Class Syllabus

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Tardy Policy

Everywhere you go in life, people will expect you to be on time. The BCHS policy is that for all periods OTHER than 1st / 2nd, being tardy will result in an automatic 1-hour detention. Frequent tardies to any period will result in a referral to your administrator.

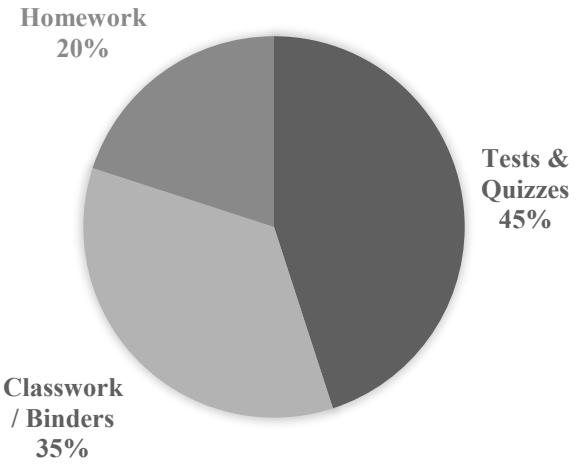
Homework Policy

Homework is assigned **weekly** and is due the following week. Late homework is for 50% credit. Assignments may vary, but will be posted to the **online**, which you can access through FOCUS.

Standards

The state of Florida has listed all the concepts you are expected to master in order to pass this course. These include standards in science, but also some in **reading**, **writing**, **speaking & listening**, and **math**. We *will* be reading, we *will* be writing, and we *will* be using math in this course because these are all part of science.

GRADE BREAKDOWN



Why Environmental Science?

This course will explore our planet and the environments and systems it contains. We will be building off of information you have learned already in both elementary and middle school, but going into deeper learning. Our goal is to prepare you for not only higher level science courses, but to think critically about the world around you. To do this, we will be developing scientific skills: *analyzing* information, *thinking* like a scientist, supporting that thinking with *evidence*, and then sharing that information by *talking* and *writing* like a scientist.

Miss a class?

It is YOUR responsibility to ask for – and complete – any work you missed. You may ask your classmates, you can check the calendar by the make up work bin, and you can also check FOCUS for missing assignments. Often, work is posted to the **online** for your reference.

Miss a **test** or **quiz**? Arrange with me a time to take it during lunch or after school.

Extra Credit? No Problem!

If you have completed your expected classwork and homework but need a little extra credit to make up for a bad test day, we can arrange that. Extra credit will be given in return for an agreed-upon inquiry or research project.

Interactive Notebooks

Most classwork and labs will be completed in your science notebooks. I expect you to maintain an organized notebook which is truly a portfolio of your hard work in science. Responses should be thoughtful and in complete sentences, notes should be legible, illustrations & graphs should be labelled, and all work should follow the format given. If you lose your notebook, you must replace it. They will remain in the classroom unless stated otherwise.

Teacher(s):	The **Course Organizer**	Student:
Time:		Course Dates:

This Course: Environmental Science

is about

Environmental science is the **science** of the interactions between the physical, chemical, and biological components of the **environment**, including their effects on all types of organisms but more often refers to human impact on the **environment**.

Course Questions:

- Why is Environmental Science important?
- What are the ecosystems on our planet?
- How does matter and energy cycle on Earth?
- What is biodiversity and why is it so important?
- What are the characteristics, factors of, and relationships between populations in ecology?
- What do we need to be concerned with as humans?
- What role does water play in our environment?
- What role does land play in our environment?
- What role does the atmosphere play?
- What resources do we have to create energy?
- Why is it important to live with sustainability?

Course Progression

Work will be evaluated by:

Unit Tests & Quizzes
Lab Participation & Reports
Interactive Student Notebooks
Weekly Homework
Class Discussion/Activities
Mid-term & Final Exams

Unit 1 – Intro to Environmental
Unit 2 – Ecology
Unit 3 – Populations
Semester 1 Exam
Unit 4 – Earth's Resources
Unit 5 – Mineral and Energy Resources
Unit 6 – Our Health & Our Future
Final Exam

Course Map

This Course: **Environmental Science**

includes

Community Principles

- Respect
- Responsibility
- Safety

Learning Rituals

Unit Organizers
Interactive Notebooks
Lab Activities
Cooperative Groups
Reading
Writing
Math

Performance Options

Safe participation in labs
Interactive Notebook
Homework
Quizzes/Tests
Class Discussions/Work
EC: inquiry projects

Critical Concepts

Science and the Environment
Scientific Processes/Inquiry
Ecosystems
Biogeochemical cycles
Matter & Energy transfer
Biodiversity
Population Ecology
Human Population
Water Resources
Air Resources
Land Resources
Mining and Mineral Resources
Nonrenewable Energy
Renewable Energy
Population and Human Health
Sustainability

Learned in these Units

- Intro to Environmental
- Earth's Resources
- Ecology
- Mineral and Energy Resources
- Populations
- Our Health & Our Future