Environmental Systems & Societies (HL)

HARRISON TRIMBLE HIGH SCHOOL — MS. PERRY

This is an interdisciplinary course that explores environmental systems through scientific inquiry, data analysis, and real-world applications. It integrates perspectives from biology, geography, and environmental science to help students develop a holistic understanding of sustainability and environmental challenges.

- **Fullfills both Group 3 and Group 4 requirement (frees up space for a 6th course of your choice!)**

What to Expect

- **Inquiry-Based Learning:** Engage in investigations, data analysis, and problem-solving related to environmental issues
- **Data-Driven Analysis:** Emphasis on collecting, interpreting, and evaluating scientific data to support evidence-based conclusions.
- **Global and Local Perspectives:** Case studies and real-world examples will highlight environmental issues at multiple scales.
- **Fieldwork and Lab Investigations**: Students will participate in hands-on experiments, ecological field studies, and sustainability projects.

Key Skills Developed

- **Systems Thinking**: Understanding the interactions within and between environmental systems.
- **Critical Evaluation**: Analyzing environmental data, models, and solutions with scientific rigor.
- **Effective Communication**: Presenting and defending arguments with clarity and evidence.
- **Collaboration and Reflection**: Engaging in discussions that consider multiple viewpoints and ethical considerations.

Who Should Take This Course?

- Students interested in **science, sustainability, and global environmental issues.**
- Those who enjoy **analyzing data, problem-solving, and critical thinking**.
- Learners who like **hands-on investigations, fieldwork, and case studies.**

Topics Covered

Syllabus Content
Topic 1 - Foundation
Topic 2 - Ecology
Topic 3 - Biodiversity and Conservation
Topic 4 - Water
Topic 5 - Land
Topic 6 - Atmosphere and Climate Change
Topic 7 - Natural Resources
Topic 8 - Human populations and Urban Systems

Higher level (HL) Lens
Environmental Law
Environmental and Ecological Economics
Environmental Ethics

Experimental Programme
Practical work
Collaborative Sciences Project
Scientific Investigation

Assessment

Type of Assessment	Format of Assessment	Time (Hours)	Weighting of final Grade
Internal Aseessment	Individual investigation	10	20 %
External Assessment	Paper 1	2	30 %
	Paper 2	2.5	50 %

Welcome to a course that will challenge you to think critically about the environment and your role in shaping a sustainable future!

QUESTIONS?

michelle.perry@nbed.nb.ca