TEACHER: A. Hallihan

COURSE DESCRIPTION:

HO SUCCESS HITTHOUT LABOUR

The objective of this course is for students to develop the knowledge base and skills for investigating and analyzing environmental issues and for communicating their knowledge and analysis to others.

DISTRIBUTION OF TOPICS:

- Unit 1: An Overview of Environmental Science (25 hours)
 - The Issues
 - Population Growth and Resource Limitations
 - Researching Current Environmental Issues

• Unit 2: Sustainable Development (30 hours)

- Ecology
- Environmental Awareness
- Sustainable Ecosystems and Communities

• Unit 3: Investigating Environmental Issues (35 hours)

- CLASS THEME: Fisheries...Miramichi Watershed
- INDIVIDUAL THEME: One of the following...

Agriculture, Forests, Fresh Water, Energy Resources, Climate Change or Water/Air Pollution

EVALUATIONS:

Tests / Quizzes / Assignments / Labs / Journals	40 %
Eco-Challenge Project	30 %
Exam	30 % * Academic Incentive 15 % or 50 % Exam

* To reach an academic incentive, a student must meet the following criteria...

1) Misses 5 or fewer classes in a particular subject (school activities and death in the family are exempt).

AND

2) Is in good academic standing (nothing owing for assignments/quizzes/tests) with a passing grade.

ECO-CHALLENGE PROJECT:

Completion of a student project is a requirement for this course. There are two options for completion...

A: Research Paper
 B: Eco-Point Activities With A Target Of 400 Points
 B: Eco-Point Activities With A Target Of 200 Points

See *Appendix A and B* for more information.

Appendix A

ECO-CHALLENGE PROJECT

Those students who choose **option A**...here are some details on the two of the components:

Research Paper

- Independently research an environmental issue.
- Summarize and analyze the results of your research and communicate the results through a written paper.
- 4 5 pages in length using MLA Referencing (12 Font, Times New Roman, Double Spaced).

IMPORTANT DATE: December 14th: Research Paper is due

Collaborative Presentation

- Develop a cohesive and engaging presentation for the class...can be done individually or with a partner with a similar topic.
 - Visuals should be included (graphs, pictures, videos, etc.).
 - An activity must be included.
 - Presentations will be peer reviewed.
 - Duration will be 5 minutes if done individually or 8 minutes if done with a partner.

IMPORTANT DATES:

- January 10th: Presentation order will be announced
- January 14th 16th: Presentations

Both options require completion of EcoPoints...here are some details on the activities:

EcoPoint Activities

- Complete a choice of optional activities that demonstrate the following four components:
 - Personal appreciation of the environment
 - Stewardship through action
 - Advocacy for the environment
 - Engagement of others in environmental inquiry
- <u>At least one</u> activity from each category must be attempted. An inventory will be recorded as this will be done throughout the course and I will sign off on the inventory as they are completed.
- Option A has a target of 200 EcoPoints and option B has a target of 400 EcoPoints.
- Inventories will be collected on the following dates:

November 1st...marking for achieving at least half of your target points. January 17th...marking for achieving all of your target points.

Appendix B

ECO- CHALLENGE PROJECT

Components

- 1. Research Paper
- 2. Collaborative Presentation
- 3. Eco-Point Activities

Personal Appreciation Component

- Read an approved book and share with class
- Write a poem or song. (maximum 2)
- Create a piece of artwork (drawing, sculpting, painting, etc.). (max. 1)
- Organize an outdoor activity for at least 5 classmates out of class.
- Volunteer at an environmental event.
- Create a scrapbook of current ES issues, clippings, summaries, etc.
- Share an appropriate article with the class.
- Invite a guest speaker to class. Prep class before and debrief class after.
- Create a bulletin board display
- Build a model using recycled materials.
- Create an video documenting your environmental experience
- Create a logo
- Submit pictures from an event you attended/participated
- Other (student suggestions)

Stewardship Through Action Component

- Clean the fish tank
- Watering the plants
- Organize a community workshop.
- Attend a lecture or seminar out of class and report to class.
- Work at an environmental job, document your experience and share with class.
- Head up an anti-litter campaign and organize a highway clean-up day .
- Create an environmental awareness video
- Organize a school art show featuring a category for recycled art.
- Write, produce and create your own nature interlude (on video). An interlude should be 100% human-free and generally is put to music
- Create and market an earth-friendly product (bags, soaps, stationary, etc.).
- Beautification project (e.g. create a community or senior's home garden)
- Design and maintain for the duration of the term, a web-based environmental newsletter that is a compilation of current environmental issues, interviews, news clips photos, articles, etc.
- Other (student suggestions)

Advocacy for the Environment Component

- Write a letter to ______ advocating change (unlimited)
- Sign up for a newsletter from an environmental group
- Interview a local "environmentalist" who you consider a role model
- Complete an appropriate career profile
- Organize a special awareness/promotion day at school
- Create a video commercial promoting "green" behavior
- Other (student suggestions)

Engagement of Others in Environmental Inquiry Component

- Organize a lab activity for the class
- Design a game for the class to review a unit or to introduce a new topic (Board game, jeopardy, etc.)
- Bulletin board display
- Create a video documentation of a lab or field trip
- Design a lesson and teach to an elementary class
- Other (student suggestions)

<u>Weight</u>

- 40 % of overall mark 30 % of overall mark 30 % of the overall mark
 - 10 [+5 if reviewed on the blog]
 5 [+5 if recorded and +5 if published]
 10 [+? depending on effort]
 10 [+? depending on scope of activity]
 5 / hr [+5/hr if presenting]
 15 [+? depending on effort]
 5 [+5 if reviewed on the blog]
 15 [+5 if done with Skype]
 10 [+5 if school-wide]
 10 [+? depending on effort]
 30 [prior discussed with teacher]
 5 [+5 if chosen to be published]
 5 [+? If given in different format]
 negotiable

5

5

50 [prior discussed with teacher] 15 [+5 if reviewed on the blog] 30 [prior discussed with teacher]

- 30 [prior discussed with teacher]
- 30 [prior discussed with teacher]
- 30 [prior discussed with teacher]
- 20 [+? depending on effort]

50 [prior discussed with teacher] 75 [prior discussed with teacher]

75 [prior discussed with teacher]

negotiable

- 5 [+5 if you receive a reply]
- 5 [must pass in confirmation e-mail]
- 10 [+10 if done in video format]
- 10 [+5 if reviewed on the blog]
- 30 [prior discussed with teacher]
- 30 [prior discussed with teacher] negotiable
- 20 [+? depending on effort]
- 20 [+? depending on effort]
- 10 [+5 if school-wide]
- 30 [prior discussed with teacher]
- 75 [prior discussed with teacher] negotiable