

College High School Partnership (CHSP)

Articulated College Credit Agreement

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Articulated College Credit Agreement:

Through Articulated College Credit (ACC), specific college curriculum learning outcomes and assessments are embedded in participating high school career and technical education (CTE) programs as specified in this agreement. Relevant knowledge, skills, and standards are taught by qualified CTE high school instructor(s) in one or more high school course. ACC is awarded if the student meets the college equivalency standards and later enrolls in the college(s) listed below requiring the course in a specific program.

Agreement Name: Introduction to Natural Resources
Agreement Reviewed/Updated: 2022-23

These credits are valid for students that complete the class in grades 10-12 for up to two years after high school graduation.

| Colleges | College Courses | College Programs | Articulated College Credit |
|-----------------------|-----------------|--|---|
| Central Lakes College | NATR 1200 | *Natural Resources Technology (A.A.S.- 63 cr.) *Natural Resource Law Enforcement (A.A.S – 72 cr.) *Natural Resources Conservation Program (Cert.- 9 cr.) | 3 credits of 3 total credits (45 hrs. - 15 hrs./lecture per credit) |

Course Description:

Students will develop a holistic awareness of our Natural Resources. The course includes information in Forestry, Fisheries, Wildlife, Parks and Recreation, as well as Soils and Water. Ideas and attitudes that revolve around Conservation and Preservation and their historical background are discussed. Each area of resource concern is followed up with a career in that particular field often with guest speakers that work in areas of study. (Prerequisites: None)

Curriculum Learning Outcomes:

80% of the curriculum learning outcomes will be covered in the high school course(s) by qualified CTE high school instructor(s).

To complete these requirements, students will be able to:

- Compare and contrast different Natural Resources.
- Compare and contrast Conservation & Preservation.
- Assess the ecological relationships between and among Natural Resources.
- Develop a discussion from Aldo Leopold's *A Sand County Almanac* – and *Land Ethic* and describe important relationships he was trying to develop.
- Describe the importance of our basic resource of Soil.
- Compare and contrast different kinds of soil erosion.
- Assess different Rangeland Management practices and identify management strategies.
- Classify wetlands and describe the various management concerns
- discuss the overall need for Land Use Planning and describe how it is used to manage our cities and resources
- Describe the characteristics Water and the Water Cycle and important conservation practices.
- Compare and contrast Forests, Forestry and the various management issues.
- Appraise and discuss issues related to Fish and Wildlife in America and some of their management strategies.
- Examine Marine Fisheries issues and concerns in our oceans.
- Examine issues and concerns within Fresh Water Fisheries and some of the management strategies.
- Examine Parks and Recreation concerns and issues and the importance that our local, state and national parks plays in America.

REFERENCE Texts:

- Aldo Leopold, "Sand County Almanac and Sketches Here and There", Oxford University Press, 1949

Course Assessments:

A grade of **"B" or better (or score of 80% or better)** is required to qualify for Articulated College Credit.