

Agriculture & Natural Resources

Preparing students for careers in the agriculture & natural resource industries

Not Just Ag Anymore

Many of the high school agriculture courses taught statewide are also eligible for high school science credit. Some are also eligible for college credit. That's a 'two for one' in time, resources, and money -- for students, parents, and school districts.

Below are Agricultural & Natural Resource courses that are 'two for ones' -- blue for college credit, green for high school science and college credit.

Introduction to Agricultural Education

Introduction to Agricultural Mechanics

- Agricultural Welding
- Small Gasoline Engines
- Agricultural Power Technology Agricultural Fabrication
- Applied Livestock Management
- Applied Crop Management Landscape Design
- Greenhouse and Nursery Management
- Floral Design and Marketing
- Personal Skill Development Agricultural Sales
- Agricultural Business and Economics
- Botany/Plant and Soil Science
- Botany/Horticulture Plant Science
- Botany/Forestry Science
- Botany/Range Science
- Botany/Natural Resource Science
- Zoology/Animal Science
- Zoology/Science of Animal Nutrition
- Zoology/Science of Animal
- Reproduction
- Zoology/Fish and Wildlife Science
- Equine Science

Agricultural Experience Program Essential

The Supervised Agricultural Experience (SAE) program is an integral and necessary component of the total agricultural education program. In SAE, students apply concepts learned in the classroom and laboratory to real life situations. Students in SAE discover abilities and interests, and learn valuable entrepreneurial and employment skills. Supervised year-round by an agricultural education teacher, SAE requires the students to invest personal time, energy and/or money in the program.

Student Leadership Development

The FFA is an integral and necessary component of the total Agricultural and Natural Resources program. Students learn and develop valuable life and career skills by participating in FFA activities, programs, and career development events. The FFA is dedicated to making a positive difference in the lives of young people by developing their potential for premier leadership, personal growth, and career success through agricultural education.

How Does FFA Stack Up?

In a 1999 national survey of American teenagers conducted by the Horatio Alger Association, agricultural education students who are also FFA members possess attitudes and exhibit behaviors indicating they benefit more from their personal, academic, and career experiences during school than the general student population:

1. FFA members are more enthusiastic about and attach graded value to their school studies than the average student.
2. FFA members are more likely than the average student to relate personal effort to success and believe that it is important to do their best.
3. FFA members are preparing for post-secondary studies in slightly higher numbers and have more sharply defined career objectives than the average student.

To learn more about Agriculture Science & Technology programs in your area, contact Allison Touchstone, Program Manager, Agriculture & Natural Resources: 208-334-3216 or atouchstone@pte.idaho.gov

Mission

The mission of Agricultural Education is to prepare and support individuals for careers; and to build awareness and develop leadership for food, fiber, and natural resource systems. The mission is accomplished through technical instruction in the classroom, experiential education through the laboratory and Supervised Agricultural Experience (SAE) Program, and leadership and personal development through the FFA

Pathways to Career Opportunities

The Agriculture and Natural Resources program in Idaho has 7 programs of study based on the 7 pathways in the following Career Cluster:

Agribusiness Systems Pathway

Animal Systems Pathway

Environmental Service Systems Pathway

Food Products & Processing Systems Pathway

Natural Resource Systems Pathway

Plant Systems Pathway

Power, Structural & Technical Systems Pathway

Job Market for ANR include but not limited to the following fields:

Secondary & Post Secondary Instructors;

Operations Managers; Frontline Supervisors; Sales Representatives and Service; Computer Support & Analysts; Farmers & Ranchers;

Veterinarian.

Kuna FFA Wins National FBM Title

The Kuna FFA Farm Business Management Team took first place last week at the National FFA Convention in Indianapolis. Team members are Alison Whale, Casey Zufelt, Sam Emmert and Rachael Ashley and coached by Kuna High ag teacher Joe Blackstock. Each of the students receives a \$1,000 scholarship, courtesy of their sponsor, John Deere. As their coach, Blackstock was named a Farm Business Fellow and receives a \$1,500 fellowship grant. In addition, Casey Zufelt took third place individually in the nation, earning her another \$750 scholarship.

This is only the third time the Kuna FFA Chapter has brought home a national award, dating back to 1949.

Did You Know?

- ▶ There are 10,376 students enrolled in Agriculture and Natural Resource (ANR) classes in 97 Idaho public schools
- ▶ Of the 115 Agriculture and Natural Resource instructors in Idaho, 66% also have a science endorsement on their teacher certificate
- ▶ Agricultural Mechanics comprises 45% of the A&NR courses taught in Idaho
- ▶ There are 4,018 FFA members in 85 Idaho FFA chapters
- ▶ Idaho FFA membership is 60% Female and 40% Male
- ▶ There was \$15,200 in college scholarships given to Idaho FFA members in 2008
- ▶ Nationwide, there are 507,763 FFA members in 7,439 chapters

Ag Education Improves Science Scores

The Iowa FFA looked at science test scores for the 2005 Junior class in Iowa and compared growth in achievement from 8th to 11th grade. The results show FFA members increased test scores 9.2% compared to a 1.7% increase for all students.