

Name: _____

Date: _____

Grade 5 Socials & Science – Earth's Resources Project

Learning Outcomes Socials:

- I can describe the location of natural resources within BC and Canada, including: fish and marine resources, forests, minerals, energy resources
- I can identify methods of extracting or harvesting and processing BC's resources
- I can analyze how BC's renewable & non-renewable resources are used

OPTIONS (choose one of following):

(1) Posters

- create two posters: one that gives information about a renewable resource (you choose one) and a second poster that gives information about a nonrenewable resource (you choose one)
- You should choose posters if you like to create visual pictures that include information. You can draw pictures by hand or cut out pictures and glue them on your poster.

(2) Brochure

- you will fold a paper in a special way to make an 8 page brochure. The front and back cover will have titles and pictures, and the 6 pages inside the brochure will have three pages of information on a renewable resource (your choice) and three pages of information on a nonrenewable resource (your choice)
- You should choose brochures if you like to create visual pictures that include information. You can draw pictures by hand or cut out pictures and glue them in your brochure.

(3) Presentation

- you will choose a renewable and nonrenewable resource to present to the class or a small group in the class. Your presentation should include hands-on/picture/video examples of your chosen resources and what the resources can be used to make. For example, if you chose petroleum (nonrenewable), you might bring in a picture and some plastic products that are made from petroleum.
- You should choose presentation if you like talking and showing examples of things instead of just writing everything

(4) PowerPoint

- you will use Microsoft PowerPoint to create a PowerPoint presentation for the class or a small group. The PowerPoint will give information on a renewable and nonrenewable resource of your choosing.
- You should choose PowerPoint if like typing point form notes on the computer, including pictures/videos, and talking about your Powerpoint in front of the class or a small group

(5) Sonic Pics

- you will use an App on the iPads called Sonic Pics to create a presentation using pictures or objects that you talk about while recording. This is similar to a presentation, except you record what you say instead of talking in front of the class. You will choose one renewable and one nonrenewable resource and collect or take pictures to include in your project. You will then record yourself explaining what the pictures are showing.

You should choose Sonic Pics if you like talking and showing examples of things instead of just writing them, but are a little nervous to speak in front of the class or a small group

Required Information

For whichever option you choose, here is the required information:

(A) Intro Information:

The first part of whatever project you choose should introduce basic information about resources:

- 1) *Natural resources in Canada* – (1) what is a natural resource? - (2) what natural resources do we have lots of available in Canada? – (3) where in Canada can we find these resources?
- 2) *Renewable vs Nonrenewable Resources* – (4) what is the difference between a renewable and nonrenewable resource?
- 3) What two resources (1 renewable and 1 nonrenewable) will your project focus on?

The following questions should be answered for both your resources:

(B) Resource Extraction/Harvesting and Processing:

- 4) *Your Resources* – (5) Where do we most often find your resource(s)? (underground? forests? lakes & rivers?) (6) What parts of the world do we find your resource(s)?
- 5) *Resource Extraction/Collection* – (7) how do we **collect** your resources for our use (**be specific...list step by step**)? (e.g., do we dig them out of the ground? drill into the ground? use nets to collect them out of oceans? cut them down with chain saws?) Tip: find some pictures you can use of your resource being extracted
- 6) *Resource Processing* – (8) where do your resources go after being extracted and how are they moved? (e.g., to factory to be processed? to a sawmill to cut? to warehouse to be melted or treated with chemicals? loaded onto trucks? shipped in containers?) – (9) what, if anything, has to happen to your resources before they can be used for our needs (**be specific...list multiple steps**)?(e.g., do they have to be melted? are they treated with chemicals? are cut into smaller pieces? are burned and used to create heat?)

(C) Resource Uses:

- 7) *Resources Purpose* – (10) What do people use your resource(s) for? Try to find at least five (E.g., to help other things, like cars, work, or used to create heat or electricity, or eaten)

(D) Environmental Impact of Resource Use:

- 8) *Potential environmental impacts* (11) what kind of impact with extracting your resource(s) have on the environment. Try to find at least five (E.g., removing trees that animals use for homes? disturbing the ground where animals nest? debris and dirt effecting nearby streams or rivers?) (12) Is there any danger in using too much of your resource? (e.g., will we run out of the resource eventually if it is overused?)

PROJECT DESCRIPTIONS:

(1) Posters

- you should have two posters: one showing the renewable resource you chose and one showing the nonrenewable resource you chose
- each poster should have the following:
 - 2 to 4 pictures. Each picture should have an explanation of why the picture is there. The pictures can be drawn by you or cut out and glued on the poster
 - You should have written parts that give information from all the questions (1 to 6) on the required information page
 - You should have a title that explains what the poster is showing.

(2) Brochure

- you should use a medium size paper (11 by 13) that is folded into a brochure that has eight pages
- you should draw lines (with a ruler) so your writing on the pages looks straight and neat
- page 1, the front cover, should have a title that explains what the brochure is about. The front cover should also have your name, and 2 to 4 pictures related to resources
- page 2, on the back of front cover, should answer questions 1 & 2 from the required information page. You should also have 1 or 2 pictures on the page
- page 3, on the back of page 2, should answer questions 3 & 4 on the required information page for your renewable resource. You should have 1 or 2 pictures to go with your written information
- page 4, to the right of page 3, should answer question 5 on the required information page. You should have 1 or 2 pictures to go with your written information
- page 5, to the right of page 4, should answer question 6 on the required information page. You should have 1 or 2 pictures to go with your written information
- page 6, to the right of page 5, should answer questions 3 & 4 on the required information page for your nonrenewable resource. You should have 1 or 2 pictures to go with your written information
- page 7, on the back of the back cover, should answer question 5 on the required information page for your nonrenewable resource. You should have 1 or 2 pictures to go with your written information
- page 8, to the back cover, should answer question 6 on the required information page for your nonrenewable resource. You should have 1 or 2 pictures to go with your written information

(3) Presentation

Your presentation should involve you speaking and showing pictures. Your presentation should have:

- in introduction where you answer questions 1 & 2 from the required information page. You should have 1 or 2 pictures or hands on examples (e.g., a piece of coal) to show your audience
- a part where you name your renewable resource and answer questions 3 to 6 on the required information page. You should have 2 to 4 pictures or hands on examples of your renewable resource to show your audience

- a part where you name your nonrenewable resource and answer questions 3 to 6 on the required information page. You should have 2 to 4 pictures or hands on examples of your nonrenewable resource to show your audience
- you should have a short conclusion that reviews your main points

(4) PowerPoint

- once you have answered all the questions from the required information page, start making your PowerPoint presentation on the computer
- choose a background and text theme for your slides
- start with a title slide that has your name, the two resources your presentation are focused on, and the name of the assignment
- the next 1 or 2 slides should answer questions 1 & 2 from the required information page. You should also have 1 or 2 pictures on each slide
- the next 3 to 8 slides should answer questions 3 to 6 on the required information page for your renewable resource. You should have 3 to 5 pictures on these slides
- the next 3 to 8 slides should answer questions 3 to 6 on the required information page for your nonrenewable resource. You should have 3 to 5 pictures on these slides
- you should have a conclusion slide that gives a short summary of your main points and lets your audience know the PowerPoint is finished

(5) Sonic Pics Presentation

- once you have answered all the questions from the required information page, start making your Sonic Pics presentation on the iPad
- Sonic Pics is an app where you have a picture on screen that you talk about. When you're ready, you move on to the next picture and talk about it.
- you should find pictures, take pictures of actual objects, or make pages (either using Microsoft Word or by hand) that you can film while you talk
- start with a title picture that has your name, the two resources your presentation are focused on, and the name of the assignment. You can show a picture of some resources while you say all this information out loud
- the next 1 or 2 pictures should answer questions 1 & 2 from the required information page. You should also have 1 or 2 pictures showing as you read your information
- the next 3 to 5 pictures you show should have you answering questions 3 to 6 on the required information page for your renewable resource.
- the next 3 to 5 pictures you show should have you answering questions 3 to 6 on the required information page for your nonrenewable resource.
- you should have a conclusion picture where you give a short summary and end the presentation