STORY OF YOUR PLACE

STUDENT WORKSHEETS

The following resources have been adapted from National Geographic's Geo-Inquiry Process Resource Packet List, in order to fit the Story of Your Place objectives.

National Geographic has many valuable resources for teachers.

ws #	Title	Inquiry Step	Substep
1	**What Are SoYP Inquiry Questions?**	**ASK**	**1-A**
2	**Possible SoYP Inquiry Questions**	**ASK**	**1-C**
	SoYP Inquiry Question Tool	**ASK**	**1-C**
3	**Need-to-Know Questions**	**ASK**	**2-A**
5	**Refining SoYP Inquiry Questions**	**ASK**	**1-E**
6	**Background Information**	**COLLECT**	**2-B**
7/8	**Deciding What Data You Need / Planning Data Collections**	**COLLECT**	**2-C**
9	**Evaluating Resources Tool**	**COLLECT**	**2-C**
10	**Taking Notes**	**COLLECT**	**2-D**
13	**Analyzing Your Data**	**VISUALIZE**	**3-C**
14	**Creating a Rough Draft Map**	**VISUALIZE**	**3-C**
15	**Creating the Final Version of Your Map**	**VISUALIZE**	**3-C**
29/38	**Collecting Data**	**COLLECT**	**2-D**

What Are SoYP Inquiry Questions? Student Worksheet 1 (ASK)

Name: _____   Date: _____

Story of Your Place Inquiry Questions

A Story of Your Place (SoYP) Inquiry Question asks us to think about where things are and how they are connected spatially to other things, and why that is connection important. For the list below, put a check mark next to a question that can be classified as a Story of Your Place Inquiry Question.

1. ☐ How has land management of a place affected land cover over the last 80 years?

2. ☐ What state forests are located near our place?

3. ☐ How did indigenous people historically use land in this area, and how did treaties   affect land use?

4. ☐ Which indigenous peoples lived in or utilized our place?

5. ☐ What does our place mean to the people who live there?

6. ☐ Where are similar places in Oregon, and how do they compare with our place?

7. ☐ How many rivers are in our near our place?

8. ☐ How does the damming of a river affect those who live downstream?

9. ☐ How far is it from our school to the post office?

10. ☐ What types of businesses are found in our place?

11. ☐ What is the soil pH of our place?

12. ☐ How does soil pH affect the types of vegetation that grow in our place?

13. ☐ What is the most accurate way for scientists to measure temperature?

14. ☐ How do maximum / minimum temperatures affect the biological characteristics of our place?

15. ☐ How have the economic characteristics of this place changed over the past 80 years?

16. ☐ What animals can be found in our place?

17. ☐ How has animal habitat changed over the past 100 years?

SoYP Student Worksheet 2 (ASK)

Name: _____   Date: _____

Possible Story of Your Place Inquiry Questions

The Story of Your Place will start with good Inquiry Questions. Remember, these should be answerable and significant, and address three dimensions:

What is it?   Why is it there?   Why Care?

With your teacher, explore your place and make a list of questions about it. Some possible categories for SoYP Inquiry Questions are:

History - change in a place over time

_____

_____

_____

_____

Settlement - settlement of a place - past and present

_____

_____

_____

_____

_____

SoYP Student Worksheet 2 cont.

<u>Physical and biological</u> - characteristics

_____

_____

_____

_____

_____

<u>Human</u> - cultural, psychological, economic characteristics

_____

_____

_____

_____

_____

<u>Comparison and Connection</u> - with other places (local, regional, global)

_____

_____

_____

_____

SoYP Student Worksheet 3 (ASK)

Name: _____   Date: _____

Need-to-Know Questions

As you explore your SoYP Inquiry Questions (one for each category), use this form to help you think about related Need-to-Know Questions.

  1. What is the SoYP Inquiry Question, and which category does it address?

_____

  2. What do you already know that may relate to this question?

_____

_____

_____

_____

  3. What are some Need-to-Know Questions may need to be addressed before answering the SoYP Inquiry Question?

_____

_____

_____

_____

_____

SoYP Student Worksheet 3 cont.

(Need-to-Know Questions, cont.)

_____

_____

_____

_____

_____

_____

_____

4. Circle the Need-to-Knows you wrote in question 3 that you think are the most interesting.

5. Why do you think these questions are interesting?

_____

_____

_____

_____

_____

SoYP Student Worksheet 5 (ASK)

Name: _____   Date: _____

Refining Story of Your Place Inquiry Questions

Answer the questions below to refine your SoYP Inquiry Question.

About Your SoYP Question

1. What is the SoYP Inquiry Question you most want to answer about your place?

_____

_____

2. Why is this SoYP Inquiry Question interesting to you?

_____

_____

3. Summarize the information you have about this topic.

_____

_____

_____

_____

_____

_____

_____

SoYP Student Worksheet 5 cont.

Refining Your SoYP Inquiry Question

Answer the following questions with a yes or no.

1. Could you answer your SoYP Inquiry Question quickly using a map, search engine, or other tool?	☐ yes ☐ no
2. Do you care about the answer to your SoYP Inquiry Question?	☐ yes ☐ no
3. Can you think of information or data that would help you answer this SoYP Inquiry Question?	☐ yes ☐ no
4. Will you be able to find this information and collect data?	☐ yes ☐ no
5. Will the answer to your SoYP Inquiry Question help you better understand how Your Place compares and connects with other places?	☐ yes ☐ no

If you answered yes to question one or no to any of the others, you should revise your SoYP Inquiry Question. You can repeat these questions as many times as you need until you are satisfied with your SoYP Inquiry Question.

Write the final version of your SoYP Inquiry Question here. This will direct the rest of this project.

_____

_____

_____

SoYP Student Worksheet 6 (COLLECT)

Name: _____   Date: _____

Background Information
Once you have created your SoYP Inquiry Question, it is time to find out more about the Need-to-Knows about your place. List some Need-to-Knows or topics for research related to your SoYP Inquiry Question.

_____

_____

_____

1. List potential internet or library resources:

Resource	Where to Find / URL	Did you evaluate it? (yes/no)	Summary of Information Available

SoYP Student Worksheet 6 cont.

(potential internet or library resources, cont.)

Resource	Where to Find / URL	Did you evaluate it? (yes/no)	Summary of Information Available

2. List community experts or organizations that might have information about your SoYP Inquiry Question. Include contact information.

Name of Contact	Organization	Position or Job	Area of Expertise	Contact Information

Adapted from Geo-Inquiry Process Resource Packet

SoYP Student Worksheet 7/8 (COLLECT)

Name: _____   Date: _____

<u>Deciding What Data You Need / Planning Data Collection</u>

Break down your SoYP Inquiry Question by listing the Need-to-Knows that will help to answer it. After you have listed your Need-to-Knows that make up your SoYP Inquiry Question, look back at each Need-to-Know and write the specific data you will need to answer it.

Need-to-Know Questions	Type of Data Needed	How You Will Collect It	Tools You Will Need

Adapted from Geo-Inquiry Process Resource Packet

SoYP Student Worksheet 9 (COLLECT)

Name: _____   Date: _____

Evaluating Resources Tool

Use this checklist to evaluate project resources.

Title of Resource_____

What is the main purpose of the resource? ❏ to inform ❏ to persuade ❏ to inflame ❏ to entertain ❏ to sell something	**Who are the author and publisher of the resource?** ❏ Can you find information about this author's credentials? ❏ Is the author an expert on the topic? ❏ Does the author have a good reputation? ❏ Does the publisher have a good reputation? ❏ Does the author or publisher have a mission? ❏ Does the author or publisher's mission bias the resource?	**Is the resource readable? Does it have…** ❏ spelling or grammar errors? ❏ broken links (websites)? ❏ distracting or unprofessional graphics?
If it is a web resource, what is the domain? ❏ .gov ❏ .net ❏ .com ❏ .org	**Does the information in the resource seem credible?** ❏ Are claims backed up by facts? ❏ Does the author cite sources? ❏ Does the resource link to or reference other credible sources? ❏ Does the resource have sensational headlines? ❏ Does the resource make claims that seem unlikely or odd? ❏ Can you find the same information in a second reputable source?	**Do you think this resource is valid and useful for your purpose? Why?** _____ _____ _____ _____ _____ _____

SoYP Student Worksheet 10 (COLLECT)

Name: _____   Date: _____

Taking Notes
Use this form to take notes on your research.

Title of source:

_____

Type: _____   Author: _____   Date: _____

URL (web resources only):

_____

Need-to-Knows	**Information**
Summary	

SoYP Student Worksheet 13 (VISUALIZE)

Name: _____   Date: _____

Analyzing Your Data

Analyze all of the data you have collected. Create various maps and charts representing various findings. As you begin the analysis, look for patterns, clusters, or trends that might help you answer your SoYP Inquiry Question.

1. Do you see any patterns, trends, or clusters in the graphs you created? If so, describe them.

_____

_____

_____

_____

_____

2. Do you see any patterns, trends, or clusters on your maps? If so, describe them.

_____

_____

_____

_____

_____

SoYP Student Worksheet 13 (VISUALIZE) cont.

3. Do you think any of the variables you measured depend on what they are near on the map? If so, describe them. What evidence supports this?

    _____

    _____

    _____

    _____

    _____

4. Do you think any of the variables you measured show trends or patterns similar to another variable you measured? If so, describe how they might be connected. What evidence supports this?

    _____

    _____

    _____

    _____

    _____

5. Which of these patterns or trends will help you to answer your SoYP Inquiry Question?

    _____

    _____

    _____

6. Write the answer to your SoYP Inquiry Question. Give evidence to support your answer.

_____

_____

_____

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_____

SoYP Student Worksheet 14 (VISUALIZE)

Name: _____   Date: _____

Creating a Rough Draft Map

A rough draft map is a starting place for seeing how your data relates spatially. As you gather data, you can add it to your map and try different ways of showing the data. Since it is a rough draft, you don't have to worry about everything being perfect or neat.

To create your rough draft map, you need to start with a base map. The base map could be a printed map or a digital map. To decide which map you will use, answer the following questions:

What areas will you be collecting data in or from?

_____

_____

Which types of maps will work best for your SoYP Inquiry Project?

_____

_____

Once you have answered these questions, search for a map that matches your answers. This will be your base map. As you collect data, you can add it to your base map and move it around to help you see any patterns.

SoYP Student Worksheet 15 (VISUALIZE)

Name: _____   Date: _____

Creating the Final Version of Your Map

As you create the final version of your map, use the checklist below.

- ❏ Does your map support your SoYP Inquiry Story?
- ❏ Is the purpose of the map clear?
- ❏ Is the location the map is showing clear?
- ❏ Is the map easy to understand?
- ❏ Is there a title for the map?
- ❏ Is there a compass rose for the map?
- ❏ Is there a scale reference for the map?
- ❏ Did you include a key or legend to explain any symbols you used?
- ❏ Does the color scheme help to make the map more readable instead of distracting from the map?
- ❏ Are labels used where needed to make things more clear?
- ❏ Is everything spelled correctly?
- ❏ Is everything capitalized correctly?
- ❏ Are any images the right size easily and easily visible?
- ❏ Is the text readable (font size and type)?
- ❏ Are the authors listed?
- ❏ Is the date included?

Name: _____   Date: _____

Collecting Data in the Field

Collecting data in the field means going outside of your home or classroom to conduct interviews with experts, visit organizations (colleges, universities, government agencies, and libraries), distribute surveys, take photographs, record video, or collect scientific data. You might go to a river to measure water quality or to a park to observe local plants and animals.

As you are collecting data in the field, remember to:
- Capture location information. You can use a GPS, a smartphone, or another method to collect information about your location.
- Get permission. Be sure you have the permission of your parent or teacher, as well as the owner or caretaker of any place you visit.
- Be sure you have any needed safety equipment.
- Bring an adult.
- Plan ahead. Make sure you know the type of data you are collecting, what tools you will need, and what method you will use.

Collecting GeoSpatial Data

Answering a SoYP Inquiry Question and telling a Geo-Inquiry Story means you will need to collect geographic data. Some data you collect in the field, while other types can be found online or in other sources. The type of data you collect depends on your question, but following are some common types of geospatial data:
- Maps
- GPS coordinates
- Addresses
- Aerial images
- Satellite images
- Statistical information (population, economic data, etc.)
- Scientific data

Adapted from Geo-Inquiry Process Resource Packet

SoYP Inquiry Question Tool

Name: _____   Date: _____

Choose a component from each column to incorporate in your SoYP Inquiry Question(s):

Framing Words	Category	Action Words
How...	History (change over time)	Change
What…	Settlement (past and present)	Affect Influence
Who…	Human characteristics (cultural, psychological, economical, etc.)	Conflict
When...	Physical / Biological characteristics	Correspond Coincide
Why….	Wild Card	Compare / Connect (scale - local, regional, global)

Note: "Where" is another important framing word already implied in SoYP Inquiry Questions.

SoYP Inquiry Question(s):

_____

_____

_____

_____

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_____

_____

Adapted from Geo-Inquiry Process Resource Packet

SoYP Inquiry Question Tool cont.

Audience or Purpose	To teach… To educate...	To learn…	To interact with...	For a public audience...	To share...	To persuade...	Wild Card

Write a sentence to describe the purpose of your SoYP Inquiry project.

_____

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Adapted from Geo-Inquiry Process Resource Packet