



## SKILLS AND SAFETY FOR NATURAL RESOURCE CAREERS 2024

### Teacher Contact Information

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**Welcome! I am so excited about our class this year.** Sharing knowledge about Natural Resources and Forestry is rewarding to me. I grew up in Nevada County and have been blessed to teach at Nevada Union since 2002. I live in Nevada City, but have a ranch on the San Juan Ridge and Lassen County. We raise cattle, goats, chickens, pigs and dogs. My family spends our time in the woods; we camp, hunt, fish, hike- but my favorite activity is quad/snowmobile riding. I look forward to getting to know each of you as the semester progresses! GO MINERS!

### Course Description

This course focuses on building the skills required for a career in different Natural Resource Management Careers. Throughout the course, students will gain experience through leadership development, Supervised Agriculture Experience (SAE) projects and career exploration in the area of agriculture and natural resources.

### Essential Learning Outcomes (ELOs)

At the end of this course, students can :

- Students can identify one Natural Resource Career and explain one training pathway to get there.
- Students can identify five government agencies and five private businesses that are natural resource based.
- Students can identify five behaviors that are common among responsible employees and five behaviors that are common among irresponsible employees.
- Students can plan for nutrition needs for daily work in NR.
- Students identify hydration needs for different NR work Scenarios
- Students can select proper clothing for daily work in NR
- Students can select clothing for extreme days in NR
- OSHA PPE Requirements for a selected Career
- Students will know basic first aid.
- Students will know how to use an AED and properly administer CPR.
- Students can communicate effectively during an emergency.
- Students can assemble an effective first aid kit.
- Students demonstrate an understanding of weather forecasting and weather related terminology.
- Students understand the biological response to exposure to extreme weather conditions.
- Students can identify methods of prevention of emergency exposure situations.
- Students know how to respond to an extreme exposure and give first aid.
- Students understand a topographic map.
- Students understand GIS mapping and can use GPS devices.
- Route replanning activity.
- Students know how to install snow chains.
- Students can predict cell coverage based on coverage maps.
- Students can communicate professionally on a radio.
- Students know about other communication ie- flag signals, morse code etc
- Students can assess a situation and react in a manner that de-escalates and addresses safety concerns and disgruntled public.
- Students can assess a situation and react in a manner that de-escalates and addresses safety concerns related to animals.
- Students can identify the components of the fire triangle and how to reduce risk using the fire triangle.
- Students understand basic fire behavior.
- Students know how to use a fire extinguisher.
- Students can demonstrate proper mechanical fire extinguishing procedures.
- Students can select proper PPE for fire risk situations.
- Students can find and prepare food, water and shelter.
- Students can outline a leave no trace plan of best practices for work in a wilderness area.
- Students can haul a load without wheels.
- Students can pack and carry a weighted backpack.

## Participation/ Classroom Expectations

Success in the forestry pathway relies on active participation from students. Students are also expected to respond to daily warm up questions during their assigned class period. Students will be expected to be present and engaged in all lessons. We will follow the school's device policy with all phones kept away during class time (bell to bell) and students need to take care of outside needs on their passing time. Students will have a limited number of opportunities to use a hall pass and will be required to do make up time if they go over (barring a doctor's excuse).

### Grading Policy:

**ASSESSMENTS (TESTS/QUIZZES/FINALS) 50%**  
**ASSIGNMENTS/PROJECTS/JOB SHADOW 40%**  
**FFA/SAE AND PARTICIPATION 10%**

### Category Descriptions:

**Assignments/Projects/Job Shadow-** Classwork and research projects. Students are also expected to arrange and complete a job shadow of a natural resource professional.

**Assessments-** This category will include skill demonstration and quizzes/tests that demonstrate content mastery.

**Participation-** This portion of your grade will be based on your participation and engagement in classes, discussion threads and other collaborative assignments and events such as group discussion, being prepared for presentations as well as completion of the warm up assignments.

**FFA Activities-** The FFA is an integral part of every agricultural class. FFA Participation will count for 10% of your class grade. There is a requirement of 3 FFA Activities and one community service per semester. Activities could look different during distance learning but will include events such as monthly FFA meetings/activities (virtual and/or in person), participating in fundraisers, community service opportunities and leadership development events. An SAE project and all related record keeping will be required during the second semester of all agriculture courses.

### Integrity:

School Board policy BP 5131.9 states "The Board of Trustees believes that academic honesty and personal integrity are fundamental components of a student's education and character development. The Board expects that students will not cheat, lie, plagiarize or commit other acts of academic dishonesty." Plagiarism is defined as an act of copying the ideas or words of another person without giving credit to that person. Turning in any work that is not your original work can be punishable with a referral and a zero on the assignment. I expect every student to complete his or her own assignments. If a student copies the work of another student both students will receive a zero. If a student turns in work written by anyone else but himself or herself they will receive a zero and a referral.

**Cheating WILL NOT BE TOLERATED.** Any student found cheating will be given a zero for the assignment and will be issued a referral.

## Student Absences/ Late Work

All work can be found on Schoology. There will be weekly updates, links to videos, websites, and resources as well as a list of assignments. Schoology will be the place where you will be able to find everything that we are doing in class. It is your responsibility to complete any and all work that was assigned during your absence. Students are expected to keep up with deadlines. Late work is accepted up to two weeks after the due date with a penalty as long as it does not become a habitual problem. Work will not be accepted after the end of a grading period (barring extreme circumstances).

Phones will be put in the phone pockets during class and violations will follow the school's device policy.

Student Signature and Date \_\_\_\_\_

Parent/Guardian Signature and Date \_\_\_\_\_