Naperville District 203

AP Environmental Science (APES) Syllabus
2020-2021

To educate students to be self-directed learners, collaborative workers, complex thinkers, quality producers, and community contributors.

Course Description
Welcome to AP Environmental Science or APES! The goal of this class is to provide you with scientific tools and principles to understand the interrelationships of the natural world, to identify environmental problems and analyze the causes, to identify the consequences of these problems, and to investigate solutions to mitigating or preventing these problems. This course will be dynamic, exciting, and thought-provoking.

Course Topics

**Semester 1**
- Unit 1: Earth Systems and Resources (Earth science concepts, the atmosphere, global water resources and use, soil and soil dynamics)
- Unit 2: Populations (population biology concepts, human population)
- Unit 3: Land and Water Use (agriculture, forestry, rangelands, mining, fishing, global economics)

**Semester 2**
- Unit 4: Energy Resources and Consumption (energy consumption, fossil fuels, nuclear energy, hydroelectric power, energy conservation, renewable energy)
- Unit 5: Pollution (pollution types, impacts on the environment and human health, economic impacts)
- Unit 6: Global Change (stratospheric ozone, global warming, loss of biodiversity)

Course Content Grade

- Formative - 10% (homework, labs, worksheets)
- Summative - 90% (Quia quizzes, lab quizzes, chapter quizzes, unit exams)
- Final Exam - TBA

A : 90-100%
B : 80-89%
C : 70-79%
D : 60-69%
F : below 60%

Any percentage lower than 50% will be put into the grade book as a 50%, the lowest possible grade on completed work (incomplete or work not turned in will receive a grade of 0 in the grade book).

At Naperville North we define formative and summative work as follows:
- Formative work is used to monitor student’s learning to provide ongoing feedback that can be used by students to improve their learning.
  - Formative assignments will be accepted up to the end of each unit.
  - Formative work submitted after the due date will not be penalized more than a total of 10%.
- Summative work is used to evaluate student learning at the end of an instructional unit or segment of learning by comparing it against a standard or benchmark.
  - Summative work submitted after the due date will not be penalized more than a total of 10% and must be submitted prior to the end of the next unit.
  - A zero on a summative assessment will only indicate that no attempt was made by the student.
Academic Integrity and Acceptable Use

Violations of the academic integrity policy will be consequenced by administration in collaboration with the science department head and teacher. Please refer to the NNHS student handbook for Academic Integrity consequences. The academic integrity policy still applies during remote learning.

*Anything that is not explicitly assigned as group work must be original work, completed and submitted by*

Cell phones are strictly prohibited in class. Secure course materials will be used in this class and having a cell phone out will result in an automatic referral.

Communication

- As a high school student, it is strongly encouraged that you communicate directly with your teacher.
- Teachers make every effort to respond to emails and phone calls within 24 hours during the work week.
- The best way to communicate with teachers is through email; however, if you haven’t received a response within 48 hours, please resend the email or call their voicemail. Your email may have been filtered.

- Make an appointment with your teacher.
- **NNHS student supports**

Naperville North believes in a collective partnership with parents/guardians which provides students the best opportunities for academic success.

Some ways parents/guardians can support their student’s learning are:

- Actively check Canvas for student’s remote learning assignments.
- Actively check Infinite Campus for current and monthly progress grades
- Discuss missing assignments
- Help organize folders, class materials, and assignment notebook

Digital Viewing Options:

- An Inconvenient Truth
- Before the Flood
- Bozeman Science
- Cane Toads
- Chasing Coral
- Crude Awakening
- Food, INC.
- How the Earth Was Made
- Inconvenient Truth
- National Geographic’s Strange Days on Planet Earth
- NOVA World in the Balance
- Planet Earth
- Poisoned Waters
- Rise of Ecology
- Saved by the Sun
- Saving the Planet Climate Change
- Strangedays
- Ted Talks/Documentaries
- The Lorax
- Trashed
- Warning from the Ice

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