

WINNISQUAM CTE CENTER

727 ANIMAL AND PLANT SCIENCE I - Grades 10-12

2 credits

In this first year of a two-year sequence, students will become proficient in competencies related to animal anatomy & physiology, behavior and nutrition. In the area of plant science, competency will include plant production and harvesting, nutrition, categorization and anatomy. Applications of these concepts will be carried out in the school greenhouse and through local partnerships at farms, gardens and animal shelters. Leadership development and entrepreneurial skills will be cultivated through skill application as well as out of class projects.

727A ANIMAL AND PLANT SCIENCE II - Grades 11-12

2 credits

Prerequisite: Animal and Plant Science I. This year requires of students more independence through directing their own learning, using time productively and solving problems encountered through project based learning in the community. Students will be able to master their competencies and focus on specific areas that interest them and motivate their learning.

728 NATURAL RESOURCES I - Grades 10-12

2 credits

This course focuses on the growing natural resources field with a diverse range of educational and work opportunities. It will introduce students to outdoor related careers which manage, improve and protect the country's natural resources. Units may include, but are not limited to: ecology, biodiversity, greenhouse/crop production, human and wildlife populations, soil science, maple sugaring, care and maintenance of equipment, tree and plant identification, energy sources, electrical systems, basic forestry and wildlife management, water quality, aquatic, terrestrial, and atmospheric pollution, green technologies, sustainability, GIS, and business. This course will provide students with the proper vocabulary, understanding, technical knowledge, and physical skills necessary for natural resource careers. Students will also receive First-Aid, CPR, AED, & Northeast Woodland Training. All students will be expected to be involved in extensive laboratory exercises under weather and work conditions typical to the forestry industry.

728A NATURAL RESOURCES II - Full Year Course - Grades 11-12

2 credits

Prerequisite: Natural Resources I. This course is designed to give the student an in-depth study of the field of Natural Resources Management. The main emphasis of the class is to expand upon the skills and competencies learned in Natural Resources I by allowing students to take ownership of their learning through project-based learning, participation in State and Regional FFA activities, and completing Industry Recognized Credential (IRC) training such as the Ducks Unlimited Ecology Conservation & Management Certification.