing & Cheese Production

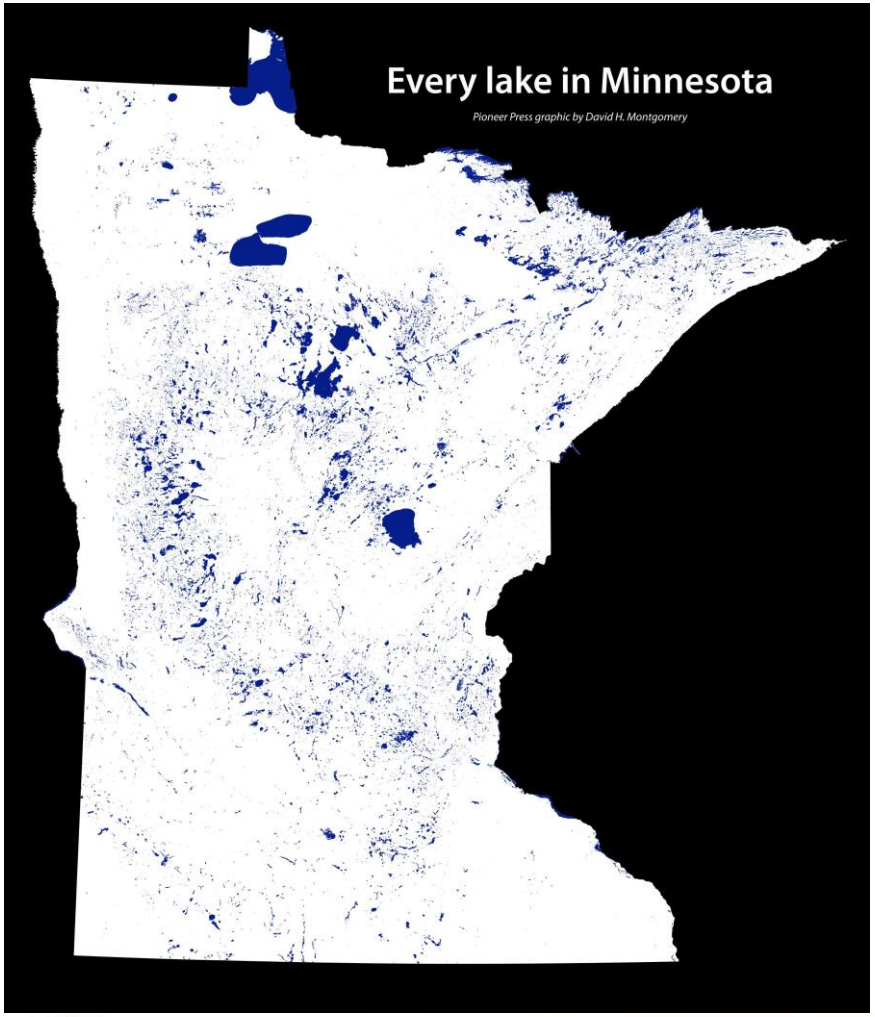
Steel Production

1849 Gold Rush

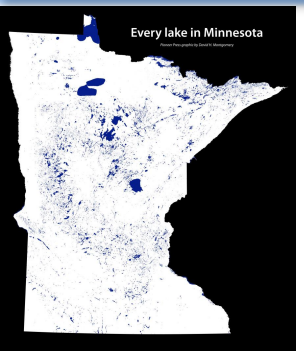
Location and Identity- The Why of Where?



Location and Identity- The Why of Where?



No Surprise Here: Minnesota Hockey and Lacrosse Clubs



Greatest “Laker” of All Time: Surprise?

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When We Ignore all Geographical Relevance

Toponyms: Place Name and Identity

- Boring, Oregon
- Sweet Lips, Tennessee
- Lonelyville, New York
- Loveladies, New Jersey
- Condemned Bar, California
- Hell, Michigan

Locate the Geography Benchmarks

6th Grade Benchmarks

SS.6.G.5.3 Analyze how famine, drought, and natural disasters plagued many ancient civilizations.

SS.6.G.6.2 Compare maps of the world in ancient times with current political maps.

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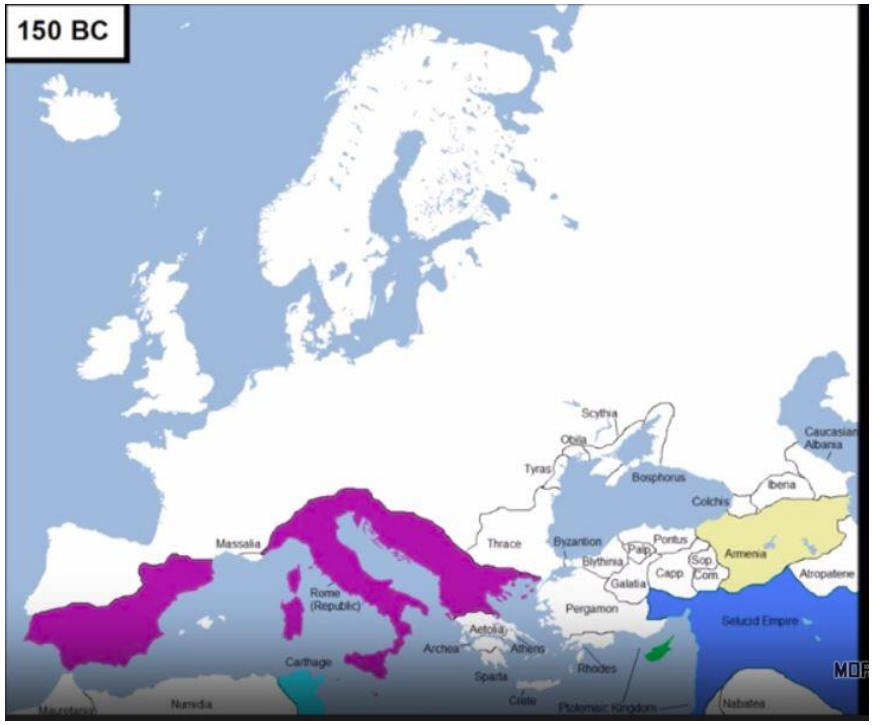
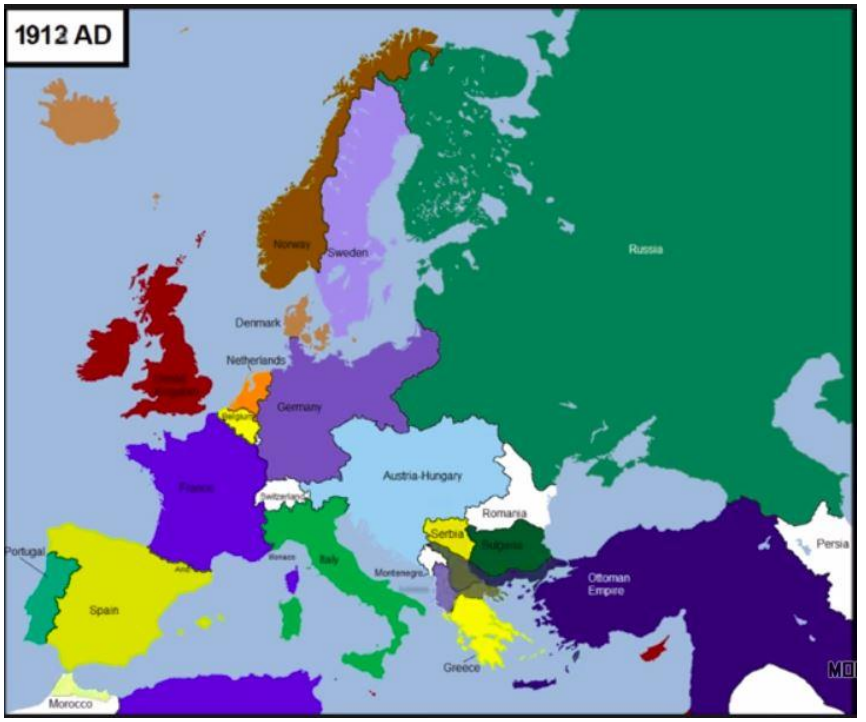
6013 Years in 3 Minutes





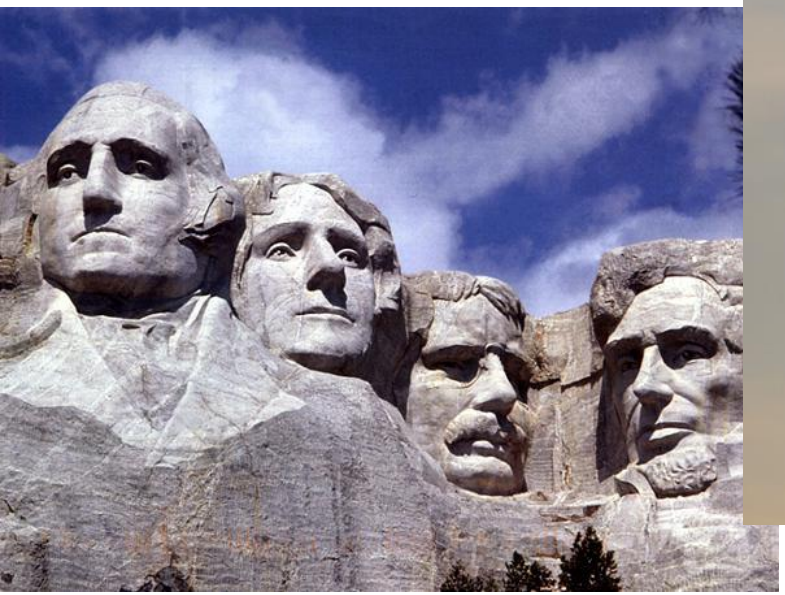
SS.6.G.6.2 Compare maps of the world in ancient times with current political maps.

7th Grade benchmarks

SS.7.G.2.2 Locate major physical/cultural landmarks that are emblematic of the United States.

SS.7.G.2.4 Describe current major cultural regions of North America.

SS.7.G.4.2 Examine the importance of demographics within political divisions of the United States.



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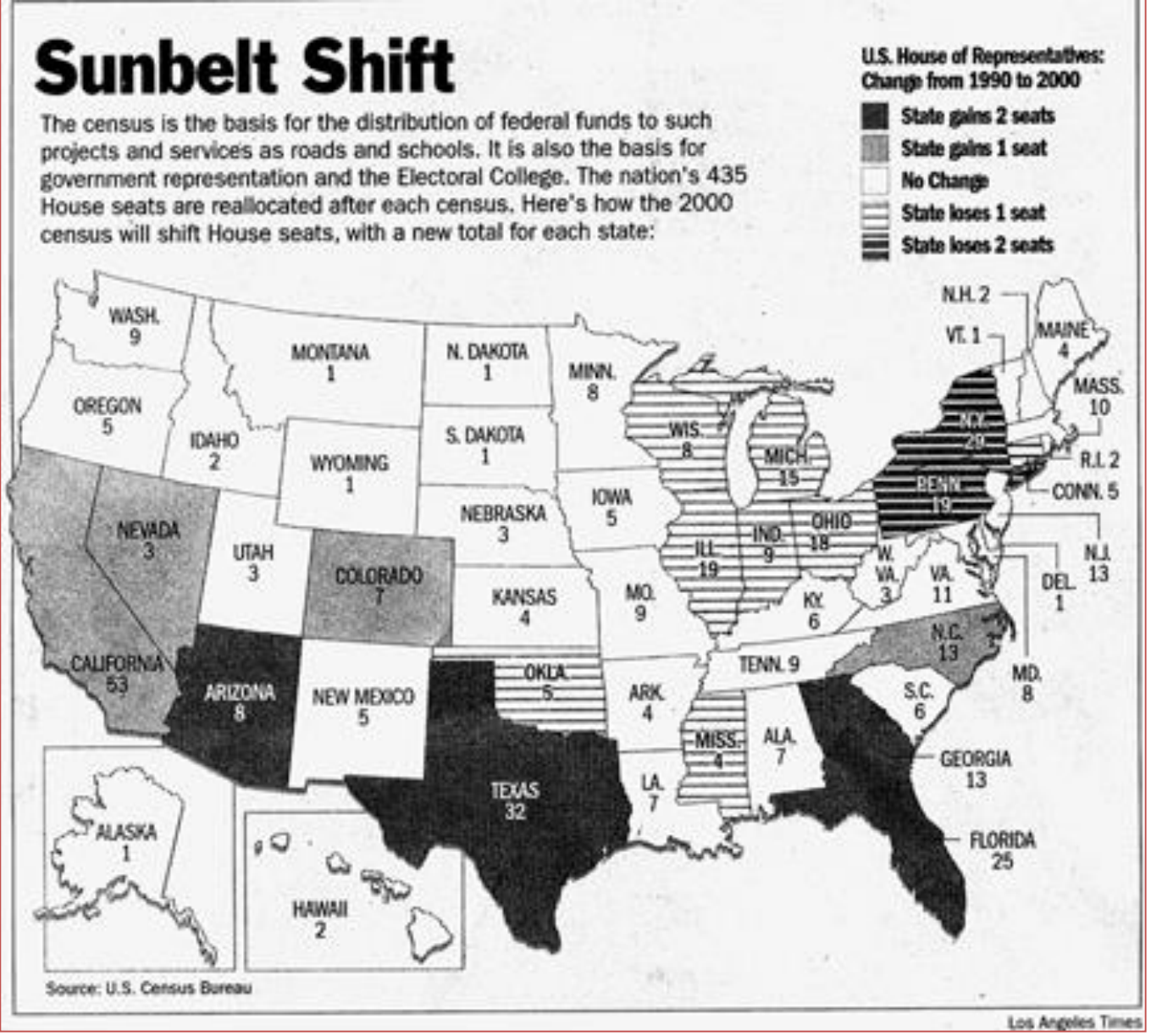


Other than in Civics, what other classes/grade levels could you use this in? And how?

SS.7.G.2.4 Describe current major cultural regions of North America.

SS.7.G.4.2 Examine the importance of demographics within political divisions of the United States.

Population Patterns of the United States: 8th Grade

SS.8.G.1.1: Use maps to explain physical and cultural attributes of major regions throughout American History.

SS.8.G.2.1: Identify the physical elements and human elements that define and differentiate regions as relevant to American History.

SS.8.G.2.2: Use geographic terms and tools to analyze case studies of regional issues in different parts of the United States that have critical economic, physical, and political ramifications.

SS.8.G.2.3: Use geographic terms and tools to analyze case studies of how selected regions of the United States have changed over time.

SS.8.G.4.1: Interpret population growth and other demographic data for any given place in the United States throughout its history.

Population Patterns of the United States: HS Benchmarks

SS.912.G.1.2: Use spatial perspective….as organizational schema to describe any given place.

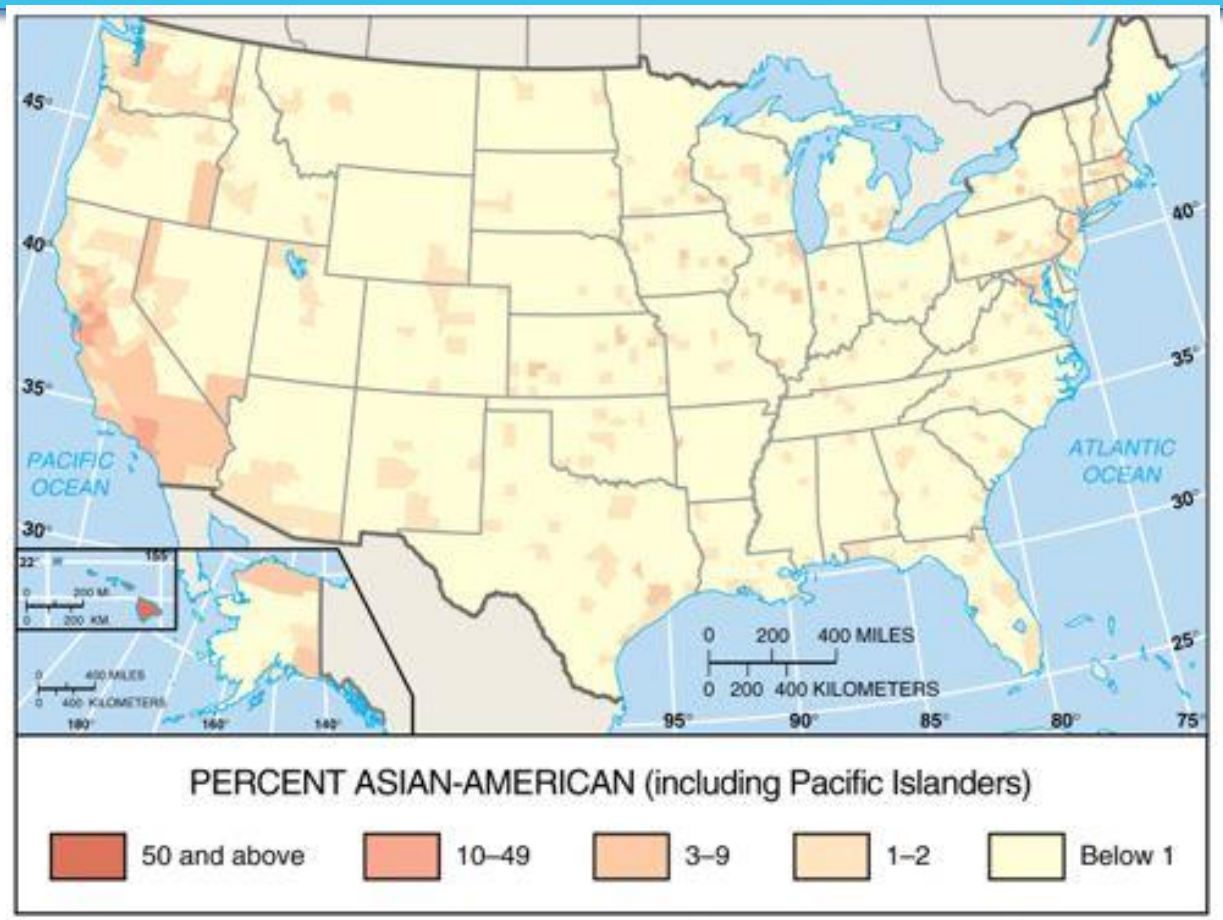
SS.912.G.2.1: Identify the physical characteristics and the human characteristics that define and differentiate regions.

SS.912.G.4.1: Interpret population growth and other demographic data for any given place.

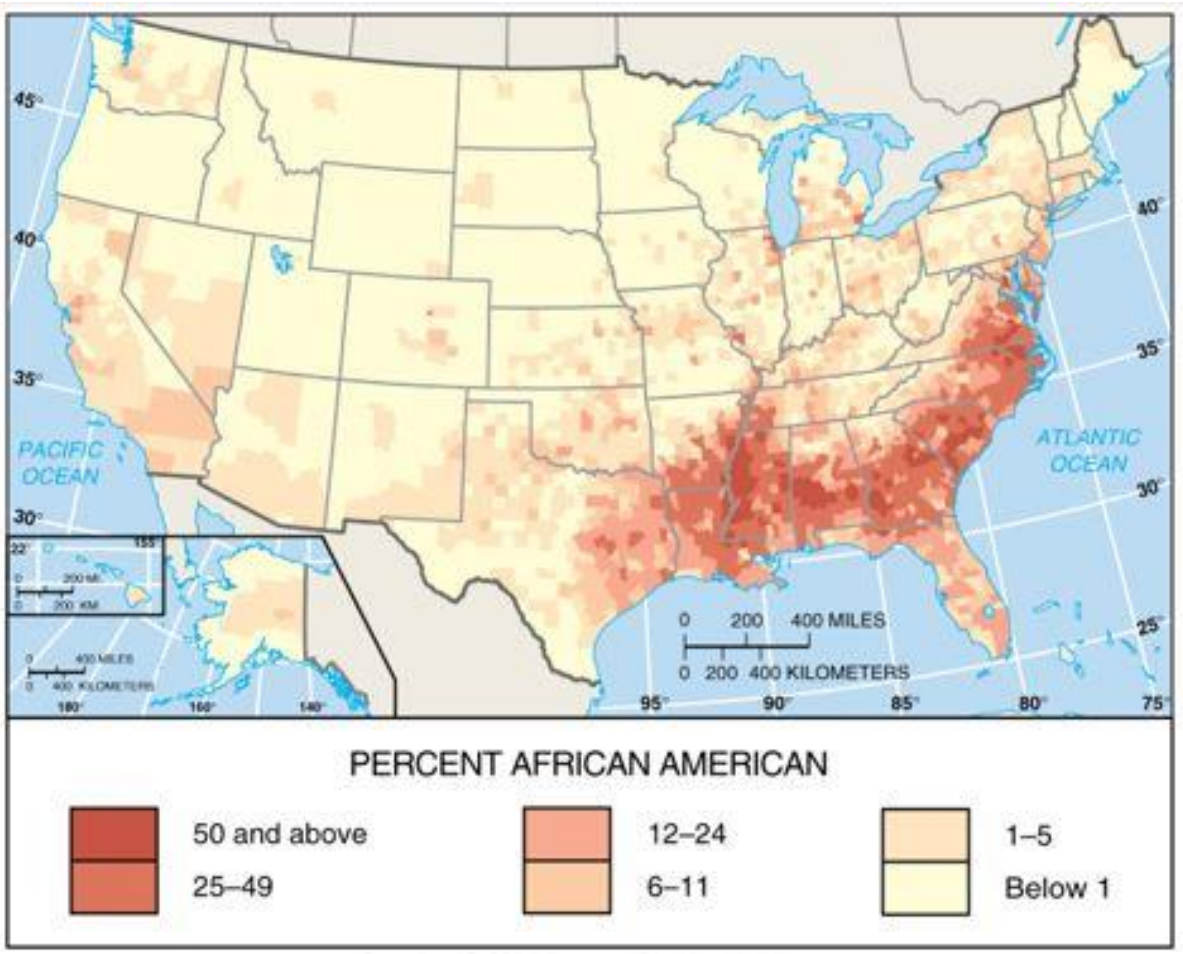
SS.912.G.4.2: Use geographic terms and tools to analyze the push/pull factors contributing to human migration within and among places.

SS.912.G.4.3: Use geographic terms and tools to analyze the effects of migration both on place of origin and destination, including border areas.

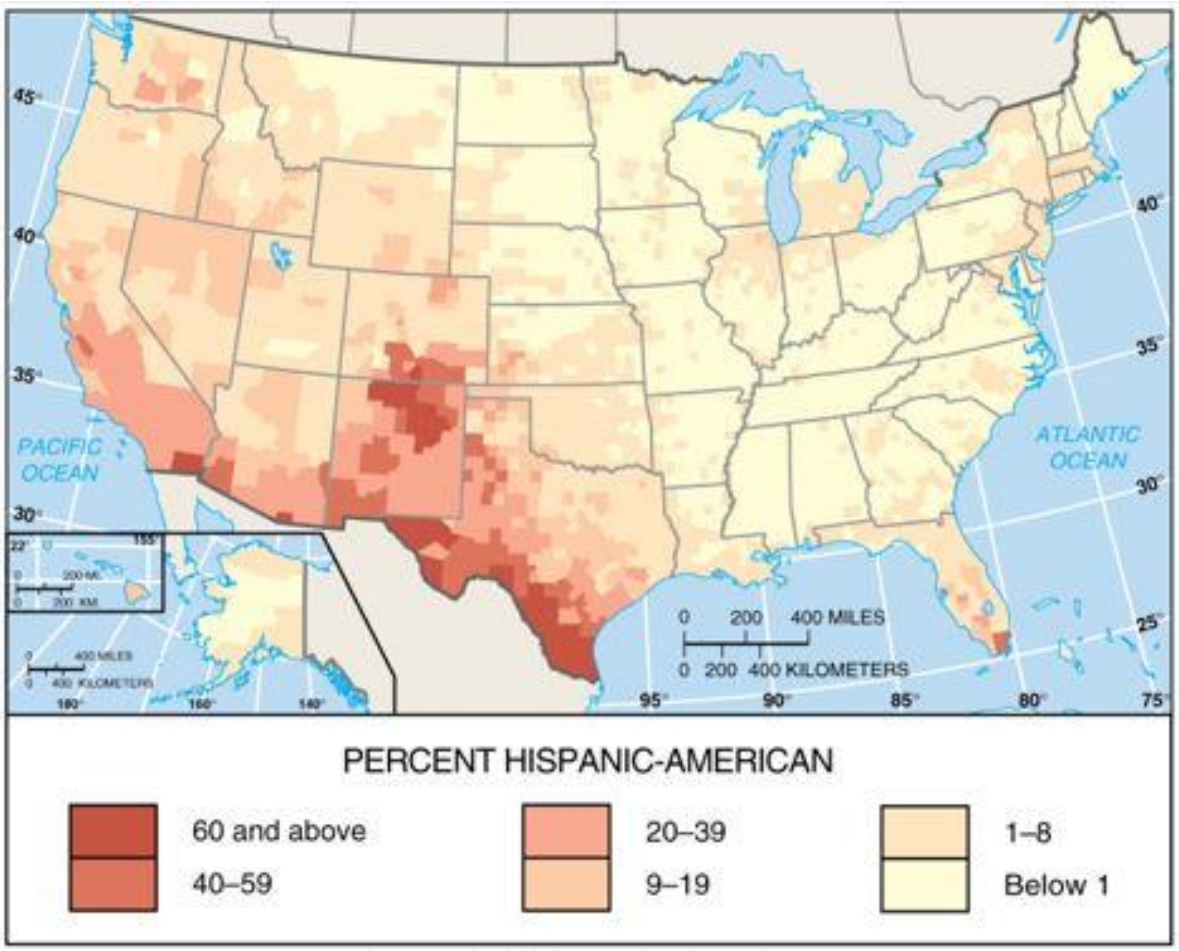
The Why of Where: Asian Americans in the U.S.



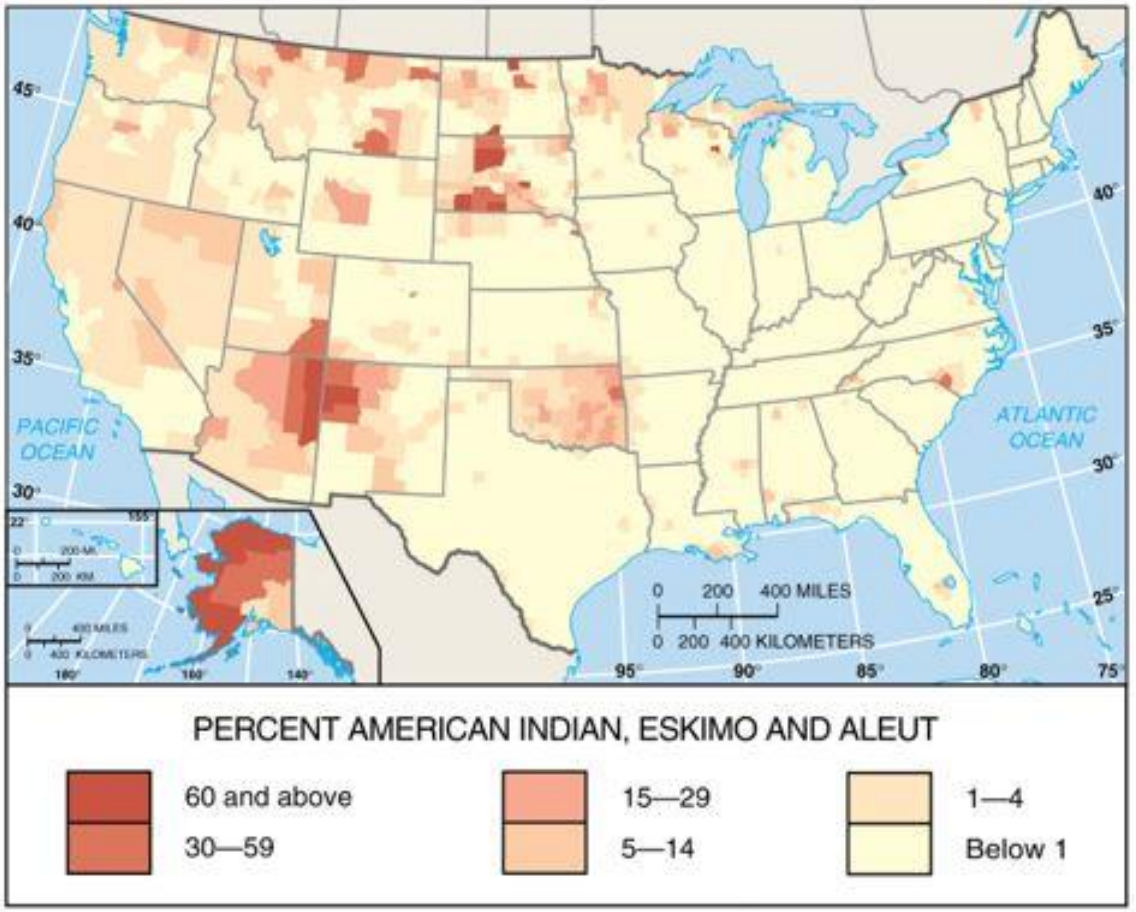
African Americans in the U.S.



Hispanic Americans in the U.S.



Native Americans in the U.S.



A Study on Mount Rushmore: Geographical thinking/historical context.

Stations

How can each station/resource assist you with infusing Geography into your content area(s)?

Station Rotation Overview

Station 1: Quiet Station- Geography in the School Curriculum

Station 2: Tech Station- Online Resources

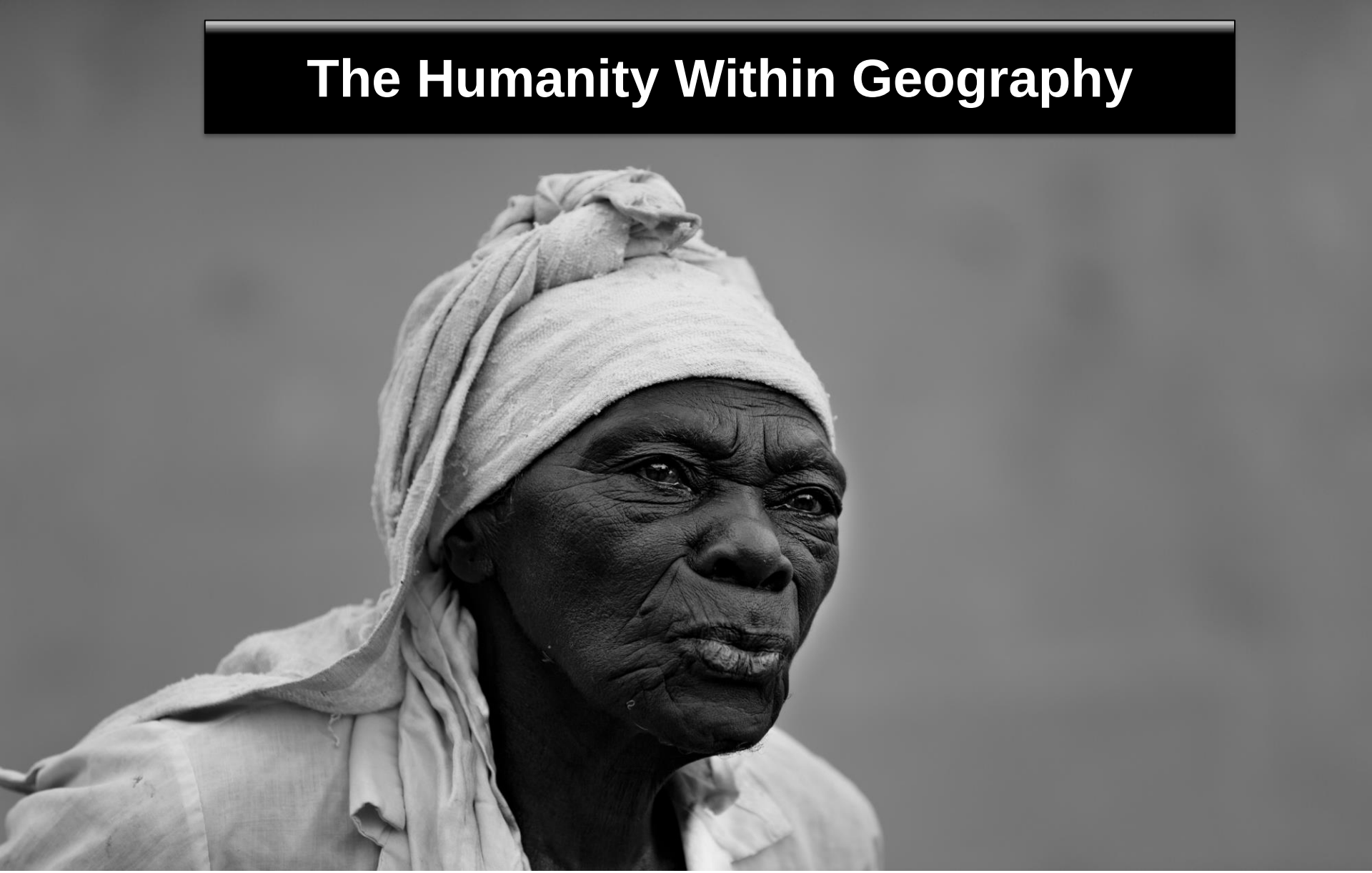
Station 3: Social Station- American Progress and or School Begins

Station 4: Art-List Station- Graffiti Wall/Free Form/Collage to list resources

Station 5: Teacher Station- Check in/Guided facilitation

Music Bonus Station- Geography Genres
-Geographer Playlist, Apple Store, Play Store, Music search

The Humanity Within Geography



SS.912.G.2.2 Describe the factors and processes that contribute to the differences between developing and developed regions of the world.

Out of every 100 persons added to the population in the coming decade, 97 will live in developing countries.

Human Development Index

SS.912.G.2.2 Describe the factors and processes that contribute to the differences between developing and developed regions of the world.

12th Grade Economics with Financial Literacy

SS.912.G.2.2

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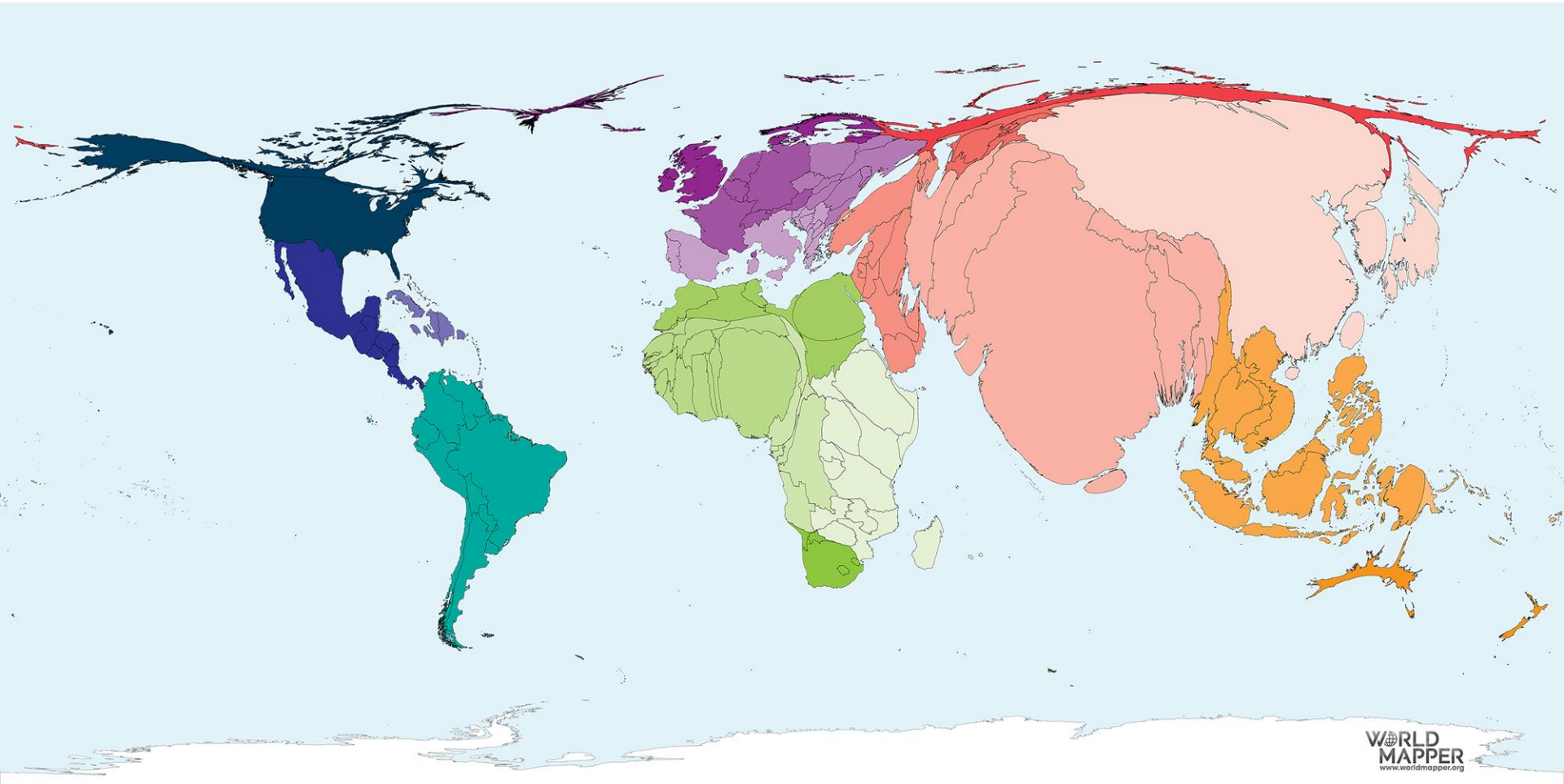

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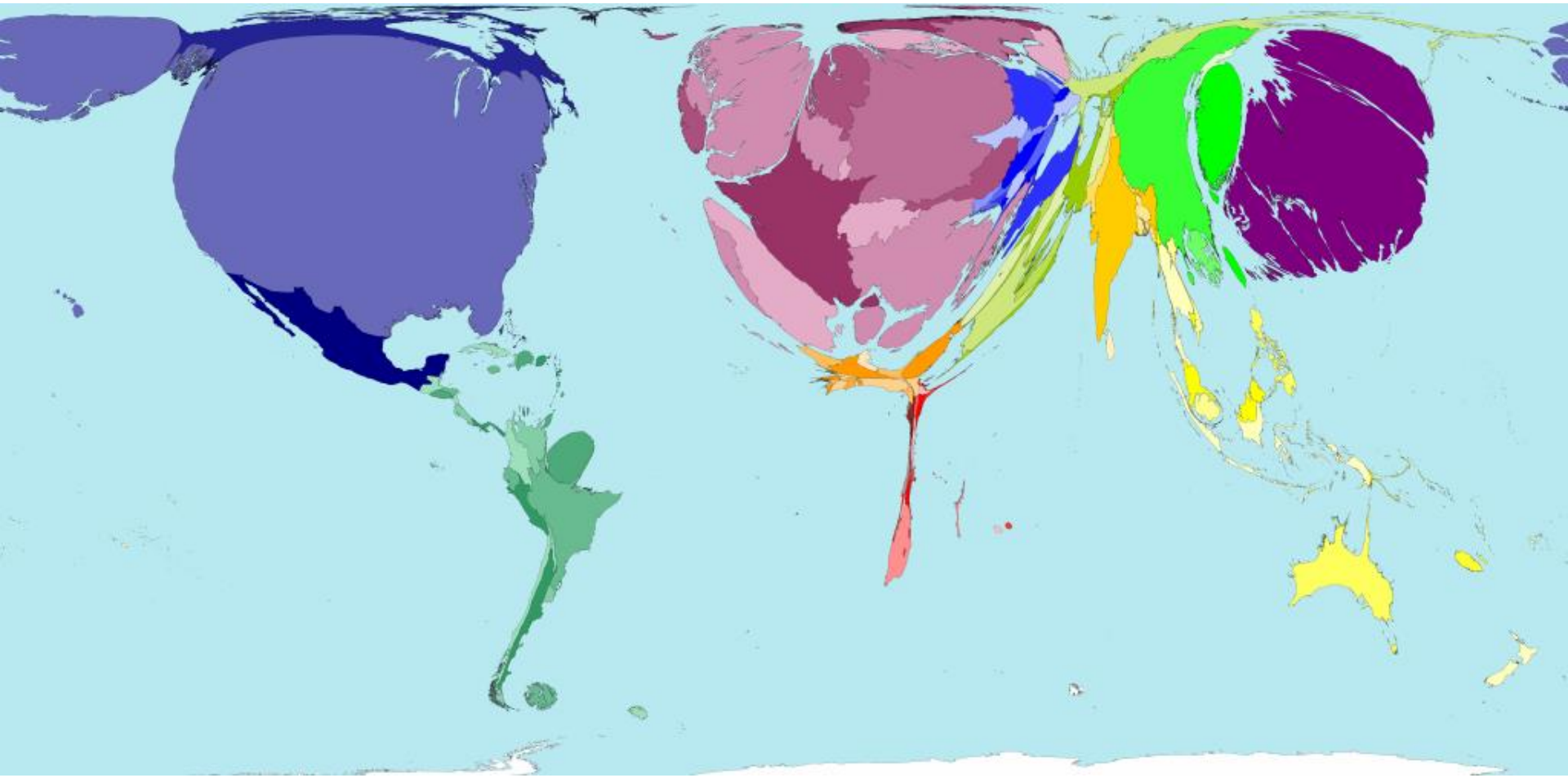

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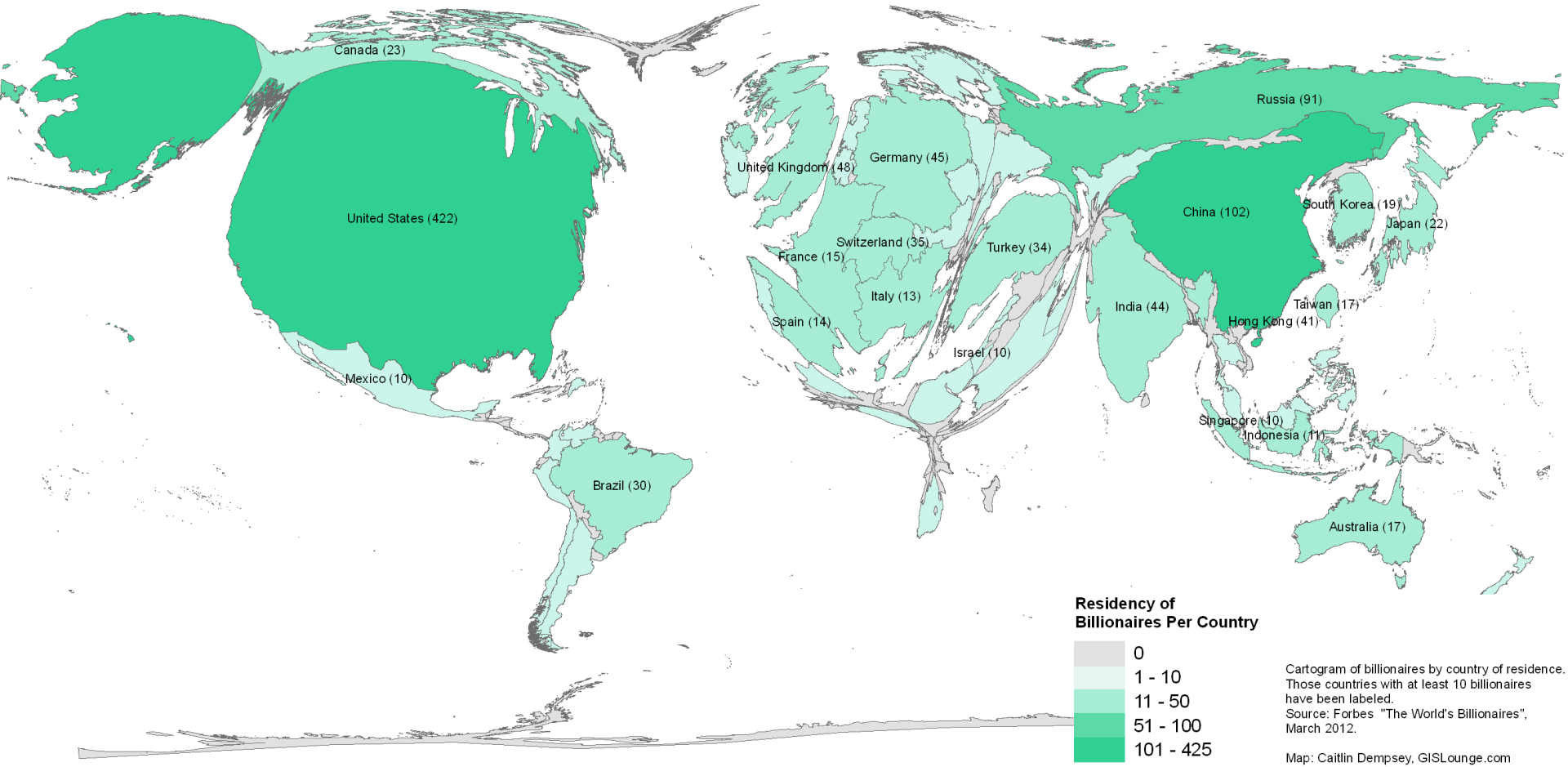

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Incorporating Globalization

SS.912.G.4.7:

Use geographic terms and tools to explain cultural diffusion throughout places, regions, and the world.

- *Powerful conversations on Globalization…along with local culture meeting pop culture.*

Globalization: Popular Culture meets Local Traditions

Geography of Sports and the Environment.

The 15 Fastest-Growing Cities

By Percent Change Between July 1, 2017, and July 1, 2018
Cities With a Population of 50,000 or More

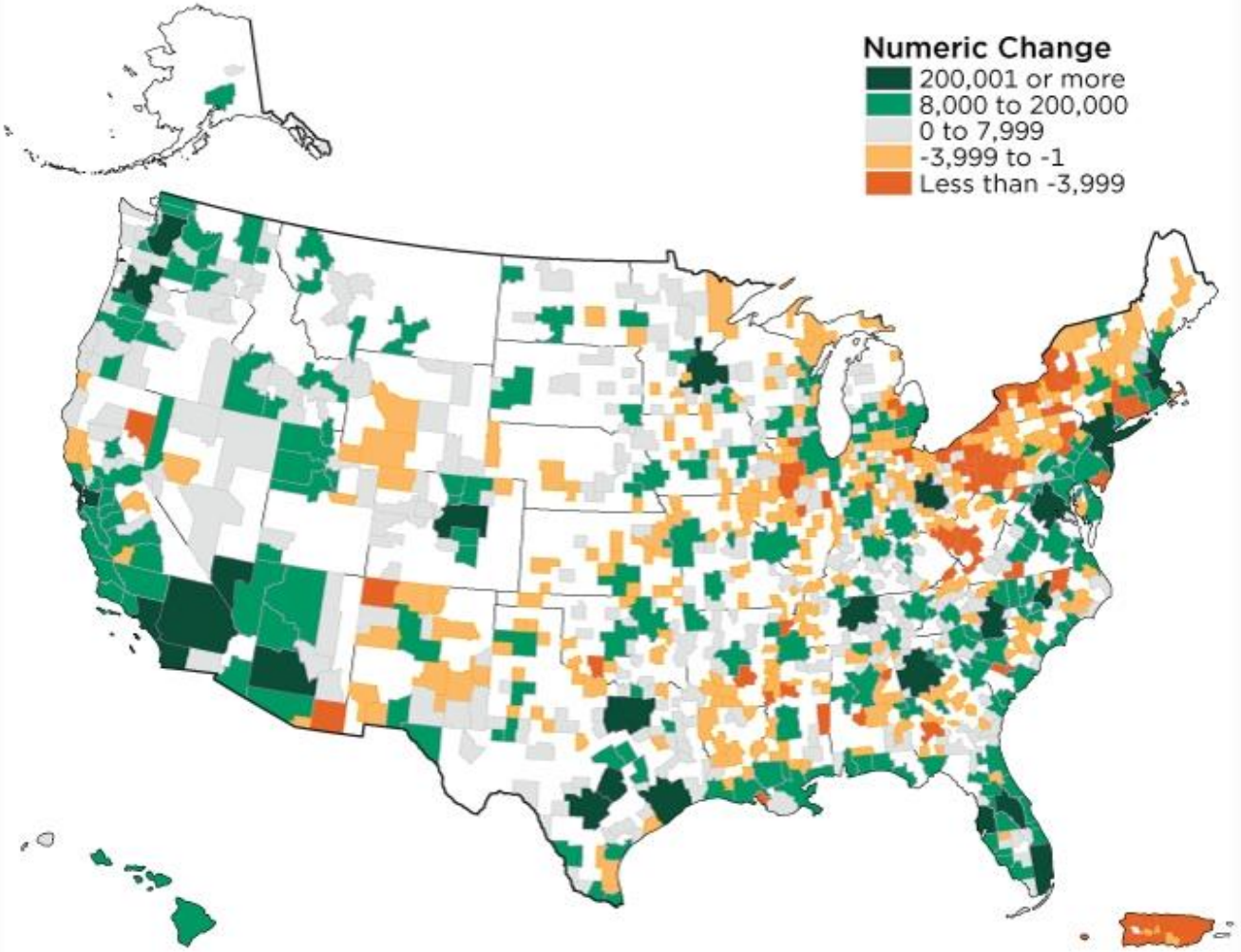
United States® Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Source: Vintage 2018 Population Estimates

Where the Population is Changing

Numeric Population Change by Metropolitan and Micropolitan Statistical Area, 2010-2018



Note: Metropolitan and micropolitan statistical areas delineated by the Office of Management and Budget as of August 2017.

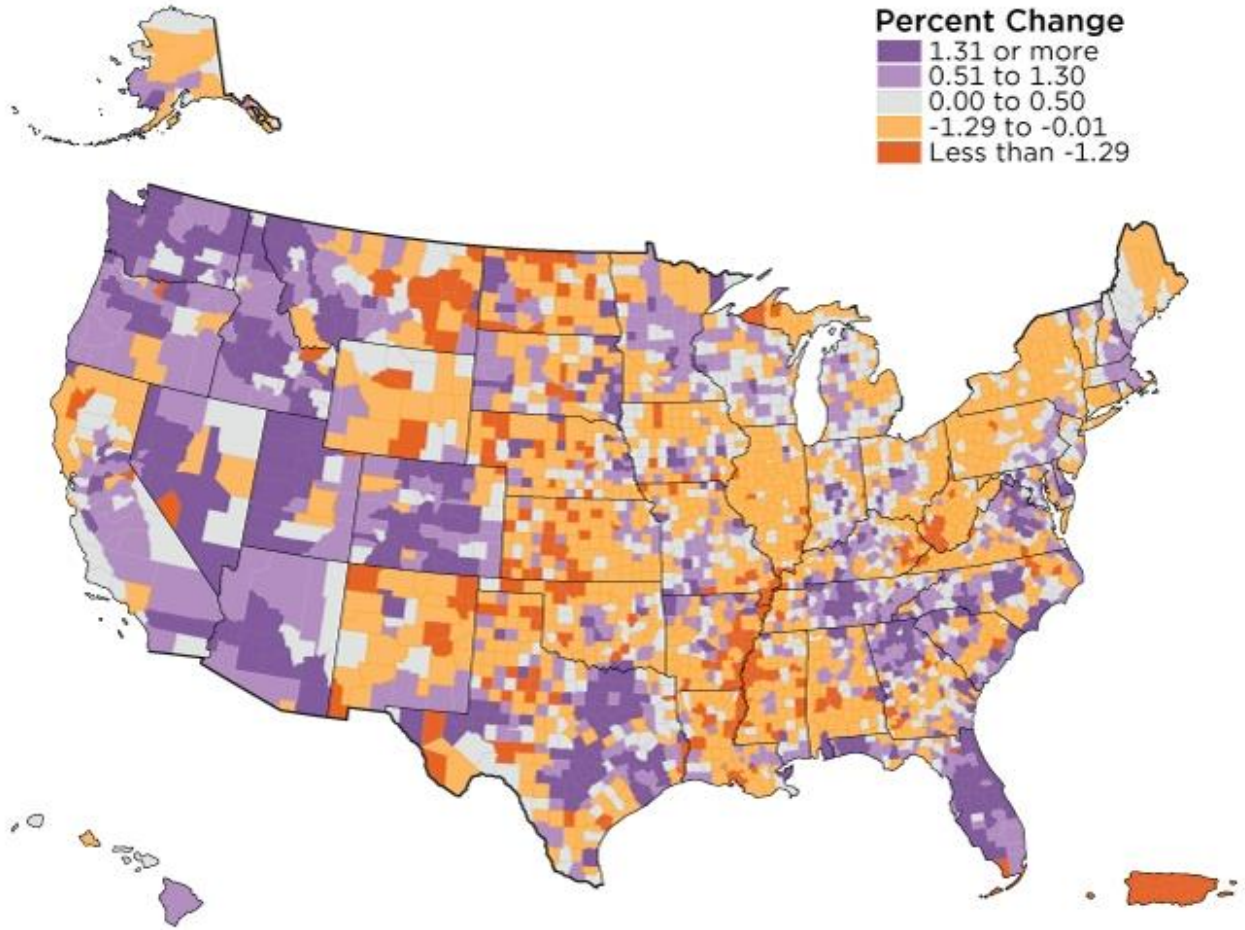
United States® Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Source: U.S. Census Bureau, Vintage 2018 Population Estimates.

Where the Population is Changing

Percent Population Change by County and Municipio, 2017-2018



United States® Census Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Source: U.S. Census Bureau, Vintage 2018 Population Estimates.

Rezoning NFL: Checklist

_____I. Correctly locate and identify locations of current NFL teams on map
(Know the correct name, and geographical location)

_____II. Upon researching census data and trends of cities, choose 8 cities to host new NFL franchises (that currently do not have a team). Cities should demonstrate "range" and "threshold," and cities should show growth and potential.

_____III. Organize and list rationale/justification for locations of new franchises. Selected cities for new franchises should be logical choices, based on data. Be prepared to present out rationales and defend.

_____IV. All new franchises have been given logos/mascots/nicknames

_____V. Rezone all NFL Conferences so they are geographically/environmentally sensible and responsible.

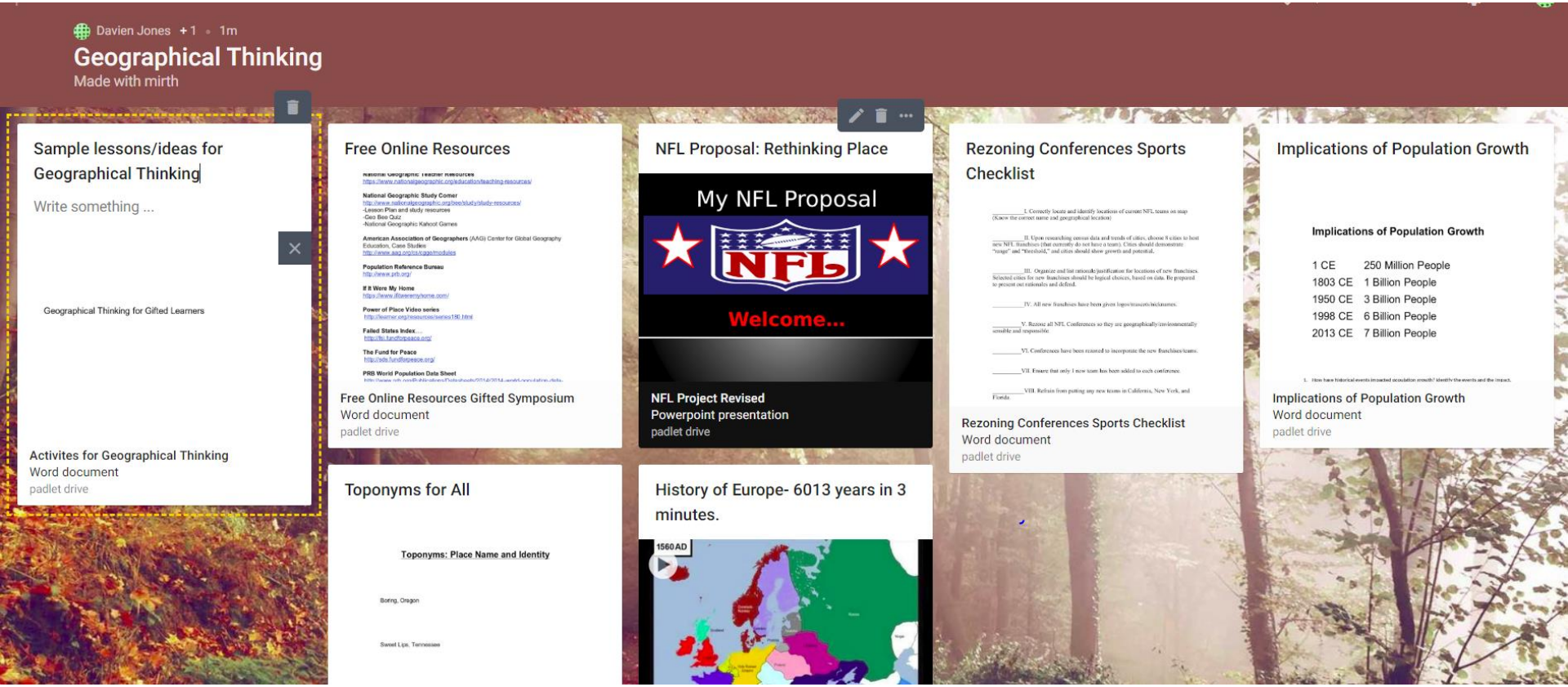
_____VI. Conferences have been rezoned to incorporate the New Teams.

_____VII. Ensure that only 1 new team have been added to each conference

_____VIII. Refrain from putting any new teams in California, New York, and Florida.

Pause for the Cause

Resources for You on Padlet Site



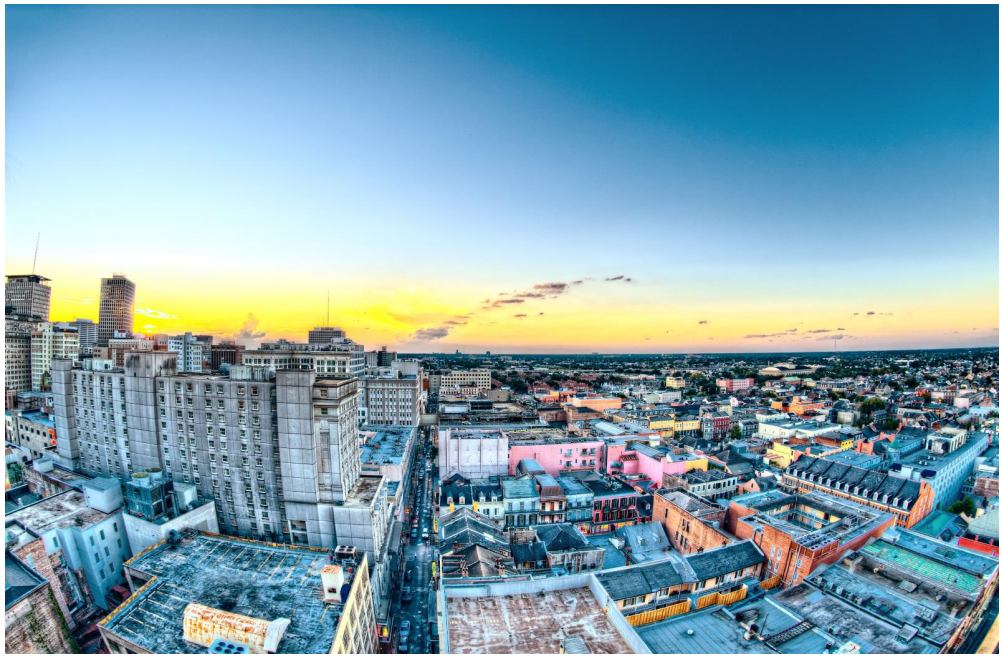
All files can be found at:
https://padlet.com/BrowardSS/geography

Station Rotation Overview

Music Bonus Station- Geography Genres
-Geographer Playlist, Apple Store, Play Store, Music search

- **Billy Bragg- Trunk Road to Sea**
- **Simon & Garfunkel- America**
- **The Clash- London's Burning**
- **LiL Nas X/Billy Ray Cyrus- Old Town Road**
- **Ain't No Mountain High Enough**
- **Bing Crosby- Swanee River**
- **Ray Charles- America the Beautiful**
- **Lee Greenwood- God Bless the U.S.A**
- **Neil Diamond- America**
- **Woody Guthrie- This Land is your Land**
- **The Four Lads- Istanbul not Constantinople**
- **Lynyrd Skynyrd- Sweet Home Alabama**
- **Frank Sinatra- New York, New York**
- **Billy Joel- New York State of Mind**
- **Lee Dorsey- Working in a Coal Mine**
- **Calixa Lavallee- O Canada**
- **Louis Armstrong- Basin Street Blues**
- **Route 66- Nat King Cole – Chuck Berry**
- **The Beach Boys- California Girls**
- **Jay-Z/Alicia Keys- Empire State of Mind**
- **Lin-Manuel Miranda- Yorktown**
- **John Denver- Rocky Mountain High**

Infusing Geography into all Content Areas



Scholarly Contributions by:
Marie Feeney-Dirito, SBBC Staff Developer
John O'brien, College Board Consultant

Thank you, hope this was meaningful!

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-Secondary Learning Department, Secondary Social Studies