



Bridges Career Academy Natural Resources

Crosby-Ironton High School

Introduction to careers in natural resources. Learn about water, soil, wildlife, and fisheries from a natural resources and conservation perspective. Learn survey techniques, identify animals, and evaluate habitats. Measure trees, complete health assessments for ecosystems, soil and aquatic testing and create management plans for forestry and wildlife.

Academic Courses

- Natural Resources
- Biology

Career Experiences

- Listen to industry speakers
- Attend the Bridges Career Exploration Day or other regional career fairs
- Tour local businesses

Completion Standards

COMPLETE

All courses



Earn a **certificate** and **green cord** at graduation



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Job Skills

In addition to having technical skills, employers expect workers in this industry to have these skills:

- Written communication skills
- Journal or document lab findings
- Ability to work with other professionals
- Ability to manage materials and supplies
- Problem solving skills
- Decision making skills



www.BridgesConnection.org/CrosbyIronton

Supported in part by Sourcewell (formerly NJPA)

Natural Resources Career Academy

Crosby-Ironton High School

The Natural Resources Academy provides students with an introduction to the careers in the areas of natural resources. Students will learn about water, soil, wildlife, and fisheries from a natural resources and conservation perspective. Learning survey techniques, identifying animals, and evaluating habitats are just a few of the highlights for this Academy. Students will work with experience hands-on projects which include measuring trees, completing health assessments for ecosystems, soil and aquatic testing and creating management plans for forestry and wildlife. The Academy is designed for students interested in environmental studies and a hands-on career.

ACADEMY COURSES

Natural Resources — 1 High School Credit

Outdoor Science is a project based course designed to provide students with an investigative look into the animal kingdom and environmental systems. Students will explore the origin and relationships, classification, anatomy, functions, social behavior and reproduction of a wide variety of species. Topics include entomology, ichthyology and mammalogy. Students will explore forestry, soil and aquatic systems and projects related to these systems.

Biology — 1 High School Credit

This course will provide students with an overview of current knowledge in the Biological Fields. Basic laboratory skills and technological applications will be taught and emphasized. A summary of current news report about Biology and multiple lab reports are part of the course. Topics covered will include scientific problem-solving, heredity and genetics, nature of science and engineering, cell biology, ecology, evolution, human interactions with natural systems, human health and disease.

COMPLETION STANDARD

Students wishing to receive a certification must complete all courses and earn a minimum of a 'C' or better grade.

CAREER EXPERIENCES

Students will explore and research careers with industry speakers, and attend the Bridges' Career Exploration Day event and other regional career fairs. Students may tour business and organizations that specialize in the natural environment.

JOB SKILLS

In addition to having technical skills, employers expect their workers to have other skills such as:

- Written communication skills
- Journal or document lab findings
- Ability to work with other professionals
- Ability to manage materials and supplies
- Problem solving skills
- Decision making skills

CAREER OPTIONS: www.careerwise.minnstate.edu/careers

JOB OUTLOOK: www.careerwise.minnstate.edu/jobs

POSTSECONDARY PROGRAMS: www.careerwise.minnstate.edu/education



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