

## 1Q: Zombie Apocalypse-Survival Plan

**WebQuest Description:** (Criterion C & D) This project is designed to help you understand the FIVE THEMES OF GEOGRAPHY. You must apply these to their Zombie Survival Guide that you will create in an attempt to help human civilization survive this catastrophe!

**Grade Level:** 9-12

**Curriculum:** Social Studies

**Keywords:** Geography, Five Themes, Critical Thinking, IBO, MYP, HUMANITIES

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### Introduction

A huge yet unknown catastrophic event has changed the world as we know it. One of the major results of this event is the spread of zombies across the globe. People all around the world are trying to survive this zombie invasion the best way they can. It will take skill, and of course BRAINS to figure out the best way to survive this catastrophe! Do you have what it takes? Can you use what is in YOUR BRAIN to SURVIVE the ZOMBIE APOCALYPSE!?

### Tasks

You will create a user-friendly ZOMBIE APOCALYPSE SURVIVAL GUIDE. Keep in mind and use all FIVE THEMES of GEOGRAPHY as you create your guide. Create a PRESENTATION of How To Survive the Zombie Apocalypse that is a usable SURVIVAL GUIDE for anyone wanting to survive the Zombie Apocalypse. (Pay attention to design in regard to organization, and being "user friendly.") The presentation (minimum 8 slides) will be created using Google Drive Presentation Tool. Think of this as an INFOMERCIAL as you try to sell your guide to the general public. Illustrations, maps, diagrams...etc. should be included in your presentation. You will complete the following SIX MODULES as research for your ZOMBIE SURVIVAL GUIDE. Each module will help with at least one aspect of GEOGRAPHY that will important to surviving the Zombie Apocalypse. In addition to including something from EACH of these modules in your presentation, you need to USE YOUR BRAIN (before the Zombies get it) to be creative and include specific things (not covered in the modules) that would be necessary for surviving. (Types of weapons, clothes...etc) GOOD LUCK! And may you SURVIVE the ZOMBIES!!!!

### Process

Create a FOLDER in your DIGITAL PORTFOLIO on GOOGLE DRIVE in your 1st Quarter FOLDER and, name it ZOMBIE. (Be sure you put the folder in your 1st Quarter folder) You will be adding files to this folder throughout this project. \*\*\*\*KEEP IN MIND\*\*\*\* You will also be asked several times to take SCREEN SHOTS of things you have created ON THE COMPUTER and Photographs of projects you will create in class (not on the computer) and then add them to your ZOMBIE FOLDER. The EASIEST way to upload photographs of projects from the classroom is to EMAIL the photo to yourself and then download it and add it to your ZOMBIE FOLDER. Create NON-Digital project---->Use smart phone to photograph it---->email it to yourself---->download it---->save it to your ZOMBIE FOLDER on GOOGLE DRIVE. Create DIGITAL project---->Take a SCREEN SHOT of the computer screen---->save it to your Desktop---->save it to your ZOMBIE FOLDER on GOOGLE DRIVERESOURCES BELOW: these aren't required for the project, but I think they will help you in understanding what things will be happening during a Zombie Apocalypse and what you would need to be able to do to survive it. So take a look at some of them before you get started. Proceed to Part 1: Track the Outbreak.

If the zombie virus was spreading, wouldn't you want to know where it was going? How does geography help us stay ahead of the zombie outbreak? In this project, you will learn to use geographic tools and data to track the spread of the zombie apocalypse. STEP 1: DOWNLOAD the Zombie Attack Data file and save it to your DESKTOP. STEP 2: OPEN the PDF file Monitoring Zombie Attack Data; STEP 3: COMPLETE all the directions in the Monitoring Zombie Attack Data. (When the directions mention downloading "Zombie Attack Data from Edmodo" in steps 25 and 27, ignore that, you have already downloaded that file to your desktop in the last step) STEP 4: TAKE a SCREENSHOT of your FINAL MAP, and SAVE it to your ZOMBIE FOLDER on GOOGLE DRIVE and name it ZMAP1 STEP 5: OPEN a document on GOOGLE DRIVE and ANSWER the questions at the end of the Monitoring Zombie Attack Data. Save this document to your ZOMBIE FOLDER on GOOGLE DRIVE and name it ZDAY1. STEP 6: On your ArcGIS map under CONTENTS click the arrow to the right of Zombie Attack Data and select REMOVE. Repeat for the second Zombie Attack Data that is listed. Once you have removed both of them, click SAVE at the top of the map. When that opens, click SAVE a second time. STEP 7: Log in to KID BLOG and create a blog entry, REFLECTING on what you learned from this MODULE. Which of the FIVE THEMES OF GEOGRAPHY did you use during this part of the ZOMBIE OUTBREAK? Why would they be useful? At the end of this section you should

have TWO files in your ZOMBIE FOLDER: ZMAP1, and ZDAY1

With your understanding of REGIONS, you are going to create a REGIONAL MAP of the United States that will display WHO should be warned/helped and WHEN based on the data you obtained in Process 1: Tracking the Outbreak. Materials needed: copy of the UNITED STATES outline map, color pencils or crayons, markers

STEP 1: CREATE CRITERIA for your warning zones. Criteria includes any identifiable piece of information about a place. It can be the presence or absence of something or a varying amount of something (population for example, places which have zombie attacks..etc). Use the information from yesterday (go back and look at your map from yesterday if needed) and create 5 "Warning Zones. You will need to decide how to divide the nation into these zones, and define the criteria for dividing these regions. (things to think about distances, transportation options, physical features, population density...etc) When you have made your list of criteria, CREATE a DOCUMENT on GOOGLE DRIVE and type your list. Save it in your ZOMBIE FOLDER as ZDAY2.

STEP 2: IDENTIFY BORDERS of your 5 ZONES.: Once you have identified the criteria you plan to base your regions on, you need to identify the border of those regions. This requires data or information from the locations, about your criteria. You then use that data to distinguish between places which meet the criteria you set up in STEP 1. You already thought about some of this in Step 1.

STEP 3: DISPLAY REGIONS: After you have chosen criteria and used the data to identify the borders of your regions (5 zones), you can place the regions on your BLANK MAP. Draw the borders (which show how the location meets the criteria) onto a map. Use shading, symbols, labels, or colors to distinguish different regions.

STEP 4: PHOTOGRAPH your completed WARNING ZONE MAP and then email it to yourself and upload it to your GOOGLE DRIVE ZOMBIE FOLDER and name it ZMAP2. (If you or a friend don't have a phone that will do this, you can turn in your MAP to Mr. Beavers.)

STEP 5: Log in to KID BLOG and create a blog entry, REFLECTING on what you learned from this MODULE. Which of the FIVE THEMES OF GEOGRAPHY did you use during this part of the ZOMBIE OUTBREAK? Why would they be useful?\*\*\*\*At the end of this section you should have FOUR files in your ZOMBIE FOLDER: ZMAP2, ZDAY2, ZMAP1, and ZDAY1

The Zombie Outbreak is in full swing! Your neighborhood received the Warning two days before the first zombies began appearing in your area. What is your first response? First response is what you do immediately after a catastrophe occurs. You must move quickly and think quickly. The smallest mistake or bad decision could be disastrous. So make wise choices.

TASK 1: CREATE a First Response Mental Map of your neighborhood (you may include other parts of the city if needed). What places in your NEIGHBORHOOD would you go to in a zombie outbreak? What do you do? Who do you need? What do you need? Where would you get supplies? Where would you avoid? Where would you find shelter?

TASK 2: CREATE ON YOUR MAP, an explanation for each part of your Mental Map. Explain each of the choices you have made. Keep in mind WHEN, WHERE, WHY, WHO, and HOW as you explain your Mental Map. (Example: You identify a place on your map for shelter- next to it write your explanation of why this place.)

TASK 3: MAKE a SNAP SHOT of your MENTAL MAP using your phone (or have a friend do it or scan it, or ONLY if you don't have a phone to use, give your map to Mr. Beavers). Add this to your ZOMBIE FOLDER on GOOGLE DRIVE and name it ZMAP3

TASK 4: Log in to KID BLOG and create a blog entry, REFLECTING on what you learned from this MODULE. Which of the FIVE THEMES OF GEOGRAPHY did you use during this part of the ZOMBIE OUTBREAK? Why would they be useful?\*\*\*\*At the end of this section you should have FIVE files in your ZOMBIE FOLDER: ZMAP3, ZMAP2, ZDAY2, ZMAP1, and ZDAY1

Just because it's the zombie apocalypse, doesn't mean the Earth doesn't stop affecting the survivors. We survivors need to keep dealing with weather, natural hazards, and the constraints of our physical environment. The shelter you created in your neighborhood was for short term safety. You now need to think long term. Why not find the best place to build a stronghold? This project will help make sure you choose a location that will provide all the opportunities you need.

DRIVING QUESTION: How does our physical environment influence our lives or survival? Or, where is the best place to build our stronghold? WHAT YOU'LL PRODUCE: a graphic organizer (using bubbl.us) explaining the best location to build a settlement based on its physical characteristics. YOUR GRAPHIC WILL INCLUDE THE FOLLOWING INFORMATION:

- Location you think would be best to go to build a strong hold settlement.
- Physical characteristics of your location and its surroundings, including how they were formed and how they might change over time.
- Description of the climate of your location and how it is affected by the Sun.
- Opportunities the physical characteristics of your location provide.
- Constraints caused by the physical characteristics of your location.
- Natural hazards you might face in your location and how to avoid them.

STEP 1: OPEN your WARNING ZONE MAP from Part 2: Regional Warning. Find ZONE 3 that you created on your map. This REGION is where you and the other survivors with you have decided to create your stronghold for survival.

STEP 2: Find your ZONE 3 on this map. OPEN <http://www.arcgis.com/home/> and click on MAP at the top.

STEP 3: OPEN the file below: GIS: Zombie Attack and follow steps 12-24 on the MAP.

STEP 4: CLICK on BASE MAP on the tool bar. Select TOPOGRAPHIC.

STEP 5: The population and topography information on this map are great places to start thinking about completing this task.

STEP 6: Use these maps (and others) to help decide where to best create a STRONG HOLD during the Zombie Apocalypse, keeping in mind the guidelines above. Once you have selected a place for your stronghold, use the INTERNET to find out about climate...etc.

STEP 7: Open bubbl.us and create your graphic. (There is a HOW TO...video below on how to use Bubbl.us)

STEP 8: SAVE your graphic organizer to your GOOGLE DRIVE ZOMBIE FOLDER and name it ZDAY4.

STEP 9: Log in to KID BLOG and create a blog entry, REFLECTING on what you learned from this MODULE. Which of the FIVE THEMES OF GEOGRAPHY did you use during this part of the ZOMBIE OUTBREAK? Why would they be useful?\*\*\*\*At the end of this section you should have SIX files in your ZOMBIE FOLDER: ZDAY3, ZMAP3, ZMAP2, ZDAY2, ZMAP1, and ZDAY1



REFER to the EVALUATION page of this WebQuest for the Assessment RUBRICS that will be used for grading. DIGITAL & PORTFOLIO in your ZOMBIE FOLDER: PART 1: You should have the 11 files from the six modules: ZDAY1ZMAP1ZDAY2ZMAP2ZMAP3ZDAY3RESOURCE1RESOURCE2RESOURCE3MIGRATION1MIGRATION2PART 2: You should have a ZOMBIE SURVIVAL GUIDE presentation (save this file as your class block & day, last name, first name and ZOMBIEGUIDE) example: 3ASmithJohnZOMBIEGUIDE PART 3: You should have a minimum of SIX BLOG REFLECTIONS for the modules, and ONE final BLOG REFLECTION (see the next module)

You will create a blog post after you complete each of the modules. You will also complete a FINAL reflection of the whole project after you have completed the final product. Log in to KID BLOG and create a blog entry, REFLECTING on what you learned. Keep the following in mind: What new things did you learn today? How did new knowledge create better understanding? What else do you want to know about this topic? What was difficult about today's work? What did you enjoy the most about today's work? Also... what did you learn from this activity that could actually be of use if a REAL DISASTER hit?

## Evaluation

Criterion C: Thinking critically Maximum: 8 You should be able to: analyze concepts, events, issues, models and/or arguments make connections between information to make valid, well-supported arguments. Criterion D: Communicating Maximum: 8 You should be able to: communicate information and ideas using an appropriate style for the audience and purpose structure information and ideas in a way that is appropriate to the specified format

Category and Score	1-2	3-4	5-6	7-8	Score
Criterion C: Critical Thinking	<ul style="list-style-type: none"> <li>• makes a limited attempt to analyse concepts, events, issues, models or arguments</li> <li>• makes connections between information in a limited attempt to make simple arguments.</li> </ul>	<ul style="list-style-type: none"> <li>• completes a simple analysis of concepts, events, issues, models or arguments</li> <li>• makes connections between information to make simple arguments.</li> </ul>	<ul style="list-style-type: none"> <li>• completes a satisfactory analysis of concepts, events, issues, models or arguments</li> <li>• makes connections between information in order to make valid arguments.</li> </ul>	<ul style="list-style-type: none"> <li>• completes a detailed analysis of concepts, events, issues, models or arguments</li> <li>• makes connections between information to make valid and well-supported arguments.</li> </ul>	
Criterion D: Communicating	<ul style="list-style-type: none"> <li>• tries in a limited way to communicate information and ideas in a style that is appropriate to the audience and purpose</li> <li>• tries in a limited way to structure information according to the task instructions</li> </ul>	<ul style="list-style-type: none"> <li>• communicates information and ideas in a style that is sometimes appropriate to the audience and purpose</li> <li>• structures information sometimes according to the task instructions</li> </ul>	<ul style="list-style-type: none"> <li>• communicates information and ideas in a style that is often appropriate to the audience and purpose</li> <li>• structures information often according to the task instructions</li> </ul>	<ul style="list-style-type: none"> <li>• communicates information and ideas in a style that is completely appropriate to the audience and purpose</li> <li>• structures information and ideas completely according to the task instructions</li> </ul>	
				Total Score	

## Conclusion

You survived the Zombie Apocalypse...but surviving is just the start...now what? Oh there's more to come, Now it is time to BUILD! (For those that didn't survive)

## Teacher Page

Mr. Beavers has worked at JT Moore Middle School through 2013. He joined the faculty of Hillsboro Comprehensive High School in the Fall of 2013 as a member of the Freshman Academy. Mr. Beavers is originally from Florence, Alabama where his family now lives, but grew up in Columbia, Tennessee graduating from Columbia Academy. He has lived in Nashville since 1986. You can follow Mr. Beavers' class on Twitter at <https://twitter.com/search?q=%23hhsbeavers&src=typd> You can follow Mr. Beavers on Twitter @gottagetthepic

### Standards

**Credits**

**Other**