

Biome Project Student Directions

Name: _____ Section: _____

YOUR BIOME: _____

Your Expedition:

Imagine that you have been given the opportunity to explore a biome and that you are one of the first people to explore this area. Your written records (journal and presentation) will document your journey through the biome you choose.

Mission:

Become an expert on your specific biome.

- Understand the characteristics of the biome
- Understand how plants and animals are adapted to that biome
- Understand how ecosystems in the biome are connected

What you are turning in and will be graded on:

1. Journal Style Report (50 Points)
2. Presentation with poster (50 Points)

Details on the Journal Portion of the Project:

- **Format:**
 - The journal consists of seven folded sheets of paper OR you may purchase or make a journal (be creative if you want!)
 - Remember to follow our **journaling standard format** – writing on the right and sketches on the left. Include all the elements: date, time, location, who is with you, weather conditions, AND labels.
 - Journals can be handwritten or typed– make sure you have at least eight facts per page and that you include your observations and thoughts!
 - **Drawings:** Make sure drawings are hand drawn, accurate, and with scale. They can be in color.
- **Content:**
 - Page 1 - Describe the biome (big picture) - can include a map, geology, geography
 - Page 2 – Plants or Autotroph
 - Page 3 – Invertebrate
 - Page 4 – Fish, Amphibian, or Reptiles
 - Page 5 - Bird (if you have an aquatic habitat – this can be another fish or invertebrate).
 - Page 6 – Mammal
 - Page 7 – Connections and Relationship – How do the species all work together (food chain, symbiosis)

Guidelines for Pages 2-6

1. Use scientific and common names
2. Describe habitats and organisms accurately
3. Draw the organism and label important structures
4. What adaptations help the organism survive in your biome?
5. Provide life history information (imagine you observed the organism in action) - movement, habitat, feeding, and other behaviors. Don't forget things like nesting, courtship, tracks, prey, etc.

Life Science (Grade 6)

Biome Project



Project Timeline

Event:	Checkpoint/Due:
Choose your Biome	2 nd quarter
Background Research	
Title, introduction and journal entry (pg. 1)	
Plant/Autotroph and journal entry (pg. 2)	
Invertebrate and Journal entry (pg. 3)	3 rd quarter
Fish/Amphibian/Reptile and Journal entry (pg. 4)	
Bird and Journal entry (pg. 5)	
Mammal and Journal entry (pg. 6)	4 th quarter
Ecosystem Connection and Journal entry (pg. 7)	
Practice Presentation	
Final Presentation	

Presentation

- Presentations should last 5 minutes plus 1-2 minutes for questions.
- Make a trifold of their biome to use during your presentations
- Presentations will be conducted similar to a gallery walk or a science fair
- Presentations will take place in the first of **May 2027**.

Your Journal is due the day of your presentation.

Name: _____ Section: _____

YOUR BIOME: _____

What your final project must teach us:

- ☐ Where your biome is found
- ☐ What the climate and weather are like
- ☐ What plants live there and how they are adapted
- ☐ What animals live there and how they are adapted
- ☐ How energy moves through the biome (food web, symbiosis relationships)
- ☐ How humans affect the biome
- ☐ How the biome is being protected
- ☐ Why your biome is unique or important

The Golden Rule of Research

Do not copy and paste information and call it research. Read it, understand it, and put it into your own words. If you use a fact, image, map, or other information from a source, record where it came from.

Project checkpoints

Checkpoint	What you will complete	Target timing	Teacher check
1	Biome introduction and overview	October	☐
2	Climate + weather	October	☐
3	Plants/Autotroph	October / November	☐
4	Invertebrates	January	☐
5	Fish/Amphibian/Reptile	February	☐
6	Bird	March	☐
7	Mammal	April	☐
8	Ecosystem, relationship & conclusion	April	☐
9	Tri-fold poster layout + planning	May	☐
10	Final tri-fold + presentation	May	☐

My project tracker

Checkpoint 1: _____ Due: _____ Teacher initials: _____

Checkpoint 2: _____ Due: _____ Teacher initials: _____

Checkpoint 3: _____ Due: _____ Teacher initials: _____

Checkpoint 4: _____ Due: _____ Teacher initials: _____

Checkpoint 5: _____ Due: _____ Teacher initials: _____

Checkpoint 6: _____ Due: _____ Teacher initials: _____

Checkpoint 7: _____ Due: _____ Teacher initials: _____

Life Science (Grade 6)

Biome Project



Checkpoint 8: _____ Due: _____ Teacher initials: _____

Checkpoint 9: _____ Due: _____ Teacher initials: _____

Checkpoint 10: _____ Due: _____ Teacher initials: _____

Project Roadmap

Keep this page in the front of your project folder.

Month	Our Focus	My Goal	Done
October	Meet your biome. Learn research skills.	I understand my biome and can find trustworthy sources.	☐
October	Climate + weather	I can explain what the climate is like and why.	☐
October/November	Plants/Autotrophs	I can explain a plant in my biome.	☐
January	Invertebrates	I can talk about an invertebrate in my biome.	☐
February	Fish/Amphibian/Reptiles	I can explain a vertebrate living in my biome.	☐
March	Birds	I can explain a bird present in my biome.	☐
April	Mammals	I can talk about a mammal in my biome.	☐
April	Biome Summary	I can talk about relationships and provide a summary of my biome.	☐
May	Poster planning + lay out	I can organize my information clearly.	
May	Presentation	I can teach others what I learned.	