Preston High School Geography Department

**GROUP PRESENTATION INQUIRY PROJECT**

**‘THE GREAT WATER DEBATES’**

UNIT 2 – ESSENTIAL LEARNING

**ESSENTIAL LEARNING*:***

**C2.2** explain how human activities that modify the natural environment may increase the possibility of a natural disaster or intensify its impacts

**C2.1** explain how human modification of the landscape (e.g., urban expansion, paving, river damming or diversion, deforestation, draining of wetlands, mining) affects natural systems (e.g., changes in groundwater, loss of habitat, alteration of food chains, creation of heat domes and other local climatic changes, changes in carbon budget and related climate effects, changes in drainage patterns, impairment of surface water quality)

**E1.1** analyse selected short- and long-term impacts of natural processes in various parts of the world

**TOPIC:** Your second culminating activity has a group of students preparing for a debate about the hydrologic issue you have been assigned. You will have between 10 – 15 minutes to present you side of the argument against those of your opponent. The order of debates will be determined by the flip of a coin. Good luck!

**OVERALL OBJECTIVE:**

Your task is to assess the argument that you have been chosen to defend. You are to use all resources possible to argue the environmental, social cultural, economic and political merits of your position. Defending your position **MUST BE SUPPORTED WITH CITATIONS** both in the presentation itself and in your script. All facts, quotes, statistics, empirical and anecdotal evidence must be prefaced with… “ACCORDING TO..” You will not receive a level 2 or lower mark if you do not find and cite and support your proof, support etc you use. APA format

AGAIN… you must find expert credible sources.

**SPECIFIC EXPECTATIONS:** The United Nations Population Fund has hired you and three other members of an advertising agency. The mandate of the United Nations Population Fund is to help developing countries find ways to help control their population growth. As well as overpopulation, there are concerns about declining populations.

It is your advertising team’s job to present a ten minute infomercial to heighten global awareness of- and present possible solutions to – the problems of a selected country facing rapid population growth or significant population declines. It is obvious that your infomercial be thoroughly researched, carefully planned, and professionally conveyed, so that your audience is engaged and accurately informed.

**Program Highlights:**

**INTERRELATIONSHIPS** - between social, economic, political, and environmental factors with respect to your issue

**CONNECTIONS** - cause and effect, most notably the effects of your topic on the above mentioned areas

**PATTERNS AND TRENDS** collect data from Canadian, U.S. or global sources that show patterns and trend over time that support your topic. These can be costs $, environmental degradation, studies conducted over time etc….

**SPATIAL SIGNIFICANCE** – explore the connections between the geographical location and physical characteristics of your location. Maps are essential. Diagrams are essential.

**SPECIFICS:**

**Topic 1: DAMNATION!! The pros vs. the cons of dams.**

Explore all related information to dam construction large and small to defend your position to either build new dams or destroy current dams and refrain from building new ones. Feel free to use actual information of current dams as case studies to help you.

**PRO TEAM:** *Yousef, Maison, Trevor, Anna, Gavin* Arguing in favour of the benefits of dams.

**CON TEAM:** *Tally, Abby, Tyler, Noel*, Arguing against dam construction and in favour of tearing existing dams down.

**Topic 2: WATER FOR SALE!! The benefits and costs of water sale and privatization.**

Explore the economics of water as a commodity to be bought and sold in any capacity… as bottled water, as mass diversions across borders, as a resource in private hands versus water as a basic human right that should not be bought and sold by corporations, but should be carefully be managed by people through responsible governments.

**PRO TEAM**: *Julijana, Amber, Liam, Alayna,* Arguing in favour of corporate control and sale of water.

**CON TEAM**: *Triniti, Ethan, Adam, Emma,*  *Peyton,* Water should be a human right and not fall into the hands of companies and corporations.

**Topic 3: THE BATTLE OF WATERLOO!! Should Waterloo region manage our local water better or build a pipeline to the Great Lakes to satisfy our growing thirst!**

Waterloo Region is growing and using more water. Research our options for finding more water for the region, or limiting and conserving what we have, by limiting growth or finding new sources of water by pumping it from the Great Lakes. You will need to look into both our local needs and future projections, studies and the legality of pumping water from the Great Lakes… What would the Americans think?? Would they allow it?

**PRO TEAM:** *Danica, Ben, Natalie, Jacob, Christina*Arguing for a pipeline from the Great Lakes to meet our water needs.

**CON TEAM:** *Tim, Nancy, Sophia, Hannah***,** Arguing against local sustainable water practices and limiting growth

**PRESENTATION**

In your groupings you will present your findings in PowerPoint fashion. Presentations should be approximately 10 minutes. Please rehearse and create a script. You may use any means and combinations of formats to both interest the audience and prove your points…

**DEBATE FORMAT**

Each group will present their argument. The other team will have 2 minutes to refute or challenge you on what you have said immediately after you present.

**CITATIONS**

**APA FORMAT** FOR **ALL** TEXT, TABLES, CHARTS AND GRAPHS. NOT PICTURES

CITATIONS SHOULD BE ON YOUR SLIDES, SCREEN SHOTS, ORALLY FOR DIRECT QUOTATIONS, PARAPHRASING AND APPLICABLE GRAPHICS.

REFERENCE PAGE WILL BE ON 8 ½ X 11 PAPER

**DUE: TUESDAY OCTOBER 27**