

ACTION PLAN

CD1 - Assess the implications of human actions on the local and global climate and the sustainability of ecosystems. (CP, DM)

CD2 - Investigate factors that influence Earth's climate system, including the role of the natural greenhouse effect. (DM, SI)

CD3 - Examine biodiversity through the analysis of interactions among populations within communities. (DM, SI)

CD4 - Investigate the role of feedback mechanisms in biogeochemical cycles and in maintaining stability in ecosystems. (CP, DM, SI)

For your final project you will be investigating a negative environmental practice within your community and developing an action plan for reducing or removing a problem related to practices that negatively impact the ecosystem.

Guidelines:

- **You must get your topic approved by the teacher before proceeding (see Step 1)**
- You will be required to self-assess your work throughout the process.
- You will be required to demonstrate progress on your topic on designated check-in dates.
- You will be required to show evidence of your learning at the end of this project.
- This action plan **MUST** demonstrate your understanding of the course outcomes.

Step 1 – Identify a Topic of Research

Due: _____

- On this check-in date you will submit a proposed Topic of Research that includes:
 - Identify a single modern practice within Warman and area that negatively impacts the climate or ecosystem that you believe could be changed or fixed.
 - Why is this topic important to you? This needs to be clearly stated.
 - How does your topic relate to the learning outcomes of the course?
 - Hand in your Proposal Outline.

Step 2 – Research Outline

Due: _____

- On this check-in date, you will be required to submit research that you have collected to support your Action Plan.
 - What are the impacts that this practice has had in damaging part of the ecosystem. How does the practice harm the climate? How does the practice harm the ecosystem?
 - What problems could this damage cause to the rest of the ecosystem? How does damage to one part of the system impact the rest of the system? What plants or animals are harmed?
 - Who benefits from the current practice?
 - Are there environmental practices, other than the one you researched, that make the problem worse?

Step 3 – Action Plan Proposal

Due: _____

- On this check-in date, you will be required to submit the proposed Action Plan to resolve the harmful practice.
 - Determine a plan to change or eliminate the practice.
 - Consider how this new practice would be put into action.
 - What are the positive impacts of this new plan?
 - Will the new practice have any negative impacts?

Step 4 – Feedback

Due: _____

- On this check-in date, you must submit a final copy of your project.
 - You must include all research and a detailed outline of your final project.
 - By handing this copy in on the check-in date you will get valuable feedback that will help you to create the best possible final product.

Step 5 – Final Submission

Due: _____

- This is the final deadline for your project. All work must be submitted at this time.
- Includes: Proposal of Action Plan Research Topic, Research Outline, Action Plan Proposal, Rough Copy, Final Copy and Assessment.

Assessment:

- A self-assessment must also be submitted with the final project.
- Refer to the attached rubric for assessment criteria.

Step 1: Identify a Topic of Research

Student Name: _____

What is your identified modern practice within Warman and area that negatively impacts the climate or ecosystem that you believe could be changed or fixed?

Why is this topic important to you? This needs to be clearly stated.

How does your topic relate to the learning outcomes of the course?

What material/resources/equipment will you need to complete your project?

Step 2: Research Outline

Student Name: _____

The following information must be completed as well as including all research gathered for this check in date.

Source 1:

- How did this source help you?
- What information will you use from this source in your project?

Source 2:

- How did this source help you?
- What information will you use from this source in your project?

Source 3:

- How did this source help you?
- What information will you use from this source in your project?

Source 4:

- How did this source help you?
- What information will you use from this source in your project?

Also answer:

- What are your next steps?

Step 3: Action Plan Proposal

Student Name: _____

What is your plan to change or eliminate the practice you identified?

How do you plan to put this new practice into action?

What are the positive impacts of your proposed change?

What are the possible negative impacts of your proposed change?

Step 5: Self-Assessment

Student Name: _____

Please use this form to keep a record of your progress throughout this project during assigned class times as well as time working outside of class. There should be one entry for every in-class work period as well as at least 3 more entries showing work outside of class.

Date: _____

Goal for this work period:

How well did this work period go?

What did you accomplish in this work time?

Date: _____

Goal for this work period:

How well did this work period go?

What did you accomplish in this work time?

Date: _____

Goal for this work period:

How well did this work period go?

What did you learn in this work time?

Date: _____

Goal for this work period:

How well did this work period go?

What did you learn in this work time?

Date: _____

Goal for this work period:

How well did this work period go?

What did you learn in this work time?

Date: _____

Goal for this work period:

How well did this work period go?

What did you learn in this work time?

Date: _____

Goal for this work period:

How well did this work period go?

What did you learn in this work time?

Science 10 – Environmental Action Plan Project Rubric

Name: _____

	4	3	2	1	Grade
Organization: Has met all progress check-in dates. The submission requirements have been met on time and were completed precisely and properly.					
Research: Strong, credible research. A detailed collection of research/evidence has been provided. *Research log has been completed and submitted*					
Product: The product is free of any grammatical or spelling errors. Shows evidence of corrections and editing from the rough copy. Written in student language with student explanations. Product is neat and clean.					
Content: Quality of Final Action Plan (professional, clear, logical, creativity, convincing, effort is evident)					
Self Assessment completed on an ongoing basis. On-going self-assessment was completed as required. Four entries for in class work time were present and three entries for work outside of class.					
TOTAL					

Comments: