**Environmental Systems**

**Campus**: Jim Ned High School **Year:** 2025 – 2026

**Teacher:** Mrs. Amie Miller **Conference:** 6th period 1:05-1:54

**E-mail:** [amiller@jimned.esc14.net](mailto:amiller@jimned.esc14.net) **Phone: (**325) 554-7755

**Please keep this page in your notebook all year… You will be responsible for knowing this information all year long.**

**Prerequisites:** Biology

**Recommended Prerequisites:** IPC, Chemistry or a concurrent enrollment in either course.

**Course Description:**  In Environmental Systems, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic & abiotic factors in habitats, ecosystems & biomes, interrelationships among resources & an environmental system, sources & flow of energy though an environmental system, relationship between carrying capacity & changes in populations & ecosystems, natural changes in the environment, and human activities that impact the natural environment.

**Course Outline:**

Intro to Environmental

Scientific & Engineering Practices

Ecology, Food Webs, & Symbiosis

Species & Populations

Biomes, Succession & Biodiversity

Atomosphere

Plate Techtonics

MInerals, Mining & Soil

Fossil Fuels & Renewable Energy

Surface Water, Groundwater, Water Cycle

Marine Biomes & Water Pollution

Land Use & Sustainability

**Grades:**

* There will be a minimum of 2 grades per week taken each 6 weeks. Grades will be put into Ascender in a timely manner. ***Please check your grades on a frequent, regular basis.*** 

Late work and make-up work will be given at teacher discretion. You are responsible for keeping up with deadlines.

**Tests (40%)** There will be a minimum of 2 tests per 6 weeks.

**Labs, Projects & Notebook Checks (25%)** Labs & projects are a crucial component of understanding concepts. Due dates will be given at the start of the lab, project or notebook. Be sure to get the assignment in on time for maximum credit.

**Quizzes (20%)** Quizzes will be given periodically. This includes announced quizzes and unannounced (pop) quizzes. Please pay attention when instructions &information are given & be prepared for either.

**Daily work (15%)** Homework will generally fall under daily work.

**Absences & Make-up work:** You are responsible for collecting and turning in missed work. Be sure to stay on top of your work… it is easy to get behind and not be able to recover grades that were missed.

**Late work & Corrections**: Turn work in on time and do assignments with the highest quality possible. However, I understand that life happens and things get missed from time to time but ultimately, acceptance of late work and the opportunity for corrections on an assignment is up to the teacher’s discretion. Each will result in a lowered grade from the highest original grade possible. Highest possible grade on late work is a 70. Corrections will vary depending on the nature of the assignment.

**Tutorials:** 

Campus times: Monday - Friday 7:45 am – 8:05 am & 3:45 pm – 4:00 pm

\* Wed. AM (no tutorials) \*\*\*\* Safest bet: Schedule tutorials ahead of time. \*\*\*\*

**Expectations:**

* Be polite & respectful. Being disrespectful to anyone including peers is not acceptable.
* Bullying will absolutely not be tolerated. We will have fun together and learn from each other but not at the expense of others!
* Passing period is for breaks and using the restroom. Do what you need to but don’t be late to class. You are only given a limited number of trips out of the classroom so use them wisely.
* Teacher & parents will communicate regularly and when needed. 

**Policies:**

**Electronic devices**: You will be expected to follow the new school policy.

**Chromebooks:** Bring school-issued Chromebook with you every day charged & ready to use. It is a good idea to label your charger and have it with you at school as well.

**Participation:** Participation is expected in ALL activities. We do a lot of individual work and group work in this class. Failure to comply may result in a lowered grade or even a zero.

**Tardies**: After my classroom door is shut, you will be considered tardy.

**Academic Misconduct**: Cheating will result in a zero. It will be noted in Ascender as well. Helping someone cheat or using AI without permission ahead of time is considered cheating also. Please be a person of integrity, don’t cheat. See additional AI policy for acceptable use guidelines.

**Lab Expectations**: HORSEPLAY IN THE LAB AREA WILL NOT BE TOLERATED. This is for your safety and the safety of others. Please take care of all equipment. See additional Lab Safety info.

**Supplies:**

□ Pencils □ Pens (including blue, black & red) □ map pencils □ glue

□ Notebook paper □ 2 Composition notebooks (100 sheet preferably)

□ 1 Pocket folder with or without brads OR a 1.5 in 3 ring notebook, any color

Please return *asap* but no later than WED., Aug. 20th , 2025.

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STUDENT *Printed* Name STUDENT SIGNATURE DATE

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PARENT *Printed* Name PARENT SIGNATURE DATE