

Principles of Agriculture, Food, and Natural Resources (PAFNR) Syllabus

Instructor Information

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Description

Principles of Agriculture, Food, and Natural Resources will allow students to develop knowledge and skills regarding career and educational opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for careers in agriculture, food, and natural resources, students must attain academic skills and knowledge in agriculture. To prepare for success, students need opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings.

Students taking PAFNR at JHS will have the opportunity to work with live animals during class. Students with allergies to animals are encouraged to speak with their counselor about the many excellent career and technical education programs which JHS offers that do not require interaction with live animals. Students taking Principles of Ag, Food, and Natural Resources are required to bring back a signed copy of the Moe & Gene Johnson High School Agriculture Department Permission Form: Handling & Working Companion / Livestock Animals by Wednesday, September 4, 2019 in order to stay enrolled in the course.

Expectations and Goals

- The student demonstrates professional standards/employability skills as required by business and industry.
- The student develops a supervised agriculture experience program.
- The student analyzes concepts related to global diversity.
- The student explains the historical, current, and future significance of the agriculture, food, and natural resources industry.
- The student analyzes the structure of agriculture, food, and natural resources leadership in organizations.
- The student demonstrates appropriate personal and communication skills.
- The student applies appropriate research methods to agriculture, food, and natural resources topics.
- The student applies problem-solving, mathematical, and organizational skills in order to maintain financial and logistical records.
- The student uses information technology tools to access, manage, integrate, and create information related to agriculture, food, and natural resources.
- The student develops technical knowledge and skills related to soil systems.

- The student develops technical knowledge and skills related to plant systems.
- The student develops technical knowledge and skills related to animal systems.
- The student describes the principles of food products and processing systems.
- The student safely performs basic power, structural, and technical system skills in agricultural applications.
- The student explains the relationship between agriculture, food, and natural resources and the environment.

Cell Phone / Electronics Policy

Cell phone / electronics use policy will follow HaysCISD district guidelines for high school use.

Grading Policy

This course is geared toward developing student understanding of the complex interactions between the human race and our environment. Students are required to complete a supervised agricultural experience (SAE) as part of the classwork for PAFNR. This supervised agricultural experience must fall into one of the following categories:

- Foundational SAE
 - Career exploration & planning
 - Personal financial planning and management
 - Workplace Safety
 - Employability skills for college and career readiness
 - Agricultural Literacy
- Immersion SAE
 - Entrepreneurship/Ownership
 - Placement/Internships
 - Research (Experimental, Analytical, Invention)
 - School Business Enterprises
 - Service Learning

Students will be required to maintain an electronic journal detailing their agriculture coursework and SAE. These journals will follow them through their agriculture education at JHS, and are used as documentation of agricultural experiences when applying for Greenhand, Chapter, Lone Star, and American degrees as part of the FFA.

Student major grades will include:

- Knowledge exams and quizzes
- Graded public speaking assignments
- Graded completed projects
- Job application and interview

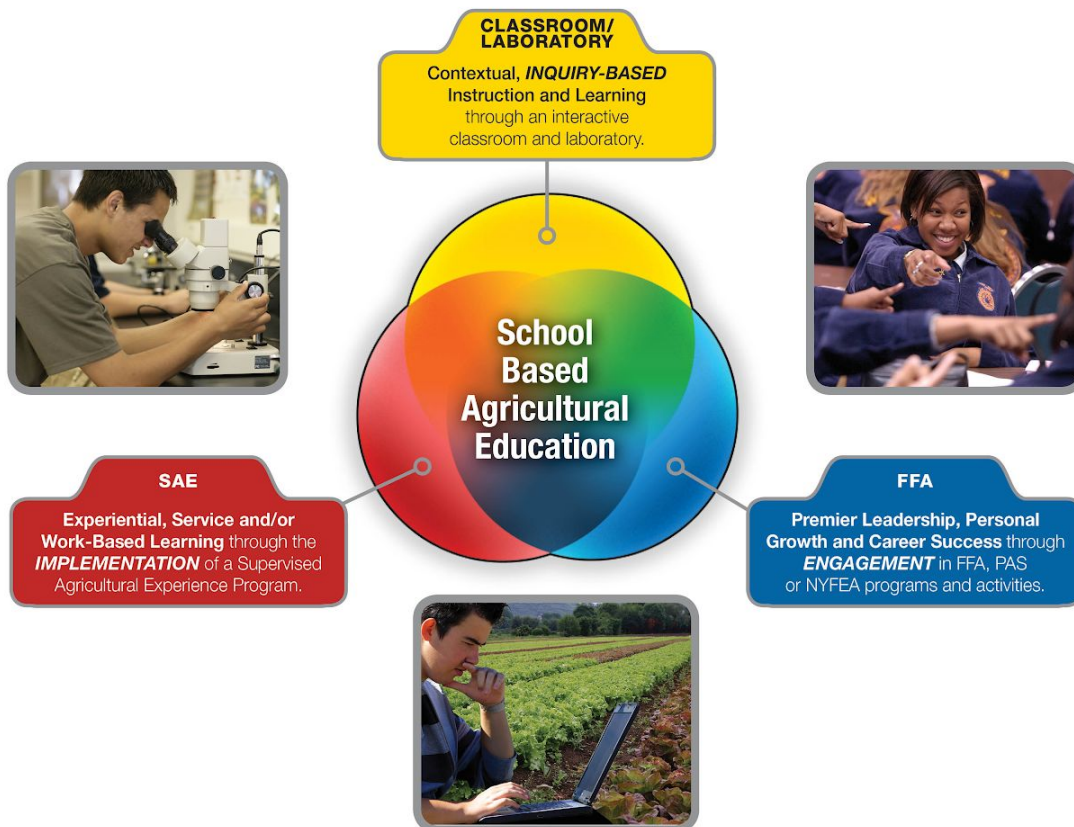
Students who join the FFA and successfully complete this course meet the requirements to earn their Greenhand Degree as part of the Johnson FFA, enabling them to run for chapter office during the following school year.

Career and Technical Student Organization (CTSO)

The FFA is a dynamic youth organization that changes lives and prepares members for premier leadership, personal growth and career success through agricultural education.

FFA develops members' potential and helps them discover their talent through hands-on experiences, which give members the tools to achieve real-world success.

Members are future chemists, veterinarians, government officials, entrepreneurs, bankers, international business leaders, teachers and premier professionals in many career fields. FFA is an intracurricular student organization for those interested in agriculture and leadership. It is one of the three components of agricultural education.



The official name of the organization is the National FFA Organization. The letters “FFA” stand for Future Farmers of America. These letters are a part of our history and our heritage that will never change.

ONLY students who join the FFA are eligible to compete in Leadership and Career Development Events, welding contests, and after school activities.

Students who participate in the FFA may be eligible to earn letterman jackets, NTHS membership, scholarships, and chapter offices.