CGC1P 2015 - Geography, Gr. 9

Unit 1 and 2 Summative Activity

# The Geography of a New Community

You have just been given the go ahead by the Government of Canada to create a plan for a new community. Some members of your community have been pushing to leave your reserve and start a new one about sixty kilometers away. It is your job to pick the site for this new community, and ask the Government for money to help you start it.

Before they will give you money, you need to prove to them that this is a good idea. They want to know all about the geography of the new community.

x

**LOCATION OF NEW COMMUNITY** can be found easily by looking for the two “corners of Ontario”

|  |  |  |  |
| --- | --- | --- | --- |
| **Work Completion Checklist** |  | **Complete?** | **Date to finish this part by** |
| About the Community |  |  |
| Location |  |  |
| Planning the Community |  |  |
| Physical Geography 1 & 2 |  |  |
| Population Demographics 1 & 2 |  |  |
| Resource Development 1 & 2 |  |  |
| Transport & Communication |  |  |
| Economic Geography |  |  |
| Other Issues |  |  |

**ABOUT THE COMMUNITY**

Give your community a name. If you choose to make it in Native Language, give a translation.

Why did you choose this name? What does it say about the community?

Create a logo for your community that would be printed on

all signs and letters that come from the Band Office:

## Cultural Information

First Nations Language spoken in the community \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Description of traditional activities that take place in the community

**LOCATION**

X

Label on this map using all conventions:

* All the Great Lakes
* James Bay and Hudson Bay
* Toronto, Ottawa, Sault Ste. Marie, Sudbury, Thunder Bay, Kenora
* Sioux Lookout, Dryden, Red Lake, Pickle Lake, and Fort Severn

The “X” is the location of the new community. Label:

* The three closest First Nations communities to the “X”

Using a map showing roads in Ontario, draw: *(Atlas p. 40-41*)

* The major highways in northwestern Ontario (including to Red Lake and Pickle Lake)
* The major railroads in northwestern Ontario

**PLANNING THE COMMUNITY**

Key

Use the following facts to help you draw the your new community.

* The community will be built at the confluence of two rivers
* There is a large lake to the north of the community that flows into one of the rivers
* The community is surrounded by forest
* Your community plan should have: enough houses for 12 families (residential)

a school (residential)

a band office (commercial)

a community-owned store (commercial)

a band garage (industrial)

a water-treatment plant by the lake (industrial)

an airport (industrial)

a satellite communications tower (industrial)

roads

skidoo/4-wheeler trails

* Residential areas should be NEAR to commercial areas and FAR from industrial areas

**PHYSICAL GEOGRAPHY 1**

All pages are in the *Oxford School Atlas*

## LANDFORMS

Use the *Atlas* p. 11

1. What is the name of the main landform that the community is in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Describe what that landform would look like to a person in the community.

## CLIMATE

1. What climate region is the community in (*Atlas p. 15)*? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Complete this table with climate facts about the community (*Atlas p. 12 and 13)*. Be sure to use the correct unit (oC, mm, cm, etc.)



|  |  |
| --- | --- |
| January temperature |  |
| July temperature |  |
| Temperature range |  |
| Yearly precipitation (rain) |  |
| Yearly snowfall |  |
| Number of days with thunderstorms |  |

3. In a short paragraph, summarize what the climate is like in the community.

**PHYSICAL GEOGRAPHY 2**

## VEGETATION

Use *Atlas* p. 16

1. What is the name of the forest found in this region? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. What types of trees will you find around the community? Draw the outlines of each type and write the names below:

\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

3. What is the name of the nearest community that has a “forest dependency.” (Many people in that community have jobs in logging.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## WATER RESOURCES

Use *Atlas* p. 21

1. What is the name of the nearest major river? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Where does that river flow into? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Are there any hydroelectric dams on nearby rivers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## SOILS & AGRICULTURE

Use *Atlas* p. 18 and 19

1. Do you think the soil around the community is good for agriculture (growing crops like wheat, vegetables, or raising animals)? Explain your answer using information from the atlas.

**POPULATION & DEMOGRAPHICS 1**



Here is a list of the twelve families who are planning to start the new community:

The gender and the age of people in the family are given. Complete all calculations

in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| FAMILY 1 Woman 42  Man 40  Girl 3  Boy 12  Boy 16  Girl 17 | FAMILY 2 Woman 64  Man 60  Girl 12 | FAMILY 3 Woman 45  Man 48  Girl 7  Boy 9  Boy 12  Boy 14  Boy 16 | FAMILY 4 Woman 95  Woman 45  Man 39  Girl 3  Boy 8  Boy 10  Girl 17  Woman 21 |
| FAMILY 5 Woman 24  Man 23  Girl 1  Boy 2 | FAMILY 6 Woman 38  Girl 6  Boy 12  Boy 18 | FAMILY 7 Man 84  Woman 41  Girl 5  Girl 14  Girl 16  Girl 17 | FAMILY 8 Woman 55  Man 54  Girl 14  Boy 16  Boy 18  Woman 20 |
| FAMILY 9 Woman 57  Man 43  Girl 2  Boy 18  Boy 19  Woman 21 | FAMILY 10 Man 75  Woman 78  Woman 55  Man 60  Girl 3  Girl 18 | FAMILY 11 Woman 66  Man 42  Girl 8  Boy 18 | FAMILY 12 Woman 33  Man 34  Girl 3  Boy 6  Boy 9  Girl 11 |

Total Number of People in new community: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Number of people in that age range** | Percentage of total number of people (Number of people in age range total number of people) |
| Female | 90+ |  |  |
| 80-90 |  |  |
| 70-80 |  |  |
| 60-70 |  |  |
| 50-60 |  |  |
| 40-50 |  |  |
| 30-40 |  |  |
| 20-30 |  |  |
| 10-20 |  |  |
| 0-10 |  |  |
| Male | 90+ |  |  |
| 80-90 |  |  |
| 70-80 |  |  |
| 60-70 |  |  |
| 50-60 |  |  |
| 40-50 |  |  |
| 30-40 |  |  |
| 20-30 |  |  |
| 10-20 |  |  |
| 0-10 |  |  |

**POPULATION & DEMOGRAPHICS 2**

Use the information in this table to draw a population pyramid of the community.

Before drawing bars in the graph, you will need to fill in the axis at the bottom of the graph.

90+

80-90

70-80

60-70

50-60

40-50

30-40

20-30

10-20

0-10

0 0

Percentage of Total Population

Males Age Groups Females

1. Is the community a YOUNG or an OLD community? Say why.

2. What do you think will happen soon to the total population? Say why.

3. If the area of the community is 4 km2. Find the population density of the community

( Total population area of community)

Population Density

4. Is your community crowded?**RESOURCE DEVELOPMENT 1**



## MINING, OIL & GAS

1. Look at the *Atlas* p. 22*.* Make a list of ten minerals that could be found in the

Canadian Shield near the community.

2. Look at the *Atlas* p. 23. Do you think there will be any fuel minerals (oil & gas) near the community. Use the atlas information in your answer.

3. There is a chance that there is gold very near to your community. What are FOUR things that the community should take into consideration before allowing a mine on the land.

1.

2.

3.

4.

## HYDROELECTRIC POTENTIAL

1. Look closely at the *Atlas* p.21, water resources information. Do you think there is a chance that a dam could be built on a nearby river? Explain using information from the atlas.

2. If a large hydroelectric dam was to be built, what are THREE things that could happen to the community?

1.

2.

3.

**RESOURCE DEVELOPMENT 2**

## FORESTRY

No-one has moved to the new community site yet, but already the forestry companies are interested in cutting trees there. There is talk of *clear-cutting* a large area to the south of the community.

Here are two points of view on the issue:



**FORESTRY COMPANY POINT OF VIEW**

Many forests contain trees and other vegetation that naturally regrow after destruction by fire or insects. Clear cutting, followed by natural regrowth or a program of replanting is similar to what often happens in nature. Furthermore, we determine the size and shape of a clear cut with the preservation of wildlife habitats always in mind. We take great care to cause as little damage to the forest as possible.



## ENVIRONMENTALIST POINT OF VIEW

Clear cutting removes all ground cover. Soil without ground cover washes into streams and rivers when it rains. This kills fish and other life in the water. When the forest is removed, changes in temperatures can occur. Temperature changes disrupt the established ecosystem, and a desert like landscape results. A forest which has grown up naturally is made up of many types of vegetation, trees of all ages, and wildlife. This diversity is lost when tree seedlings of the same type and age are planted.

Write your perspective on clear-cutting as an Aboriginal member of this new community.

Your *point-of-view* paragraph should say:

* How the clear-cutting will affect wildlife
* How the clear-cutting will affect the environment
* How the clear-cutting will affect your traditional activities
* How the clear-cutting will affect your day-to-day life

## ABORIGINAL COMMUNITY MEMBER POINT OF VIEW

**TRANSPORTATION & COMMUNICATION**



## FACTS

* The community plans to build an airport. It will be big

enough for large cargo planes.

* The community is at the confluence of two major rivers. One of these flows out to the sea. There are many lakes and streams around allowing summer travel by boat, and winter travel by snowmachine.
* In the winter the community is quite near to the winter road network. A small road could be easily cut to join it. This would connect the community to the south in winter.
* The communications tower will provide a high-speed internet link, and full telephone service to the community. A post office is also planned.

## Give the best type of transportation for each of these situations:

|  |  |  |
| --- | --- | --- |
| **Situation** | **Technology** | **Reason for choice of technology** |
| It is winter, and 4000 kg of cargo (food, and household goods) is needed at the community store |  |  |
| It is summer, and 500 kg of fresh fruit and vegetables is needed for the summer homecoming feast |  |  |
| It is spring and the ice is almost out. You are out at your trapping cabin. You need to get home with a load of furs, but the lakes and rivers are starting to break up. |  |  |
| It is winter and you would like to travel to Winnipeg to go shopping with 10 friends and have enough room to bring lots of stuff back. |  |  |
| You are going on a month-long trip with your buddy down the Albany river system. |  |  |

## Give the best type of communications techology for each of these situations:

|  |  |  |
| --- | --- | --- |
| You would like to meet people from other communities without travelling there. |  |  |
| You need to write a letter to the Prime Minister of Canada to tell him what Global Warming will do to your community |  |  |

**ECONOMIC GEOGRAPHY**

## BUSINESSES

Part of the plan for the community is to have a community-run store.

This means that community members will make all the decisions about what to sell in the store, and keep all the profit if there is any.

1. What sort of goods should the store plan to sell? Make a list.

2. The store will NOT be close to the materials it will sell (food, household goods, etc).

1. Where will it get these things from?

b. How will the store transport these things to the community? In summer? In winter?

3. What other businesses do you think would be successful in your community. Say why.

4. If the *Northern* store wants to open up in your community, what will you say? Will you let them?

## TOURISM

Describe FOUR things a tourist visiting your community could do.

**OTHER ISSUES**

## ALL-WEATHER ROAD

There has been talk of building an all-weather road (a road made of gravel that can be used all year). This road would go past your community, and many others. It would connect the communities to the paved road at Red Lake. If it was built you could drive in and out of your community all year round.

Is this a good or a bad idea? Give THREE reasons to back up your answer.



## GLOBAL WARMING

There is data showing that the temperature of the planet is getting hotter.

What could this mean for life in your community.

Make a list of THREE different things that could happen:

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Culminating Activity

**Name:**

Geography of a New Community **Overall Mark**:

Hand-in stapled to the front

|  | Goes beyond what is asked for  (80 – 100%)  (Level 4) | Meets the standard  (70 – 79%)  (Level 3) | Almost meets the standard  (60 – 69%)  (Level 2) | Needs lots more work  (50 – 59%)  (Level 1) |
| --- | --- | --- | --- | --- |
| About the Community  *HEV.02* | meets the standard and ... the name is in Native Language and translated … the logo is detailed and in full colour … the description of traditional activities gives many details | The name given for the community is explained clearly.  A logo showing THREE of the community’s traditions, as well as the name of the community is given.  A clear description of THREE traditional activities is given, showing how Canadians use resources | Some explanation is given for the community name … the logo shows ONE or TWO of the community’s traditions … ONE or TWO traditional activities are described | Little explanation is given for the community name … the logo is not clearly related to the community’s traditions … few traditional activities are described |
| Location  *MIV.01*  *MIV.02*  *MIV.03* | meets the standard and ... map is neatly produced and presented … additional information is obtained to complete the map | Map conventions are correctly used (underlined towns, aligned text, symbols are correct)  The requested information is found and placed correctly on the map | Some map conventions are used…most of the requested information is found and placed correctly on the map | Few map conventions are followed … the map is disorganized and difficult to read … some of the requested information is found |
| Planning the Community  *SSV.01*  *SSV.02*  *MIV.03* | meets the standard and ... the map is in full colour … community layout is creative … additional parts of the map not requested are included | A carefully drawn map of the community and a complete and detailed key are provided  The requested parts of the map are provided  Residential areas are near commerical areas and far from industrial areas | The map is messy in places … many of the requested parts of the map are provided … the key is complete | The map is sometimes hard to read … some of the requested parts of the map are provided … the key is incomplete |
| Physical Geography 1 & 2  *SSV.03*  *SSV.04*  *UMV.01* | meets the standard and ... written answers are detailed | Atlas has been used to obtain correct answers to questions on landforms, climate, vegetation, water, soils and agriculture  Paragraph summarizing climate includes THREE relevant details  Paragraph explaining agriculture possibilities uses TWO examples from the atlas | Atlas work has some errors … paragraph on climate includes TWO relevant details … paragraph on agriculture includes ONE example from the atlas | Atlas work has numerous errors … paragraph on climate includes ONE relevant detail … paragraph on agriculture has no atlas examples |
| Population Demogr.  1 & 2  *SSV.02*  *SSV.04*  *MIV.03* | meets the standard and ... pyramid is neatly and accuralte drawn … answers to questions are detailed | Population data calculations are shown and are correct  Population pyramid has been correctly made following conventions  Answers to questions show understanding of how to read a population pyramid and the meaning of population density | Most calculations are correct … the pyramid follows most conventions … there is some understanding of what population pyramids show and the meaning of population density | Many calculations are correct .. the pyramid follows some conventions … it is hard to read in places … answers to questions show incomplete understanding of population pyramids and density |
| Resource Developmt.  1 & 2  *HEV.01*  *HEV.02*  *HEV.03* | meets the standard and ... answers to questions are detailed … response to clearcutting is creative and realistic | Atlas has been used to obtain correct answers to questions on mining, oil & gas, and hydroelectric potential  There is good understanding of the effects of mining, hydroelectric dams and clearcutting on life in a Native community | Most atlas research is correct … there is some understanding of the effects of mining, dams, and clearcutting | Some atlas research is correct .. there is incompete understanding of the effects of mining, dams and cleracutting |
| Transport & Commun-ication  *SSV.03* | meets the standard and ... reason for choice of technology is detailed … technologies not suggested on page are sometimes used | Technology chosen is relevant for the community and the facts given  A good choice of technology is made and a clear reason given for most situations | In most cases technology is relevant for the community and facts given … and a good choice of technology and a clear reason is given for many situations | In many situations a poor choice of technology is made or incomplete reasons are given |
| Economic Geography  *HEV.01*  *UMV.03*  *GCV.02* | meets the standard and ... answers are often detailed | There is good understanding of the issues faced in running a business or a tourist operation in an isolated community  Answers to all parts of the questions are given | There is some understanding of the issues faced in running a business or tourist operation | There is incomplete understanding of the issues faced in running a business or tourist operation |
| Other Issues  *HEV.01*  *UMV.01*  *GCV.03* | meets the standard and ... answers are often detailed and show insight into the complexity of the situation | There is good understanding of the issues surrounding an all-weather road and global warming  Answers to all parts of the questions are given | There is some understanding of the issues surrounding an all-weather road and global warming | There is incomplete understanding of the issues surrounding an all-weather road and global warming |

**Comments:**