**Environmental Science**

**​​**2024-2025 Course Syllabus​

**​​INSTRUCTOR INFORMATION​**

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| --- | --- | --- |
| **​​Instructor​** | **​​Email​** | **Class Location & Phone** |
| ​​Sara Haggerty   | ​​shaggerty@fillmorecsd.org  | ​​D136​585-567-2251 ext. 5136 |

**​​GENERAL INFORMATION​**

**Grade Level:** 10-12

**Course Duration:** Full Year

**​​**

**Description: ​**

In this course students will be gaining knowledge and understanding of Environmental Sciences. Throughout the year students will be learning about not only the environment in North America, but our local area. Class will follow the Envirothon Competition along with other Environmental CDE’s. Students will be meeting individuals in the field and in the classroom along with going on tours. Class will be a split between lecture and hands on in and out of the classroom.

**​​**

**COURSE MATERIALS​**

**​​Required Materials/Resources ​**

* Laptops
* Pencils (and pens)
* Calculator
* 1-inch binder
* Forestry tools
* Positive, ready-to-work attitude

**EXPECTATIONS**

**Do the right thing, even when no one is watching**

1. **Be Respectful:**

Treating others with the same **value**, **appreciation**, and **consideration** as you would for yourself.

* Create a **positive environment.**
* **Raise your hand** to contribute to discussion.
* **Use appropriate language.**
* Hoodies and sunglasses are not permitted. Hats may be permitted per teacher discretion.
* **Take care of class materials.**
* **No cell phones or unauthorized electronic device usage.**
* Only leave class if there is an emergency.
1. **Be Responsible:**

Taking care of the items **entrusted** to you and the materials **provided for you**. Looking out for the welfare of others.

* You are responsible for learning material.
* Clean up after yourself and put things away where they belong.
* **Know when projects are due.**
* Be a good **digital citizen.**
* If you are absent, make sure to get the work you missed.
* **Use your time wisely.**
* Always watch out for the **safety of others.**
* **DO NOT WRITE ON TABLES OR VADALIZE SHOP SETTING!!** If I see you do this, you will lose participation points for the day.
1. **Be Ready:**

Be **prepared** for any situation or challenge. **Think ahead** and **plan**. Meet your **deadlines**.

* Come equipped for class.
* **Position of engagement**- Posture, body language, eye contact.
* Participate in class discussions.
* Always follow **all emergency policies.**
1. **Be Resilient:**

Never sayCAN’T. Think positive and **TRY, TRY, AGAIN**. Don’t accept defeat the first time.

* **Be teachable.**
* Accept failure and mistakes then try again.
* **Be confident** in your abilities.
* Step up and help or lead when called.

**Disruptions:**

Any behavior, determined by me, considered to be damaging to the learning process of students or the instruction from the teacher.

These will result in:

1. ONE warning: Pay attention to subtle cues. These are to save you any embarrassment.

2. Parent contact. Referral to the office if necessary.

3. Removal from the classroom

**GRADING POLICY**

**Projects:**

All projects will be introduced during class and class time to complete the projects will be provided. If the class time provided is not adequate for students to complete the project, additional time may be added at the instructor’s discretion. Otherwise, students may be required to come down during free periods or work on it at home. If this is the case students will be notified in advance. All projects will be due at the end of the day (EOD) on the assigned deadline to be eligible for full credit. It is totally acceptable to turn in projects early or during class on the day that they are due. All projects will receive feedback from the instructor during the project and a final commentary at the end of the project when students receive their grades. **Projects may be submitted in person or on Google Classroom. Check the assignment details to be sure.**

**Quizzes:**

Quizzes will be announced **at least 2 days in advance** of the day it will be given. Quizzes are based on the course material covered during class. Taking good notes is encouraged during class because notes can be used on any quiz unless otherwise stated by the instructor. Learning is still happening during a quiz and your notes help facilitate that. Quizzes will generally be less than 25 questions and be mostly multiple choice.

**Classwork:**

This category includes participation in class discussion, attendance in class, and general participation during scheduled class time – project work, note taking, etc. Lost time of classwork may be made up by meeting with the instructor during a free period to discuss important topics covered. Students receive 20 points per day for a total of 100 points at the end of a week. Unexcused absences will result in 0 points for the day.

This category will also include any activities, worksheets, reflections, exit tickets, etc. that are completed during the class period and collected.

**Homework:**

This **IS NOT** busy work. Any homework that is assigned is designed to help move the course material along by serving as additional practice or preparation for the material that is to come during class discussions. This may include vocabulary, short readings, or practice worksheets. Homework is expected to be done by the start of class on the day that it is due, and it will be looked at for completion. Students will receive either a pass or fail on the assignment. No late work will be accepted.

**LATE WORK (Applies to Projects ONLY)**

Late work will be assessed a 10% late penalty per day, taken off the maximum point value for the project. Late projects turned in no later than **2 days** before the end of the quarter will receive an automatic 65% if all requirements are met. All projects will receive feedback from the instructor during the project and a final commentary at the end of the project when students receive their grades.

There will be no class time for students to finish late work. Students must complete it on their own time - during study halls, after school, or at home.

**ABSENCES/MISSED WORK**

Due date extensions will be granted in the same measure of days you were absent. If you were absent (3) days, your due date will be extended (3) days. This does not apply during the last week of the quarter without a doctor’s note or parent contact.

**\*You are expected to ask me what you missed while you were absent\***

If students have questions about any missed work, they can ask to come down during my free period(s) and I will help them.

**CATEGORY LIST**

Placement on the Category List can be narrowed down to two factors: Learner Behaviors and Class Expectations. In the event this must be used, we will have discussed changes that need to be made to learner behaviors and/or meeting class expectations long before you are assigned to the Category list. Failure to make those changes will result in placement on the Category list. (See the student handbook for policies and restrictions). Attitudes towards success are directly related to performance in class and meeting expectations.

**SUCCESS**

Completion of this course successfully means you have experienced new challenges, exercised new or existing skills, and gained knowledge about the different areas encompassing the Agricultural industry. **The degree to which you want to succeed is dependent entirely on your effort as a student. You will get out of the course what you put into it.**

**​​COURSE UNITS​**

\**The instructor reserves the right to modify and/or make changes to the course schedule and topics covered at any time*

|  |  |  |  |
| --- | --- | --- | --- |
| **Unit** | **​​Topic​** | **Time** | **Assignments/Projects** |
| **1** | Intro into Environmental Science |  |   |
| **2** | Tragedy of the Commons  |    |  |
| **3** | Dichotomous Keys   |    |  |
| **4** | Parts of a Leaf  |   |  |
| **5** | Tree ID  |   |  |
| **6** | Orienteering  |   |  |
| **7** | Topographic Maps  |   |  |
| **8** | Tree Diameter & Height  |   |  |
| **9** | Harvest, Deaden, & Leave  |  |  |
| **10** | North American Forestry Regions, Hardwoods/Softwoods, Commercially Important Trees  |  |  |
| **11** | Tree Diseases, Disorders, & Pests  |  |  |
| **12** | Timber Stand Improvement/Forest Business Mgmt.  |  |  |
| **13** | Chainsaws-Parts, Troubleshooting, & Safety  |  |  |
| **14** | Dendrochronology  |  |  |
| **15** | Wildfires  |  |  |
| **16** | Forest Products: Christmas Trees  |  |  |
| **17** | Urban Forestry and Arboriculture  |  |  |
| **18** | Maple Production  |  |  |
| **19** | Wildlife Management  |  |  |
| **20**  | Hunting/ Fishing Rules and Regulations  |  |  |
| **21** | Regulations: Outdoor Recreational Safety |  |  |

**​​OTHER CLASSROOM EXPECTATIONS ​**

**Cell Phones/Backpacks**

* As per school rules, there should be no cellphones/ personal devices besides school issued laptops used while in the classroom. (See the student handbook for policies and restrictions).
* Backpacks will be placed in the back of your chairs- this way they are easily accessible, but won’t present a tripping hazard

**\*This is the one and only warning.** If I see cell phones or any other personal device out when they should not be, you will be sent immediately to the principal’s office.

**Bathroom**

* Students must respectfully ask to use the bathroom during class.
* Students may be asked to wait until I finish providing instruction or am at a good stopping point before leaving for the bathroom.
* Only **ONE** boy and **ONE** girl will be allowed to use the bathroom at the same time.

**Food/Drink**

* Students are allowed to bring water bottles to class as long as they have a closed top and cannot be spilled.
* No snacks will be allowed during class primarily for safety as students work with equipment, paint, finishes, etc.

\*If water bottles become a problem in class such that it hinders positive learning for other students, I reserve the right to take away the privilege of bringing water bottles to class. If this privilege is severely abused, further disciplinary action may be implemented.

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**To the parents/guardians of Miss. Haggerty’s students:**

It is an honor and privilege to have your student in class, and a responsibility I do not take lightly. The guidelines outlined above are in my best effort to create an environment that is safe, fair, and clear to all. Once you have had a chance to review this syllabus with your student, **please sign the last page and have your student return it to class during the first week of school**. If there are any questions regarding these policies, or other concerns you or your student may have, please feel free to contact me by email at **shaggerty@fillmorecsd.org** or by phone at **585-567-2251 ext. 5136**.

Best Regards,

*Sara Haggerty*

**SYLLABUS**

**Parent Contact / Signature Form**

To be filled out by parent/guardian:

Parent/Guardian Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone Number (Circle one: Home or cell): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Best time to contact you: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Parent) Are there any areas of technology, agriculture, natural resources or industry that you are particularly proficient or skilled in?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I have read and understand course procedures and grading policies for the listed below. I/we will agree as parents/guardians to do my /our part in helping our student do the best they can in being successful in this course during the year. I /we will contact Miss. Haggerty with concerns or questions throughout.

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Course Name

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*Parent/Guardian Signature* Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Name

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*Student Signature*