
Why Should I Be Responsible With Michigan's Natural Resources?



Supporting Questions

1. What are Michigan's natural resources?
2. What causes resources to be scarce?
3. How does choice affect opportunity cost?
4. How can I be responsible with resources?

NORTHERN MICHIGAN INQUIRY HUB

3rd Grade Inquiry

Why Should I Be Responsible With Michigan's Natural Resources?	
Michigan Content Expectations:	<p>3 – E1.0.3 Analyze how Michigan's location and natural resources influenced its economic development.</p> <p>3 – G5.0.1 Describe how people are a part of, adapt to, use, and modify the physical environment of Michigan.</p>
Staging the Compelling Question:	Use the Economics and Geography venn diagram on Page 58 of the third grade Michigan Open Book Project book. Then watch the natural resources video here: https://www.youtube.com/watch?v=OXeUvTaOPNk

Supporting Question 1
What are Michigan's Natural Resources?
Formative Performance Task
Annotate a Michigan map with locations of natural resources within the state
Featured Sources
Clickable Map of Michigan Video of the Great Lakes

Supporting Question 2
What causes resources to be scarce?
Formative Performance Task
List causes of scarcity of natural resources in Michigan.
Featured Sources
Renewable/Nonrenewable resources video

Supporting Question 3
How does choice affect opportunity cost? How can I be responsible with resources?
Formative Performance Task
Thinking map of choices and opportunity costs using natural resources and Drawing of student being responsible with N.R.
Featured Sources
Opportunity cost lyrics/song Michigan office of Great Lakes website (Areas of concern)

Summative Performance Task	Argument: Why should I be responsible with Michigan's natural resources? Construct an argument (e.g., detailed outline, poster, essay) that addresses the compelling question using specific claims and relevant evidence from contemporary sources while acknowledging competing views.
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Overview

This elementary inquiry asks students to consider what the natural resources in Michigan are, as well as why they're important to the people who live here. The inquiry blends both geography and economics standards and students grapple with questions about scarcity, opportunity cost, and how to be responsible with the natural resources around us. They conclude by answering the compelling question "Why should I be responsible with Michigan's natural resources?"

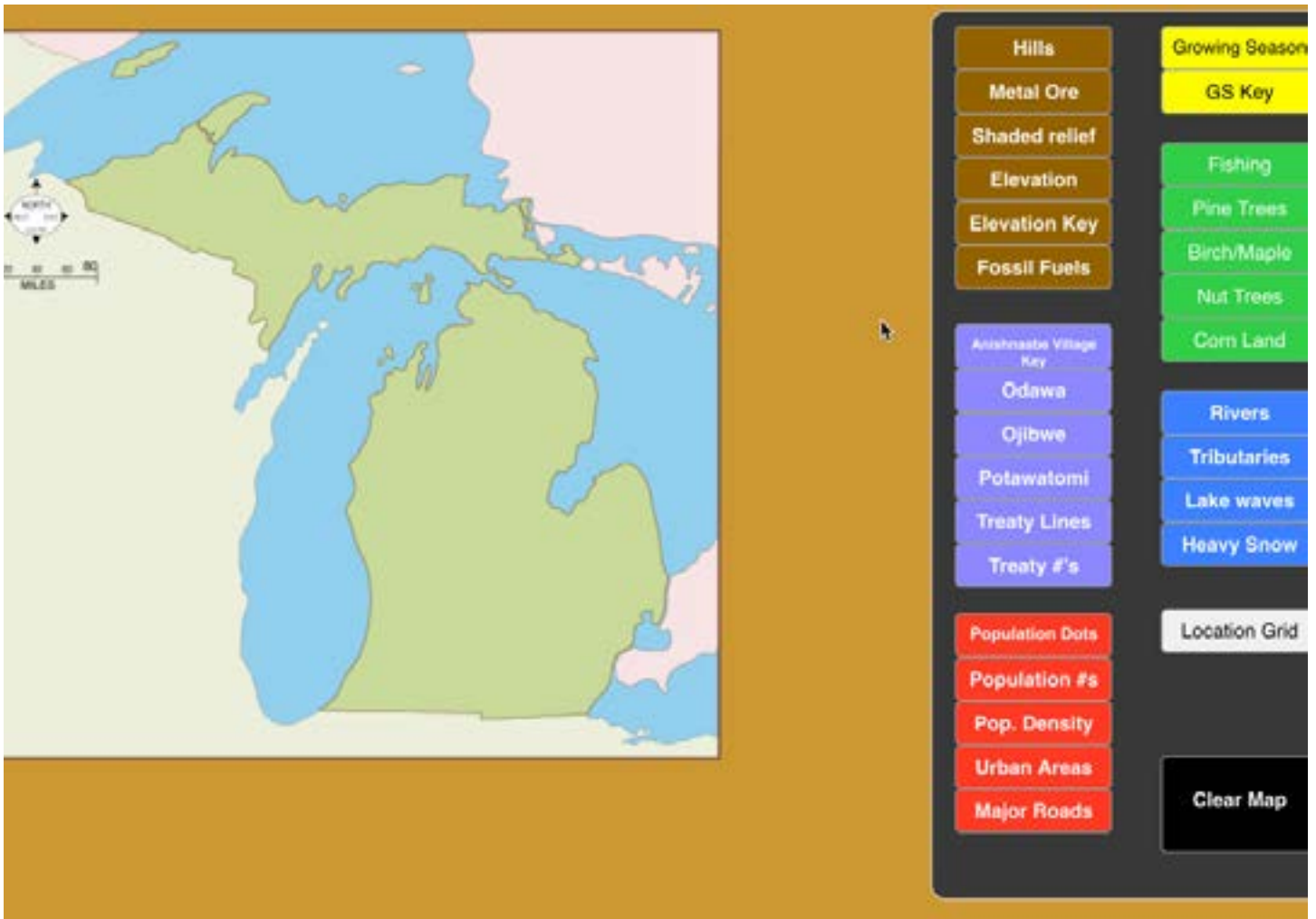
Staging the Compelling Question

Begin by displaying and walking students through the interactive venn diagram created as part of the MI Open Book materials: <http://textbooks.wmisd.org/EconVenn3rd.html>. This teaches students two things - what a venn diagram is, and how to use one. Then watch the natural resources video here: <https://www.youtube.com/watch?v=OXeUvTaOPNk>



Supporting Question 1 - Featured Source A

Interactive map from GIANTS curriculum - <http://ss.oaisd.org/Michigan-Clickable.html>



Supporting Question 1 - Featured Source B

<https://www.youtube.com/watch?v=gBRcOLcEwF0>



Supporting Question 1 - Featured Source C

Brief Picture overview of Michigan's Natural Resources

https://www.youtube.com/watch?v=X_vS1tXdoqc



Supporting Question 2 - Featured Source A

Renewable & Nonrenewable Resources

https://www.youtube.com/watch?v=xzzybh8_Ago&index=4&list=PLcD_fRPK1GPpSjplmz09sCVSJOxLwKM4



Supporting Question 3 - Featured Source A

Opportunity Cost Lyrics

<https://www.kidseconposters.com/oh-give-me-a-choice>

Oh Give Me a Choice

Oh Give Me a Choice

Tune: Home on the Range

Oh give me a choice,
Oh, a difficult choice, And I'll think about
what I could use,
I'll have to decide,
With my eyes open wide
What I'll give up and what I will choose.

Opportunity Cost!
It's the thing you give up when you choose.
It's the price that is paid
When a choice must be made.
It's the thing that I surely will lose.

*By Martha Hopkins Used with permission. From Master
urriculum Guide in Economics: Teaching Strategies, K-2*

Posters

Opportunity Cost

"KIDS ECON POSTERS REALLY
HELPED MY CLASSROOM LEARN
ECON IN A FUN WAY."

JOHN SMITH – TEACHER

Additional Resources

Indiana Council for Economic Education

Council for Economic Education

EconEdLink

Supporting Question 4 - Featured Source A

Michigan Office of the Great Lakes: AREAS OF CONCERN

<https://www.michigan.gov/ogl/0,9077,7-362-85255---,00.html>

