



Natural Resources Syllabus

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Course Description:

The students who enroll in the Natural Resources Program like to be outdoors. It is our job to show our students the many careers that are outdoor related. For those students who have identified areas of high interest we help chart a path into those careers.

The main areas of study are: Safety; Forestry; Aquatics; Soils; Agriculture/Horticulture.

Classroom Expectations and Goals:

Respect - Students are expected to be respectful of others and the shared right to learn.

Engage - Students are expected to actively participate in their learning.

Safety - Students are expected to understand that safety is no accident.

The goal of the class - To motivate students to identify careers that interest them.

Units of Study:

Level 1

- Safety Unit
- Chainsaw & Tool Unit
- Heavy Machinery Safety (Tractor Safety)
- Soil Unit
- Aquatics/Watershed Unit
- Agro Forestry Unit - Apples and Maple Sugaring
- Wildlife Unit
- Forestry Unit
- Employability Portfolio (Resume & Code of Ethics)

Level 2

- Soils Unit
- Heavy Machinery Safety (Tractor Safety)
- Work Projects
- Forestry Unit
- Wildlife Project
- Aquatics Unit
- Horticulture/Greenhouse Ag Unit

Competitions

- Land Judging - October
- Farm Show, Tree ID, Poster Competition - February
- Envirothon - May

Articulation Agreements:

- Paul Smith's College
- University of Maine - Fort Kent
- SUNY Cobleskill

Embedded Credit: Science

Grading Categories and Weights:

Technical Skill	25%
Communication	25%
Leadership & Teamwork	25%
Problem Solving & Critical Thinking	25%
Total	<u>100%</u>

Assignment Policy:

- Assignments are due by the end of the week (Friday)
- Assignments will be accepted for one week with a deduction for being submitted late.
- Extensions will be given as seen fit by Instructor.

Concurrent Enrollments Offered:

- Burls to Boards, Vermont Technical College, 3 credits

Common Standards Assessed in Every Program:

Communication: ESS02.01 Select and employ appropriate reading and communication strategies to learn and use technical concepts and vocabulary in practice.

Leadership and Teamwork: ESS07.03 Employ teamwork skills to achieve collective goals and use team members' talents effectively.

Technical Skill: ESS10.01 Employ information management techniques and strategies in the workplace to assist in decision-making.

Problem Solving/Critical Thinking: ESS03.01 Employ critical thinking skills independently and in teams to solve problems and make decisions (e.g., analyze, synthesize and evaluate).

Industry Recognized Credentials:

- Game of Logging Levels I & II (Northeast Woodland Training Inc.)
- Tractor Safety
- CPR/AED and First Aid
- WorkKeys National Career Readiness Certification (NCRC)

Standards Unique to Natural Resources:

- Technical skill related to equipment and chainsaw operation and safety
- Employability skills that focus on job-specific math skills
- Safety, health and environment skills that focus on Natural History and change
- Problem solving/critical thinking skills that focus on human impacts upon the Earth