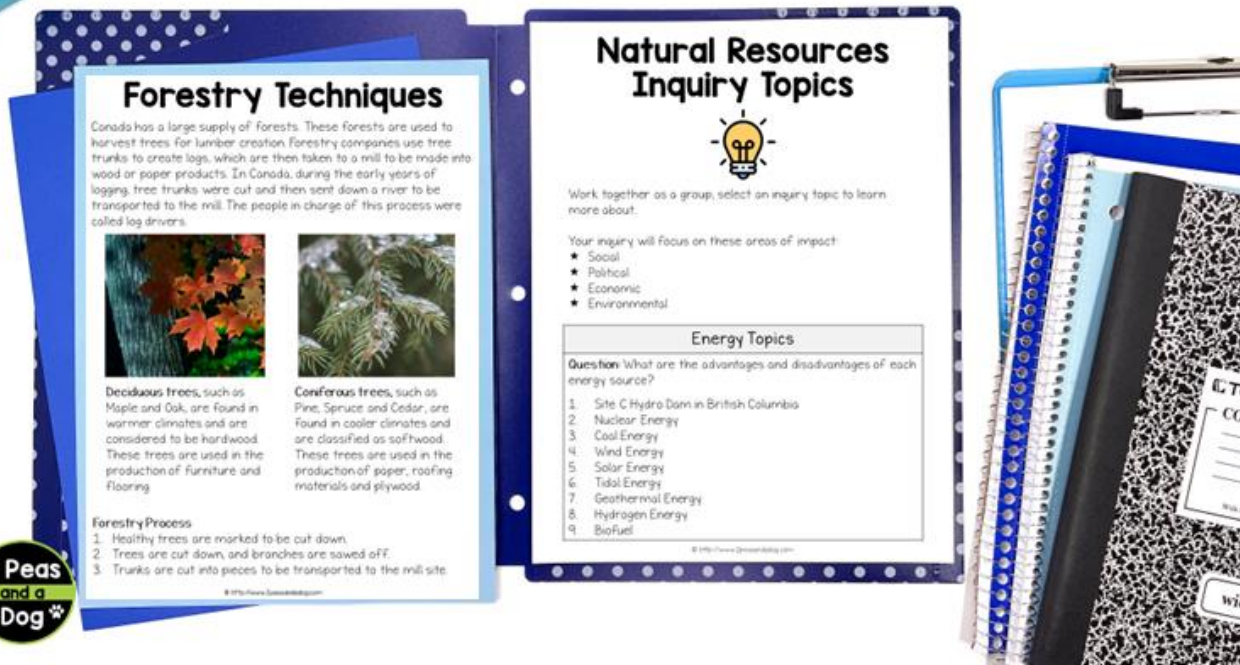


GRADE 7 GEOGRAPHY STRAND B

PDF & DIGITAL FORMATS



RESOURCE INCLUDES

- ✓ Ontario Curriculum Aligned
- ✓ 16 Engaging Lessons / 270 Pages
- ✓ MP3 Audio Files
- ✓ Daily Lesson Plans
- ✓ Student Choice
- ✓ Inquiry Learning
- ✓ Graphic Organizers
- ✓ Summative Assessments
- ✓ Rubrics & Answer Keys
- ✓ Group & Independent Work
- ✓ PDF & Google Slides™ Formats


2 Peas and a Dog

Middle School Teaching Resources

UNIT ORGANIZATION

GRADE 7 GEOGRAPHY STRAND B CURRICULUM ALIGNMENT

Lesson Title and Number	Curriculum Expectation(s)
1. What is a natural resource?	B3.1
2. Where are natural resources located in Canada?	B3.6 B2.3
3. Where are natural resources located in the world?	B3.1
4. Needs vs. Wants & Natural Resource Type	B2.4 B3.1 B3.2
5. How do humans meet their needs and wants?	B3.2 B2.6
6. Natural resources quiz	B3.1 B3.2
7. Perspectives on natural resource use	B2.2 B3.4
8. Current events assignment	B1.1 B2.1
9. Natural resource extraction methods	B1.2 B2.1 B2.5
10. Effects of natural resource extraction	B3.3
11. Environmental responses to resource extraction	B1.2 B3.5
12. Taking action: organizations that care	B1.3
13. Natural resources inquiry assignment	B2.6 B3.5
14. Personal action plan	B1.4
15. Natural resources unit test	See Above

**CURRICULUM
ALIGNMENT**

Lesson Overview



Lesson	Activity Type	Name	Suggested Time
Intro	Class Discussion	Canada: A Land of Natural Resources	0.5 Class
#1	Small Group, Class Discussion, Independent	What is a natural resource?	0.5 Class
#2	Whole Class Assignment & Discussion	Where are natural resources located in Canada?	2 Classes
#3	Independent Exploration & Class Discussion	Where are natural resources located in the world?	1 Class
#4	Whole Class Lesson with Interactive Notes & Graphic Organizer	Needs vs. Wants & Natural Resource Types	1 - 2 Classes
#5	Whole Class Videos & Readings	How Do Humans Meet Their Needs and Wants	1 - 1.5 Classes
#6	Quiz	Natural Resources Quiz	1 Class
#7	Small Group Station Rotations	Perspectives on Natural Resource Use	2 Classes

**DETAILED
UNIT PLAN**

Introduction



Canada: A Land of Natural Resources

Lesson Overview:

Students will watch two videos to gain background information and insight into the importance of natural resources to the Canadian economy. After watching each video, students will complete a brief activity on the provided worksheets.

Materials Needed:

- Reliable technology: internet, computer, projector
- Class set of:
 - This Land is Your Land graphic organizer
 - Natural Resources in Canada response sheets (select option 1 or 2)

Teacher Instructions:

1. As a class, watch the first video "[This Land Is Your Land](#)".
2. Then, provide students a few minutes to discuss with their seat partners as to what types of natural resources they saw in the video. Students can then record their answers on the *This Land is Your Land* graphic organizer.
3. Take up the answers as a class, to ensure students have the correct information copied down.
4. Now watch the second video from "[CBC News](#)" about how Canada needs to embrace its resource economy.
5. After the video, have students reflect on the importance of natural resources to Canadians, using the *Natural Resources in Canada* reflection sheet. Collect this sheet as an assessment piece or take up the answers in a class discussion. Assess student responses using a check minus, check, and check plus system. Details [here](#).

**LESSON
PLANS**

TEACHER FEEDBACK



“Teaching Grade 7 this year was my first time doing Geography since I was in Grade 9.. These slides made me feel so much more comfortable and confident as an educator which translated into a really great time for my class! They enjoyed the small group–type activities the best and researching on their own.” – Cecily B.



“Thank goodness for this resource. My students struggled so much using the textbook and these activities were much more relatable and fun!” – Alexandria P.



“This was a huge time saver! Thanks for the stellar organization and clear explanation of expectations to students. All of the students, including those with IEP modifications, were engaged.” – Carolyn Y.

WHAT'S INSIDE?



Natural Resources Inquiry Topics



Work together as a group, select an inquiry topic to learn more about.

Your inquiry will focus on these areas of impact:

- ★ Social
- ★ Political
- ★ Economic
- ★ Environmental

INQUIRY ACTIVITIES

1. Nuclear Energy
2. Coal Energy
3. Wind Energy
4. Solar Energy
5. Tidal Energy
6. Geothermal Energy
7. Hydrogen Energy
8. Biofuel

Station #6

Student Instructions: Watch the video about Christmas trees in New Brunswick, then read the article about the environmentalist perspective. After you are finished, fill in the different perspectives.

Pros of
Real Christmas Trees

Pros of
Fake Christmas Trees

Christmas Tree Choices

STATIONS ACTIVITIES

Some people share with their families the tradition of picking their own tree, while others prefer to buy an artificial tree after year. The question that arises is which tree is better? There is a lot of debate about whether a real tree and an artificial tree are the best choice if you're not sure which tree to choose, here are some pros and cons for each.

Having a real tree in your home adds a natural scent it has, which makes your home smell great during the holiday season. A tradition among many people is to visit a Christmas tree farm to choose their own tree. At a Christmas tree farm, you are also providing support for local businesses. Most Christmas trees come from forests. A real tree is green and biodegradable (it can be composted or recycled into wood chips). They help prevent erosion in waterways in certain areas.

Station #6 Christmas Trees

WHAT'S INSIDE?



SAMPLE ANSWERS

Natural Resources Examples From The Video

- Water
- Rocks
- Wind
- Trees
- Sand
- Agriculture
- Sun (solar)
- Fishing

ANSWER KEY

Canada is your opinion bring to

- Economic opportunity
- Scientific
- Provincial
- Tourism

Assessment Students Minus, 2-3 examples

Natural Resource	Provinces & Territories																		
Fossil Fuels	<ul style="list-style-type: none"> • British Columbia • Alberta 																		
Agriculture	<p>SAMPLE ANSWERS</p> <p>Answers for questions #1 & #3 are located on this sheet. Answers for #2 are located on the next page.</p> <ol style="list-style-type: none"> Give three examples of natural resources discussed in class. <ul style="list-style-type: none"> • Gravel, trees, wind, water, coal, fish, nickel, fossil fuels, rocks, minerals, metals, sand, diamonds, etc. 																		
Hydroelectricity	<table border="1"> <thead> <tr> <th>Natural Resource</th> <th>Human Use Example</th> </tr> </thead> <tbody> <tr> <td>Hydroelectricity</td> <td>granite, marble, industrial tools</td> </tr> <tr> <td></td> <td>sand and furniture, plastics, materials</td> </tr> <tr> <td></td> <td>irrigation for agriculture</td> </tr> <tr> <td></td> <td>Electricity</td> </tr> <tr> <td></td> <td>Cooling nuclear reactors</td> </tr> <tr> <td>Seafood</td> <td>Human Food</td> </tr> <tr> <td></td> <td>Pet Food</td> </tr> <tr> <td></td> <td>Medical Products (e.g., fish oil)</td> </tr> </tbody> </table>	Natural Resource	Human Use Example	Hydroelectricity	granite, marble, industrial tools		sand and furniture, plastics, materials		irrigation for agriculture		Electricity		Cooling nuclear reactors	Seafood	Human Food		Pet Food		Medical Products (e.g., fish oil)
Natural Resource	Human Use Example																		
Hydroelectricity	granite, marble, industrial tools																		
	sand and furniture, plastics, materials																		
	irrigation for agriculture																		
	Electricity																		
	Cooling nuclear reactors																		
Seafood	Human Food																		
	Pet Food																		
	Medical Products (e.g., fish oil)																		
Minerals & Metals																			
Forestry	<ol style="list-style-type: none"> Explain the difference between a need versus a want. Provide an example of each. <ul style="list-style-type: none"> • A need is something essential for human survival (e.g., water, sun, shelter, food). • A want is something that humans would like to have, but they do not require for survival (e.g., computers, electronics, fancy food, designer clothes). 																		

ANSWER KEYS

Natural Resources In Canada

Assessment	Below Expectations	Meets Expectations	Above Expectations
	✓-	✓	✓+

Canada is a country very rich in natural resources. What benefits do these natural resources bring to you?

Map Assignment Canadian Natural Resources

Task: Use the information from your Canadian Natural Resource category sheets to create a Map of Canada. The map will display natural resources.

assigned a specific symbol. Place symbols on the map for each of the natural resources in each province and territory (e.g., Ontario can get a square inside the province that it has the natural resource of).

Oral Presentation Success Criteria

Level 4

- Level 3 criteria fulfilled
- Clear understanding of the topic
- Props
- Memorization of content (infrequently glancing at notes)

Level 3

- Clear understanding of the topic
- Interest, enthusiasm, or eye contact
- Memorization of content
- Knowledge of content

Level 2

- Quiet voice
- Presentation not prepared
- Lack of interest, enthusiasm, or eye contact
- Minimal content knowledge

Level 1

- Additional teacher support needed

ASSESSMENT OPTIONS

Resource	Legend for Map Assignment
	○
	△
	□
	☆
6 Dots

RUBRICS INCLUDED

INTRODUCTION



CANADA: A LAND OF NATURAL RESOURCES



Introduction



Canada: A Land of Natural Resources

Lesson Overview:

Students will watch two videos to gain background into the importance of natural resources to the country. After watching each video, students will complete a set of worksheets.

Materials Needed:

- Reliable technology: internet, computer, projector
- Class set of:
 - This Land is Your Land graphic organizer
 - Natural Resources in Canada response sheet

Teacher Instructions:

1. As a class, watch the first video "[This Land](#)
2. Then, provide students a few minutes to discuss with partners as to what types of natural resources are shown. Students can then record their answers on the graphic organizer.
3. Take up the answers as a class, to ensure that all information is copied down.
4. Now watch the second video from "[CBC News](#)" to embrace its resource economy.
5. After the video, have students reflect on the natural resources to Canadians, using the *Natural Resources* sheet. Collect this sheet as an assessment. Discuss the answers in a class discussion. Assess student understanding using the minus, check, and check plus system. Determine if students are ready to move on to the next lesson.

This Land Is Your Land Video Graphic Organizer

Watch the video and write down the various examples of natural resources that were mentioned or shown.

Natural Resources Examples

--

LESSON 1 & 2



What Are Natural Resources?



Natural resources are raw materials taken from the Earth. They are used to create products that humans want and/or need.

Manufactured goods are items that use natural resources as a part of their final finished product. These products are usually sold in stores to consumers.

Examples of Natural Resources

Trees	Wind
Oil	Coal
Water	Nickel

Natural Resources

© <http://www.2peasandadog.com>

WHAT IS A NATURAL RESOURCE?

Canadian Natural Resources Locations

Province	Natural Resources
British Columbia	<ul style="list-style-type: none"> ▪ Forestry ▪ Coal ▪ Natural Gas ▪ Metal Deposits
Alberta	<ul style="list-style-type: none"> ▪ ▪ ▪ ▪
Saskatchewan	<ul style="list-style-type: none"> ▪ ▪ ▪ ▪
Manitoba	<ul style="list-style-type: none"> ▪ ▪ ▪ ▪

Mapping Skills Review

- | | |
|----------------------------------|-------------------------------------|
| <input type="checkbox"/> Title | <input type="checkbox"/> Directions |
| <input type="checkbox"/> Labels | <input type="checkbox"/> Scale |
| <input type="checkbox"/> Outline | <input type="checkbox"/> Legend |
| <input type="checkbox"/> Shade | <input type="checkbox"/> Blue |



Use the words from the word bank to help fill in the blanks.

1. A compass rose helps people know _____ on a map.
2. A _____ is an important feature that tells people the topic of the map.
3. _____ identify the different places on a map.

WHERE ARE NATURAL RESOURCES LOCATED IN CANADA?

© <http://www.2peasandadog.com>

LESSON 3 & 4



Global Locations of Natural Resources

Using the information provided from the World Fact Book website, check the natural resource category boxes that apply to each country.

Country	Natural Resource Category	Country	Natural Resource Category	Country	Natural Resource Category
Canada	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing <input type="checkbox"/> Minerals & Metals <input type="checkbox"/> Forestry	India	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing <input type="checkbox"/> Minerals & Metals <input type="checkbox"/> Forestry	Costa Rica	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing <input type="checkbox"/> Minerals & Metals <input type="checkbox"/> Forestry
United States of America	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing <input type="checkbox"/> Minerals & Metals <input type="checkbox"/> Forestry	Australia	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing <input type="checkbox"/> Minerals & Metals <input type="checkbox"/> Forestry	Sierra Leone	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing <input type="checkbox"/> Minerals & Metals <input type="checkbox"/> Forestry
Russia	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing	Japan	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing	Senegal	<input type="checkbox"/> Fossil fuels <input type="checkbox"/> Agriculture <input type="checkbox"/> Hydroelectricity <input type="checkbox"/> Fishing

Needs vs. Wants

It is human nature to want things. Some people want the latest technological gadget, others want to try the newest food craze. These wants are not essential to our survival. It is important to understand the difference between a need and

Natural Resource Types

There are three types of natural resources. Fill in the chart below with detailed explanations and examples.

Type	Explanation	Examples
Renewable Resources		

Needs are something crucial to our survival and well-being: food, air, water, and shelter.

Whereas a want is an item that we can survive without: computers, cars, designer clothes, etc.

WHERE ARE NATURAL RESOURCES LOCATED IN THE WORLD?

NEEDS VS. WANTS & NATURAL RESOURCE TYPES

LESSON 5 & 6



Resource Vocabulary

Write down the definitions from the video for each vocabulary word.

Word	Definition
Resource	
Community	
Agriculture	
Transform	
Reservoir	

How Do Humans Meet Their Needs and Wants?



Humans must extract natural resources from the Earth, then send them to be processed before they can be used to create manufactured goods.

Very few resources can be used directly from the Earth without some processing. Some fruits, vegetables, and nuts can be eaten in their raw state.

Not all places on Earth have access to the natural resources people

HOW DO HUMANS MEET THEIR NEEDS AND WANTS

SAMPLE ANSWERS

Answers for question #2 located here.

Province/Territory	Examples - students need 1
Ontario	<input type="checkbox"/> Agricultural Lands <input type="checkbox"/> Forests Hydroelectricity Nickel Uranium Zinc Gold Silver Copper
	Forestry Coal Natural Gas Metal Deposits Fishing Hydroelectric Power
	Tungsten Gypsum Salt Fishing Coal Gas

Natural Resources Quiz

Name: _____ /10

1. Give three examples of natural resources discussed in class. Then provide an example of a manufactured good created from that natural resource. /3

Natural Resource	Manufactured Good

2. Nat

Prov	
Ontario	
British Columbia	
Northwest Territories	
Nova Scotia	

NATURAL RESOURCES QUIZ

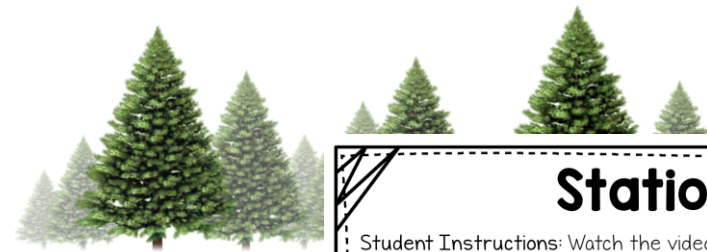
LESSON 7 & 8



Perspective



Christmas Tree Choices



Perspective is their point of a topic.

★ Different people of perspective resource use

★ Perspective is experiences, needs and w

Example: Teachers perspectives on h

Decorating a tree for Christmas people share with their friends pick their own tree, while after year. The question is which tree is better? The tree and an artificial tree you're not sure which tree

Station #6

Student Instructions: Watch the video on Christmas tree farms in New Brunswick, then read the article on Christmas Tree Choices. Once you are finished, fill in the different perspectives in the charts below.

Christmas Tree Farmer Perspective:

environmentalist

recycled into wood chips. erosion in waterways in ce

© h

© <http://www.2peasandadog.com>

PERSPECTIVES ON NATURAL RESOURCE USE

Current Event Assessment

Part A: Graphic Organizer Completion

Current Events Graphic Organizer

Name of the news source:	
Title of the article:	
Who is involved?	
What happened?	

Assessment	Below Expectations	Meets Expectations	Above Expectations
	-	✓	✓ +
Presentation			
	Level 2	Level 3	Level 4
Preparation		<ul style="list-style-type: none"> Clear and loud voice Interest and enthusiasm Eye contact Formal body language Prepared Knowledge of content 	<ul style="list-style-type: none"> Level 3 criteria fulfilled Clear topic understanding Memorization of content Audience interest and attention

CURRENT EVENTS ASSIGNMENT

© <http://www.2peasandadog.com>

LESSON 9 & 10



Mining Techniques

Before a mine can be created, an environmental assessment must be completed. This assessment determines the impact the mine will have on the surrounding water, people, land, and animals.



Open Pit Mine

When the ore deposits are located close to the surface of

NATURAL RESOURCE EXTRACTION METHODS

enjoy nature.

Jigsaw Roles



Once you get your assigned number from your teacher, find the environmental topic you will be researching. After research is complete, share your findings with your group members.

Student #1 – Desertification

Student #2 – Smog

Student

Student

Natural Resource Extraction

Issue	Explanation	Local & Global Connections
Acid Rain		

EFFECTS OF NATURAL RESOURCE EXTRACTION

LESSON 11 & 12



Electric Car



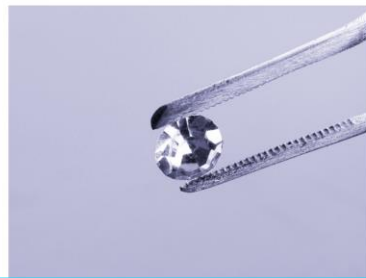
Hybrid Car



ENVIRONMENTAL RESPONSES TO RESOURCE EXTRACTION

Case Study

Canadian Diamonds vs. Conflict Diamonds



Not all diamonds are created equally. Some of the world's diamonds are from ethical sources, while others are from areas of the world with

conflict

ds

that
hical
as
The

Environmental standards and safe working conditions for employees. and conflict in different areas of the world.

Taking Action: Organizations That Care



You are the Minister of International Affairs for the Canadian government. The Prime Minister has asked you to prepare a presentation that is making the world, the world, resources.

Geography Content

Success Criteria

- Content is relevant to the research topic
- Accuracy of research content

TAKING ACTION: ORGANIZATIONS THAT CARE

Task: You will prepare your organization

- Research around the world
- Read about organizations that care about the natural resources.
- You will present your presentation to your classmates on Commons (your classmates) organization they are going to

Assessment: You will be assessed on your knowledge using the Geography Content Success Criteria. the quality of your presentation and

Level 2

- Information is basic and needs more details about the natural resources protection organization.

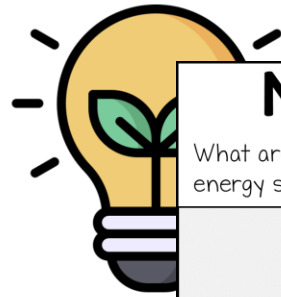
Level 1

- Information is inaccurate or incomplete about the natural resources protection organization.

LESSON 13 & 14



Energy Sources Inquiry Topics



Nuclear Energy Impacts

What are the social, political, economic and environmental impacts of this energy source?

Social

Group

NATURAL RESOURCES INQUIRY ASSIGNMENT

- 1
- 2
- 3
- 4
- 5
- 6.
- 7.
- 8.
- 9.

Natural Energy

Geothermal Energy

Hydrogen Energy

Biofuel

Environmental

Week 1 Reflection

Did you meet your goal for the week?

(YES) What did you work on this week to achieve your goal?

(NO) What do you need to work on next week to achieve your goal? Create an action plan.

Personal Plan of Action Assessment



Level 1

Level 2

Level 3

Level 4

Personal action

Personal action

Personal action


Personal action

PERSONAL ACTION PLAN

LESSON 15 & ADDITIONAL RESOURCES

Natural Resources Unit Test	
Advantages	Disadvantages
<div style="background-color: #00bfff; color: white; padding: 10px; display: inline-block;">UNIT TEST</div> <p>Brainstorm your reasons below.</p>	
Supporting Reasons	Reasons Against

© <http://www.2peasandadog.com>

Exit Card

3 New Things I Learned ----- ----- -----
2 Interesting Facts ----- -----
1 Question I Still Have -----

© <http://www.2peasandadog.com>

Key Vocabulary	
Word	Definition + Example (In your own words)
Geography	Geography is the study of the mountains, trees, water, and the humans on Earth.

© <http://www.2peasandadog.com>

LESSON FORMATS



PDF

✓ Individual & Whole Unit



DIGITAL

✓ Google Slides

RESOURCE CAN BE USED IN-PERSON OR ONLINE