

Target Audience - Virginia Studies, Grade 4, 5

Time required – 15 minutes

Activity		Explore English and Virginia Indian settlement patterns between 1607 – 1634.
Virginia Standards of Learning	VS.3g	The student will demonstrate an understanding of the first permanent English settlement in America by describing the interactions between the English settlers and the native peoples.
Learning Outcomes	Students will be able to - Describe Jamestown's relative location at different scales (local, state, regional) - Analyze the patterns and the effects of Virginia Indian and English colonist settlement between 1607 – 1634.	

MAP URL: bit.ly/VAGeo1



Ask

Where is Jamestown?

- Click the link above to launch the map and click on the river nearest Jamestown.
- ? Near what bodies of water is Jamestown located? (*near the Chesapeake Bay, along the James River*)
- Close the James River Pop-up. Click Modify Map.
- Select the Bookmarks button next to the Search window. Choose Virginia.
- In the Search bar, type in your school's city/town. (See *ToolTip* on the next page.)
- ? Where is Jamestown in relationship to your school's location? (*answers will vary, encourage use of cardinal directions, distance, etc.*)
- Select Bookmarks, choose Jamestown–Atlantic and read the Map Note located near London, England.
- ? What is the relationship between Jamestown and England? (*It was founded by the Virginia Company of London and is named after James I of England.*)
- ? Where is Jamestown located in relationship to England (*across the Atlantic Ocean*)



Acquire

Who lived near the Chesapeake Bay in 1607?

- Select Bookmarks and choose Eastern Virginia.
- With the Details button underlined, click the button, Show Contents of Map. (Content). Check (turn on) the layer, Chesapeake Indian Settlements. Click on various map features to explore where Virginia Indians lived during the early 17th century.
- ? Who lived in Virginia when the English arrived in 1607? Where did they live? (*thousands of Indians lived along the Chesapeake Bay, they lived on the coasts, along the rivers, and coastal areas*)
- Make a heat map. Click on the Chesapeake Indian Settlements layer. Click Change Style > Heat Map > Select > Done. (See *ToolTip* on the next page)
- What patterns do you notice when the map changes from points to a heat map? (*a higher number of settlements between the James River, York River, and Rappahannock rivers*)

Explore

Why and where did John Smith place crosses?

- Read the Map Note in the Chesapeake Bay.
- ? Why do you think John Smith explored and mapped the Chesapeake Bay? (*to map the rivers, document who lived in Virginia, and to send reports back to England*)
- Turn on the layer, John Smith's Crosses. Then click on More Options (3 dots) > Zoom to.
- ? What relationship do you notice between John Smith's exploration and the Virginia Indian settlements? (*John Smith's journey followed the recorded Virginia settlements*)

Analyze

Where were English settlements in 1634?

- Turn on the layer, English Settlements, 1634 and Churches, 1634. Turn off the layer, John Smith Crosses.
- ? Between 1607 and 1634, where did the English create settlements? What do these patterns suggest? (*colonists are spreading inland along the James River, lower Eastern Shore, and the lower York River; Churches demonstrate larger, more established places*)
- ? What is the relationship between English and Virginia Indian settlements? (*settlements overlap*)
- ? What questions does this raise? (*questions will vary; tie discussion to possible conflict and cooperation*)

Act

What is the relationship with Virginia today and Virginia 1634?

- Click on the Bookmark for Virginia and turn on the layers, Virginia Places, 2015 and Virginia Indian Lands, 2015. Turn off all other layers.
- ? What patterns do you notice? (*There are places and settlements all over Virginia today. Virginia Indians lands are located in eastern and central Virginia.*)
- Turn on the Chesapeake Indian Settlements layer.
- ? What is the relationship between Virginia today and Virginia 1634? What questions do you have? (*Answers will vary*)

SEARCH BAR	HEAT MAP
- Click the search bar "find address or place." - Type in your address or town. - Press Enter. - Use the Zoom out tool to see your location at different scales.	- Click on the Contents tab. - Hover over the layer you want to symbolize and choose Change Style. - Click on Heat Map. - Choose Done.
Next Steps	
EXTEND LEARNING . . . Complete the Jamestown and America's First Counties lesson from the <i>Jamestown to Appomattox, Mapping US History with GIS</i> book (Carte Diem Press).	
DID YOU KNOW? ArcGIS Online is a mapping platform freely available to U.S. public, private, and home schools as a part of the White House ConnectED Initiative. A school subscription provides additional security, privacy, and content features. Learn more about ArcGIS Online and how to get a school subscription at http://connected.esri.com .	
THEN TRY THIS . . . Use the Analysis tools, Proximity, Connect Origins to Destinations, to visualize the distance between Powhatan's town at Werowocomoco and the other Indian settlements.	

Send feedback to: vageoinquiries@gmail.com

Additional materials at <https://php/radford.edu/~vga>

Learn more about Virginia's people and places in *An Atlas of Virginia*

Virginia GeoInquiries are available to the public at no cost and were made possible with support from the Virginia Geographic Alliance and Esri.



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