STUDENT RESOURCE VII: Zombie Viewshed Activity

Scenario:

The community you live in has been overrun by Zombies (or Aliens, a foreign invader...etc.), and you need an escape route. Using what you've learned about geographic representations, especially the concept of viewshed, identify one "view" from your current location that would provide the best view if you were trying to escape Zombies from your current location. Write one paragraph describing what you would see.

Next, go to the location, take a photo using a digital device and compare with your written description. Was it what you expected? Upload the photo to share with class along with an explanation of why you selected this location based <u>only</u> on what is visible in the photograph. If you do not have a device, use Google Maps, and take a screenshot of the street level view (see example below).

Consider how you would represent the view on a map. Create a map that shows the path and the representation of the "terrain" in your area. Identify the possible view by shading a "triangle" to represent the viewshed. Describe your plan for escape, supporting your decisions with evidence based on your photographs and the map.

Once you have completed the map and other tasks, describe what cannot be seen outside the frame of the photo (beyond the viewshed), either to the right, left, or behind you and why/how this information is important for making an educated guess about the best path to escape the zombies.

Finally, reflect on this activity and describe how it helped you to re-see either the area you were focusing on, or one of your classmate's paths.



Example 1: Path that I would take to. escape. (Google Maps, 2017)

Example 2: What I can see from where I took the photograph. (Sight is limited by trees, buildings, etc.,) (Google Maps, 2017)