**Name:**

**COL – Applications of Digital Learning 10**

**Solution Fluency Assignment**

***What’s the Word Around Town?***

**Goal:** The goal of the *What’s the Word Around Town?* assignment is to explore, assess, and determine how the Canada’s physiographic regions have an impact on the development of cities and towns within them. In order to take part in the solution fluency process you will be asked to identify how a community’s physical landforms, climate, and vegetation impact its development. This will require you to define and explore how the physical geography impacted development, and furthermore, dream of possibilities that could exist in the future. You will be asked to deliver this project through maphub.com and reflect on it through your ***Edublog.*** The Reflection will provide you with an opportunity to critically analyze the processes and product of your work, allowing you to internalize your learning in a manner that can transfer to future circumstances.

**Big Idea(s):**

*Personal design choices require self-exploration and refinement of skills.*

*Tools and technology have an impact on people’s lives*

**Content Competencies:**

Students will know the following:

* Solution Fluency
* How to navigate digital platforms
* Use of online databases for research
* Digital search tools and engines
* How to embed content
* Navigate digital platforms
* Digital Responsibility

**Curricular Competencies:**

* Practice critical consumption while learning to understand context, define the problem and its impact on communities, and generate ideas.
* Engage in a period of research and empathetic observation
* Identify criteria for success, intended impact, and any constraints
* Identify and use a variety of sources of inspiration and information
* Critically reflect on their design thinking and processes, and identify new design goals
* Effectively utilize a research process when conducting an inquiry
* Recognize and evaluate the authenticity and reliability of information
* Make a step by step plan for production and carry it out, making changes as needed

**S.S. 10-Geography Unit Assignment**

* Having now looked at the physical and cultural characteristics of the physical regions of Canada, you will now pick a town in Canada that involves all of those characteristics. The town you pick must not be Vancouver nor Victoria but may be any other town in Canada. Your notes and the internet will provide you the answers to the following project criteria you must find:
* 1) Physical Landforms-identify two different types of landforms found in/around your town
* -explain why they exist in/around this town
* -identify and explain 2 economic activities that exist in/around this because of those physical characteristics here
* 2) Climate-identify two different types of climate characteristics found in/around your town
* -explain why they exist in/around this town
* -identify and explain 2 economic activities that exist in/around this town because of the climate characteristics here
* 3) Vegetation-identify two different types of vegetation found in/around your town
* -explain why they exist in/around this town
* -identify and explain 3 economic activities that exist in/around this town because of the vegetation types here
* Once completed you will have to dream of the future and identify a minimum of 3 developments that you think would positively benefit the community based on the physical landforms, climate and vegetation that exist! An example of this would be WildPlay in Maple Ridge, due to the forest they have, a company was created that combined nature with outdoor adventure and obstacles!
* **Marks are as follows:**
* **Physical landforms 2**
* **why they exist in/around town 2**
* **2 economic activities & explanations 4**
* **Climate characteristics 2**
* **why they exist in/around the town 2**
* **2 economic activities & explanations 4**
* **Vegetation characteristics 2**
* **why they exist in/around this town 2**
* **2 economic activities & explanations 4**
* **Overall Presentation \_\_4\_\_**
* **28**

**ADL Instructions:**

1. Determine how physical landforms, climate, and vegetation impact the community within your physiographic region (This will require research and investigation).
2. Find a minimum of **three** outside sources to incorporate in your visual presentation. You must ensure that these sources are trustworthy, reliable, and informative based off the innovation you have chosen.
3. Create a visual presentation on Maphub.com illustrating the following:
4. What are the physical landforms, climate, and vegetation in my community? Why do they exist and what economic activities do they create?
5. In what ways do these geographic features positively impact the growth and sustainability of the city/town that I chose?
6. Imagine the world 25 years from now. Offer a minimum of 3 further developments that could exist in your community based on the physical landforms, climate, and vegetation that surround the city/town.
7. Incorporate images to support your information and provide visual quality to your presentation. Remember that you must **CITE** images that you find online.
8. Create a bibliography and incorporate it within your project, using correct citation format.
9. Once you are finished, download and/or save your OneDrive as ***What’s the Word Around Town Project.***
10. Go to your Edublog and create a new post to submit the file on your ***Edublog*** (See Assignment Submission below).
11. Post a Reflection text under your Assignment (See Reflection Instructions below).

**Reflection Instructions:**

1. Was I able to identify how the geography impacts the town/city with ease? How was I able to find how the physical geography impacted these communities?
2. How did I build my project from a backwards design? Was I able to dream of the future and identify solutions through that process?
3. Were you satisfied with the result of your design and solutions?
4. How would you refine your assignment in the future?

**Assignment Submission:** In addition to submitting this to Mr. Wilkinson please submit this to Mr. Basso on your Edublog.

* Create a new post and title it: **What’s the Word Around Town?** Add in the **Category ADL**, as well as the **Category Socials 9**. **Tag** this assignment with the following tags: **#wordaroundtown #SolutionFluencyProject #Socials9 #ADL #Basso**
* Add the file of the **Geography Project** you saved
* Add your **Reflection** as text under your post

***The 6 D’s of Solution Fluency***

***Define*** – The ability to define the problem. Am I able to identify how the geography has impacted the community and plan where I am going before I start?

***Discover*** – This is the phase where we explore the problem. How did this occur? What are the consequences? What could have been done differently to produce a different result?

***Dream*** – After we have understood where we are (defining the problem) and how we got there (discover), we are prepared to *DREAM* of potential solutions. This a whole-minded process that will require us to imagine a solution as it will exist in the future.

***Design*** – The ability to build backwards from the future, identifying milestones for our work and creating achievable deadlines. Starting with the end in mind, then building steps backwards.

***Deliver*** – The ability to identify the most appropriate format for presenting the information and using that format to present the information or solution to the problem.

***Debrief*** – The ability to reflect critically on the processes and product of our work. By doing so, we can internalize new learnings, and transfer the learning to new and different circumstances.

**Solution Fluency Rubric:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Criteria** | **Not**  **Acceptable**  **0** | **Emerging**  **1** | **Developing**  **2** | **Proficient**  **3** | **Extending**  **4** |
| **Critically assessing the problem and exploring the consequences**    **(Define**  **& Discover)** | Incomplete or Missing | There is an initial identification of criteria or skills needed in relation to the assignment. The geographic connection has been identified, but there is little to no exploration of the consequences and sources are unreliable. | Partially identifies the criteria and skills needed in relation to the assignment.  The geographic connection has been identified, but there is satisfactory exploration of the consequences and there is a minimal use of reliable sources. | Identifies the criteria and skills needed in relation to the assignment and develops them.  Correctly identifies the geographic connection and through exploration, is able to illustrate the consequences in a detailed manner. There is a number of reliable sources utilized. | Successfully identifies the criteria and skills needed in relation to the assignment and develops and refines them. Identifies the geographic connection and can illustrate the consequences from multiple lenses. There is a plethora of reliable sources utilized from different types of media. |
| **Identifying solutions to the problem**  **(Dream, Design & Deliver)** | Incomplete or Missing | There is initial identification of criteria in relation to future solutions. Has done little to build upon the problem that they have defined. While a solution is found, it lacks thought and was not discovered with the future in mind. Design choice minimally meets the message. | There is partial identification of criteria in relation to future solutions. Has shown satisfactory effort in building upon the problem that they have defined. They have discovered a solution with the future in mind but there is little to no refinement. The design choice satisfactorily meets the intended message. | There is proficient identification of criteria in relation to future solutions. Has demonstrated a clear effort in building upon the problem that they have defined. They have discovered a solution with the future in mind and have gone through a period of refinement to benefit their solution. The design choice adequately meets the intended message. | There is clear identification of criteria in relation to future solutions for the environmental issue. Has demonstrated a definitive effort in building upon the problem that they have defined. They have discovered a solution with the future in mind and have gone through multiple periods of refinement to benefit their solution. The design choice is visually appealing and clearly illustrates the intended message. |
| **Reflection**  **(Debrief)** | Incomplete or Missing | Reflects on design thinking and processes of discovery, but expresses little to no open mindedness and feedback on the solution fluency process. | Clearly reflects on design thinking and processes of discovery. Expresses partial open mindedness and constructive feedback on Solution fluency process. | Clearly and thoroughly reflects on design thinking and processes of discovery. Expresses open mind and constructive feedback on Solution fluency process. | Critically, clearly, and thoroughly reflects on design thinking and processes of discovery. Expresses open mind and constructive feedback on Solution fluency process. |