Welcome to a Great School Year in Agriscience!

Springport Agriscience Classes:

- Biology-Botany
- Biology-Zoology
- Genetics & Ag Research
- Ag Finance & Leadership
- Mech/Tech
- Ag Internship

Teachers:

- Mr. Henne
- Mrs. Merrill

What Makes Agriscience Different From Other Classes?

This program will be different from classes you have taken in the past because you will learn in a hands-on integrated manner and it is a Career and Technical Education course.

You will complete in-depth projects that will allow you to work individually and as a team member. This will require commitment and will take some time beyond a normal school day. You may come to the barn to check livestock or greenhouse to water plants outside of school time. This Agriscience program will be challenging as well as rewarding.

If you are curious, and not afraid to put forth some effort, hold on because this program can change your life!

Teacher Responsibility

I am a teacher by choice and not by chance. I am exited to have you in class and will treat you with respect at all times. You have the right to feel completely safe in this program all measures will be taken to ensure your safety and comfort. My greatest responsibility in this school is to you the student.

I expect a lot of students but will always try to be fair. I will encourage you to address me with any problems that you may encounter, whether in this program or outside it. If you feel you have been treated unfairly, my door is always open to you. Most of all I will strive to make the Agriscience program meaningful and a positive experience for you.

Student Responsibility

Webster’s Dictionary defines responsibility as “being able to fulfill one’s obligations.” By entering this program you will receive many benefits, and accept certain responsibilities.

You are expected to come to class everyday. There are few reasons for you to miss class. Your attendance is essential, and I believe everything we do in this class is important. I expect you to come to class prepared to learn. Minds are like doors; they only function when open. This program will be a positive atmosphere.

Think About This:

- Agriculture is Michigan’s 2nd Largest Industry
- Michigan agriculture is a $100 billion industry
- 1 in 4 jobs in or associated with agriculture
- Michigan agriculture employs nearly one quarter of all employed Michiganians (1 million people)
- Michigan agriculture is the 2nd most diverse in the nation, producing over 200 different commodities.
- One quarter of all the land in Michigan is cared for by Michigan farmers (10 million acres).

What will my classes be like?

This part of the program consists of the day-to-day activities including classroom instruction, laboratory activities and assignments.

Think of this as a traditional classroom part of the program. Units of instruction will be followed by examinations. Examinations may include: group and individual projects, labs, written reports and oral presentations.

You will also be graded on your ability to keep records of your FFA and SAE projects.

SAE (Supervised Agricultural Experience) Projects will be a part of each FFA members experience in the program.

We will use the AET (Agricultural Experience Tracker) as a way to record the things you do in the ag program.

http://www.theaet.com
Chapter #: MI0186
Login: FLastname
Password: FLastname (please change in your profile once you have logged in)
What Really is the FFA?

LEADERSHIP, FUN, and SCHOLARSHIP

FFA is an intracurricular part of the agriscience program; this is similar to a band program where students who take band are also in the marching band. This youth organization develops outstanding leadership, students have fun, and you can earn scholarships.

In order to be in the FFA, you need to be enrolled in an agriscience course. Once enrolled, you are automatically in FFA. Since the FFA chapter will pay dues on your behalf to the National FFA Organization and Michigan FFA Association, we expect you to attend all meetings, participate in fundraisers, and get the most out of your membership. If for some reason you cannot fit an agriscience course into your schedule, you may continue membership for that school year as long as you enroll the following year (these are national guidelines).

As your instructor, I will serve as your teacher and FFA advisor. I will utilize the FFA to help achieve the goals of this program, school and community.

You may serve on committees, run for office, receive awards, travel and compete at the chapter, district, regional, state and national level.

What Does FFA Do?

We Focus on GROWING LEADERS by having the following events:
- Career Night (Nov.)
- Banquet (May)
- Greenhand Initiation (Nov.)
- State & National Conventions (Ntl. In Oct., State In Mar.)
- Awesome Run
- Lamb Show Team (Spring/Summer)
- Program of Activities Camp (Summer)
- Springport Sheep Showcase (June)

We Focus on BUILDING COMMUNITY by doing the following:
- Adopt-a-Highway (Sept. & April)
- Honey Bee Pollinator Project
- Chicken Processing & Dinner Service Project
- Spartan Sparkle (April)
- Contest Critique Nights (Feb./Mar.)
- School-based SAE Enterprises
- Labor Auction (Mar.)
- Spring Plant Sale (May)
- Trail building
- Greenhouse produce donations to the Food Pantry

We Focus on STRENGTHENING AGRICULTURE by doing the following:
- Project R.E.D. (Mar.)
- 8th Grade Recruitment (Spring)
- Ewe Artificial Insemination Day (Aug.)
- Barn Dance
- Middle School FFA & YFA National FFA Week
- Ag Advocacy Efforts
- Ag-On-Wheels Million Dollar Challenge (Sept.)

How and When is FFA graded:

FFA is graded at each marking period using the FFA POINT SYSTEM which is created by FFA officers. The point system measures your involvement in the FFA by giving you points for activities you do. All of the points are decided by FFA members and adopted at a FFA meeting and all FFA activities are listed on the point system.

The FFA Point System will be 10% of your grade in an ag class each marking period.

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Adopt-a-Highway Clean-up on M-99
An SAE is a project that a student does OUTSIDE of class time that may relate to what you are studying or is something you are interested in. All FFA students should have an SAE.

Projects can be as simple or complex as you want them to be.

SAE’s have categories, which are:
- PLACEMENT (working for someone else)
- OWNERSHIP (working for yourself)
- RESEARCH (doing something related to an experiment)

All students will have one or more SAE’s in the course of the year with a wide range of possibilities for these projects.

Why have a SAE project?
- Learn by Doing
- Earn Money
- Win Scholarships & Awards

Examples of SAE Projects

LEADERSHIP:
- Community service & improvement
- Ag & nutrition education
- Ag communication & web

AG-BIOLOGY:
- Poultry Project
- Research Projects

BOTANY:
- Greenhouse
- Gardens
- Farm Stand

ZOOLOGY:
- Sheep
- Cattle
- Hogs
- Horses
- Vet Assistant....

LANDSCAPE:
- Community park upkeep

ECOLOGY:
- Aquaculture
- Wildlife management
- Forestry

AG FINANCE
- Run a business
- Cashier/Clerk

MECH/TECH:
- Engines
- Equipment Upkeep/Repair
- Welding
- Construction (Electrical, Plumbing, etc.)

AG INTERNESHIP:
- Barn/Shop Manager
- Working at an Ag-related Business

How and When is an SAE graded?

Your SAE project starts when you enter high school and continues throughout your experience. This will be graded based on a rubric because everyone will have a unique project. Your SAE grade will be worth

10%

of your grade in an ag. class each marking period.

The rubric is based upon the following criteria:
- Development of a career goals
- Amount of records entered in the AET online record keeping system
- Quality of the records entered
- Completion of the SAE plan in the AET system

Students can show livestock through the FFA at the Eaton County Fair.
### Food Products and Processing Systems
- Food Scientist
- Bacteriologist
- Food and Drug Inspector
- Toxicologist
- Biochemist
- Meat Cutter-Grader-Processor
- Food and Fiber Engineer
- Produce Buyer or Manager

### Plant Systems
- Plant Breeder and Geneticist
- Soil and Water Specialist
- Certified Crop Advisor
- Botanist
- Landscaper
- Education and Extension Specialist
- Golf Course Superintendent
- Greenhouse Manager
- Forest Geneticist

### Animal Systems
- Animal Geneticist
- Aquaculturalist
- Animal Nutritionist
- Animal Scientist
- Poultry Manager
- Embryo Technologist
- Veterinarian
- Feed Sales Representative
- Artificial Insemination Technician

### Power, Structural and Technical Systems
- Remote Sensing Specialist
- Global Positioning System Technician
- Electronics Systems Technician
- Agricultural Engineer
- Recycling Technician
- Equipment Parts Manager
- Machinist
- Communication Technician
- Welder

### Natural Resource Systems
- Wildlife Manager or Technician
- Water Monitoring Technician
- Park Manager or Technician
- Natural History Interpreter
- Fish and Game Officer
- Forest Worker or Logger
- Forest Manager or Technician
- Fisheries Manager or Technician
- Mining Engineer or Technician

### Environmental Service Systems
- Pollution Prevention and Control Manager
- Environmental Sampling Technician
- Health and Safety Sanitarian
- Hazardous Materials Handler
- Water Environment Manager
- Toxicologist
- Solid Waste Disposer/Recycler
- Environmental Compliance Assurance Manager
- Water Quality Manager

### Agribusiness Systems
- International Agri-Marketing Specialist
- Agricultural Loan Officer
- Agricultural Commodity Broker
- Farm/Ranch Manager
- Agricultural Economist
- Livestock Buyer/Seller
- Feed/Farm Supply Store Manager
- Agricultural Products Buyer
- Agricultural Salesperson

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Sample careers you can do in Agriscience and Natural Resources:

Do What You Say You Will Do, But More Importantly... Love What You Do!

Visit us online at: www.springportffa.com