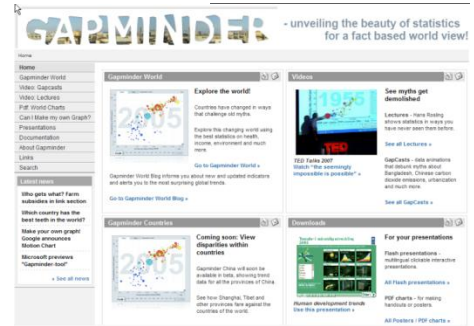


GIS Across Time and Space Nothing But Net 2012

Demographic and World Development Data

1. A Changing World www.gapminder.org



From the home page choose Gapminder World
Click the play button and watch the animation

How does income affect a person's quality of life?

Rank the continents in order of increasing quality of life.

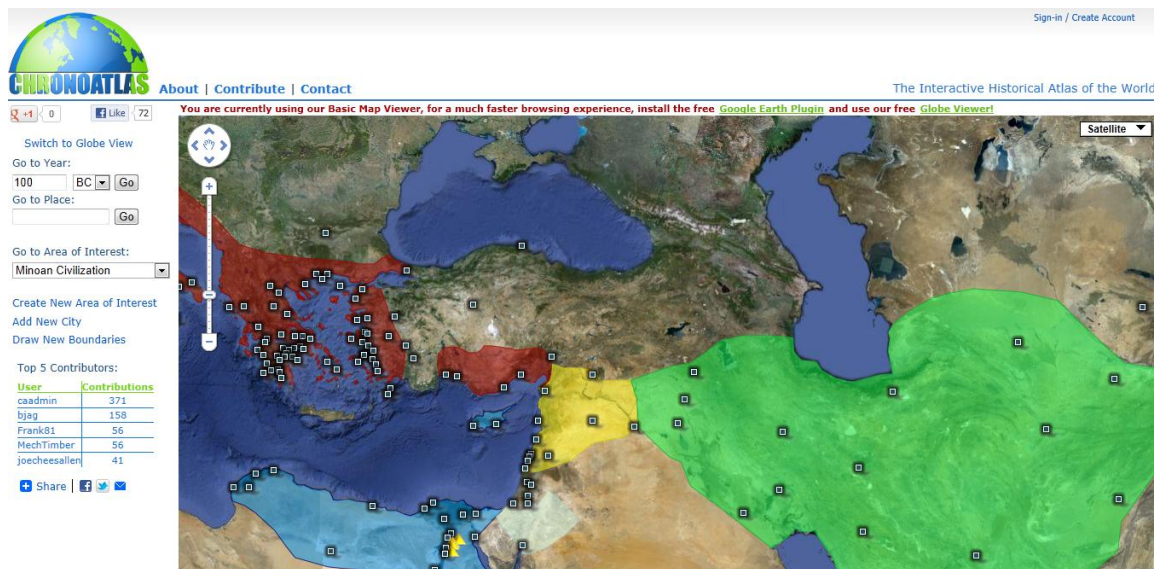
Open and click through the slide show on worldwide wealth distribution from the lower right corner.

Look for changes in either health or economic indicators. Can you describe what was happening in a country that might account for these changes?

Support your answer with data.

Historical Boundaries of Nation States and Related images

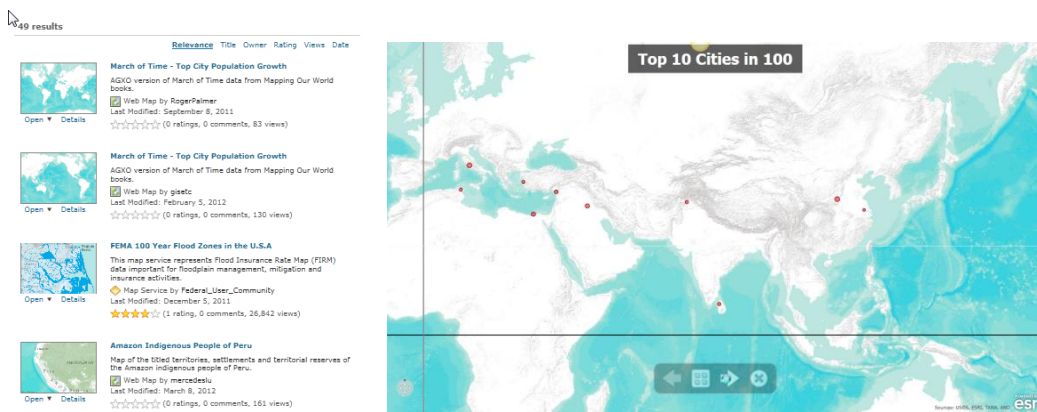
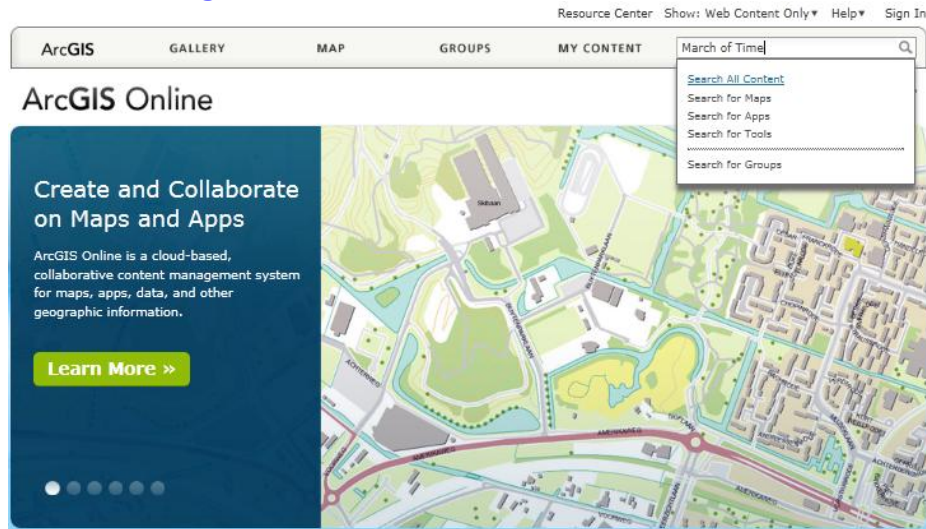
2. <http://www.chronoatlas.com/MapView.aspx>



Follow a particular kingdom and find when dramatic changes occur and research the causes.

March of Time and other resources from ArcGIS online

3. www.arcgis.com/home



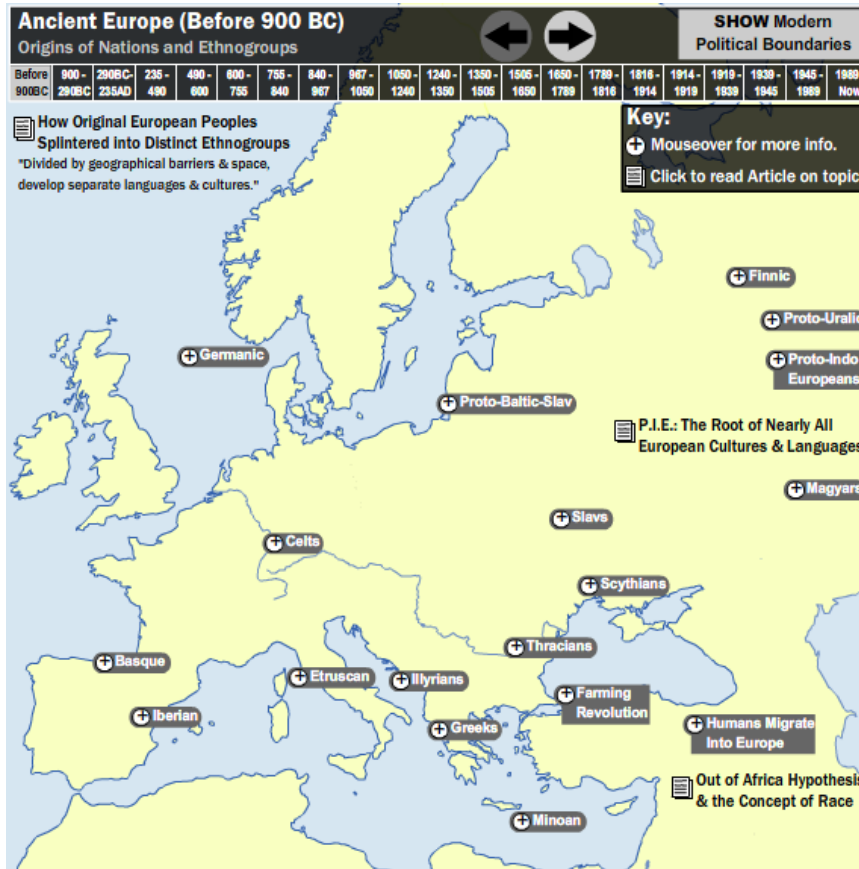
Search for March of Time

Online map version of Mapping Our World, *March of Time* lesson.

What are some of the forces impacting the distribution in the world's largest cities at these time periods?

Great Graphic organization of European People and Places

4. http://www.worldology.com/Europe/europe_history_lg.htm



Choose a time in history and follow a people group to see how they influenced the formation of a region / country

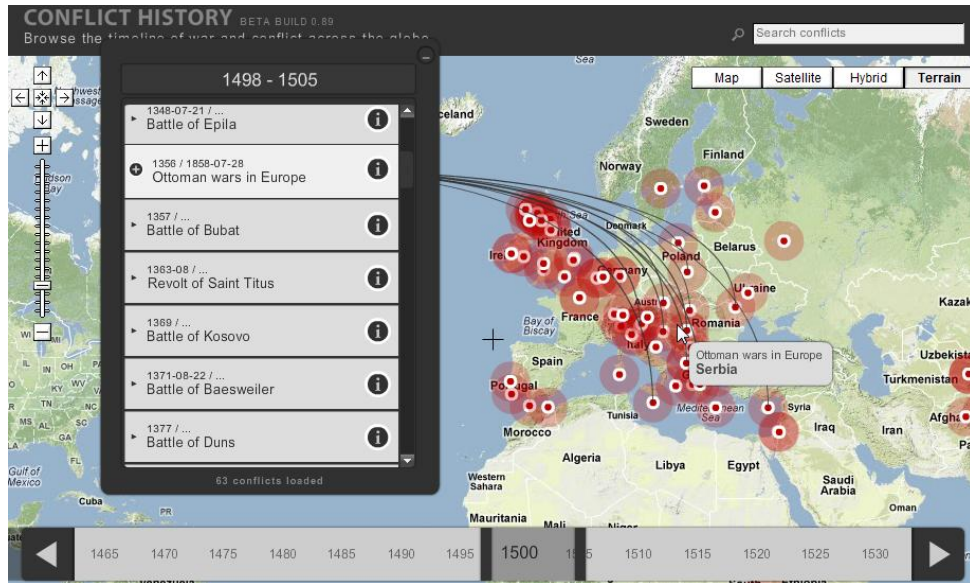
Choose a country and work your way back to see how its borders are influenced by geography and particular events in history. "How the Euro-states got their shapes".

Use the imagery to show longer-term interactions between regional kingdoms.

Assign a kingdom and consider what political and migrational influences helped form its boundaries or what led to its demise.

Conflicts in history

5. <http://www.conflicthistory.com/#/period/1688-1694>



Investigate conflict throughout time to search for periods of higher or lower conflict. If they are evident, can a scan of time both before and after give evidence for the lack or abundance of conflict?

Narrow down or widen the time span to see if that helps narrow down changes in competition for resources.

Research webs of related conflict. Single characters' ambitions at unification (i.e. Alexander the Great). Larger competition between countries for resources (i.e. slavery, extraction resources, colonialization...)

Map visualizations in times of conflict

6. <http://www.mapsofwar.com/download.html>

(if you want these without ads)



Choose the March of Democracy

Follow through and define the types of government highlighted in the animation.

Highlight specific changes in history and have students find out what were the causes of these changes?

- i.e. The modern uptake of democracy
- The change of feudalism to nationalism
- How wars set the stage for changes in government
- Who are those responsible for propagating any one of these types of government.
- What did it take to make any one of these types fail?
(i.e. Why did the Roman Republic break apart into the feudal states in Europe? What has caused the fall of many communist states?)

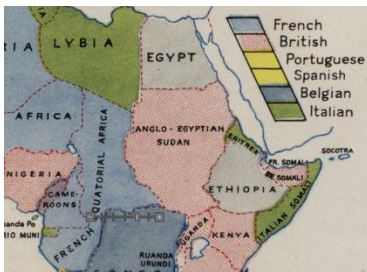
Online map collections built to engage participant historians!

7. www.DavidRumsey.com



At the bottom of the home page, maps of time-based phenomena are currently highlighted. The direct link for future reference is:

<http://www.davidrumsey.com/blog/2012/3/28/timeline-maps>.



Old atlases show historic thinking. Descriptions from the students' viewpoint would be good for them to examine from our current vantage point.