The agriculture department offers a wide variety of opportunities for you to get involved. Career development, leadership development, fellowship, and scholarship are just a few of the possibilities awaiting you!!

Course Description: This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

Course Overview

<table>
<thead>
<tr>
<th>Dates</th>
<th>Unit</th>
<th>Selections/Text Pages/Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year Long</td>
<td>FFA/Leadership Skills</td>
<td>Communication, teamwork, collaboration</td>
</tr>
<tr>
<td>Year Long</td>
<td>Hands-on activities</td>
<td>Land lab, mechanics lab, greenhouse</td>
</tr>
<tr>
<td>1st 9 weeks</td>
<td>Agricultural Industry</td>
<td>Identification, Fl/US/Global</td>
</tr>
<tr>
<td></td>
<td>Agricultural History</td>
<td>Impact, role in US, where we are today</td>
</tr>
<tr>
<td></td>
<td>Safety/Technology</td>
<td>Equipment, testing, observation</td>
</tr>
<tr>
<td>2nd 9 weeks</td>
<td>Animal Science</td>
<td>Anatomy, breeds, uses</td>
</tr>
<tr>
<td></td>
<td>Animal Science</td>
<td>Research, welfare, business</td>
</tr>
<tr>
<td></td>
<td>Scientific Method</td>
<td>Science fair, experiments, projects</td>
</tr>
<tr>
<td>3rd 9 weeks</td>
<td>Food Science</td>
<td>Safety, chemistry, pathogens</td>
</tr>
<tr>
<td></td>
<td>Environmental Science</td>
<td>Soils, water, air, pollution, recycling</td>
</tr>
</tbody>
</table>
### Agricultural Issues
- Debate, research

<table>
<thead>
<tr>
<th>4th 9 weeks</th>
<th>Plant Science</th>
<th>Identification, parts, biological growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agribusiness</td>
<td>Entrepreneur, placement, sales</td>
<td></td>
</tr>
<tr>
<td>Career/Life Skills</td>
<td>Presentations, how to demonstrations</td>
<td></td>
</tr>
</tbody>
</table>

### Academic Goals

By the end of the course, you must demonstrate the ability to:

- Demonstrate leadership skills in Agricultural Education.
- Participate in hands-on activities through classroom instruction.
- Explain the role the Agriculture Industry played in the development of the United States and how important is it today.
- Demonstrate effective and safe use of the tools, equipment, and technology used in the Agriculture Industry.
- Explain and evaluate the relationship between science, technology and agriculture and its importance.
- Demonstrate the scientific method through agricultural science.
- Determine the relationship between the Agriculture Industry and our Environment.
- Evaluate the relationship between science, technology and animal science through the agricultural industries.
- Apply scientific principles to current Agriscience Issues.
- Explain the relationship of agriculture and food; from farm to table application.
- Explain the use science and technology in plant production and how it benefits our economy.
- Understand and evaluate common skills and qualities make people successful in careers and life.

### TEXTBOOKS/WORKBOOKS

1. Agriscience Fundamentals & Applications, 2015 ed. $125
3. Introductory Horticulture, 2001 ed. $65
4. Agricultural Mechanics, 2014 ed. $115
5. FFA Manual & Handbook $6.50

These textbooks are class sets and must be available for all classes during the day. They can be checked out through Mr. Peck at the end of the day to complete unfinished work. You may come after school or during lunch (if you have 1st lunch) to finish assignments when approved with Mr.
Peck. These are NEW textbooks! Destruction of any textbook will result in an obligation for a replacement textbook.

Virtual Resources

We will be utilizing curriculum through iCEV (www.icevonline.com) You will be provided a code to join your class instruction. Assignments will be completed directly in iCEV and submitted. Canvas will house instruction and project based formatives and summatives.

Grading Policy: Students and Parents are expected to keep abreast of their academic standing in all classes; utilizing the online grading system. The chart below represents how students will acquire grades based on the DeLand High School and VCS grading policy. Students should complete the formative work within each standard, in order to completely understand the material and be able to demonstrate/show proficiency on the summative assessment! If a student is absent for a scheduled summative presentation, a 10% late point policy will be given unless medical or family emergency.

60% of grade based on summative assessments (tests, projects, presentations, skills assessments, etc.)

40% of grade based on formative assessments (class work, home work, skills lab/practice, etc.)

0% of grade based on diagnostic assessments (not counted in overall grade calculation)

<table>
<thead>
<tr>
<th>Grade</th>
<th>% Range</th>
<th>Quality Points</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90 - 100%</td>
<td>4.0</td>
<td>Outstanding Progress/Mastery</td>
</tr>
<tr>
<td>B</td>
<td>80 - 89%</td>
<td>3.0</td>
<td>Above Average Progress/Mastery</td>
</tr>
<tr>
<td>C</td>
<td>70 - 79%</td>
<td>2.0</td>
<td>Proficiency</td>
</tr>
<tr>
<td>D</td>
<td>60 - 69%</td>
<td>1.0</td>
<td>Passing</td>
</tr>
<tr>
<td>F</td>
<td>0 - 59%</td>
<td>0</td>
<td>Failing</td>
</tr>
</tbody>
</table>

Submission and Make-Up Policies: Students are to adhere to all deadlines when submitting formative and summative work. Deadlines will be set in class for all formative and summative work.
Students not submitting work by a set deadline may be given an alternative assessment. Intervention time periods may be requested during lunch or after school. If a student scores lower on a re-assessment, the higher of the 2 grades will stand as the final grade.

**Honor Code:** In an effort to maintain academic integrity, students are responsible for completing, producing, or turning in their own work. Students found to be in violation of completing, producing, or turning in their own work may receive a discipline referral and be subject to any and all discipline action. Students who are members of special programs, academies, clubs/groups, or sports teams may receive additional consequences. Cheating is a Level 2 discipline infraction and will result in a referral. Students who are caught cheating will receive an “I” on the assessment/assignment and will be required to complete academic intervention before being allowed another attempt at demonstrating proficiency.

**Industry Certification:** This course does align with the AEST Agricultural Associate Industry Certification. Earning an industry certification not only helps students excel in careers and industry but also gives a Merit Distinction on your diploma. It is an expectation that all students will participate and take the industry exam. Review and study materials will be provided and discussed in class. More details will be shared later in the year.

**Classroom Expectations:**

1. All policies in the Student Handbook are to be followed.
2. Proper behavior is to be exhibited at all times.
3. Be on time and ready to work with the bell rings.
4. Bring all supplies needed to class daily (notebook, pencil/pen, paper, etc.).
5. Be polite and courteous to other classmates. Cursing has consequences.
6. Follow land lab and shop safety rules at all times.
7. Please put ALL electronic devices away (unless authorized by classroom teacher at designated times).
8. All materials must be clean before the bell rings and are dismissed from class.

**FEES**

A Twenty Five Dollar ($25.00) general fee is required to assist in the expense of the course work. (ex lab equipment and supplies, consumables ect.) Failure to pay the fee will
result in a student obligation. The general fee is due by September 30th. However, there is an exception to the fee.

**REQUIREMENTS**

It is required to keep a notebook for this class. It is suggested to also have a three-ringed hardback notebook. HOWEVER, Mr. Peck is not responsible for any notebook or work left in the classroom. All students should have a notebook for this course, but you may keep a larger folder with all of your courses.

Appropriate dress is important. Some assignments will require specific clothing. Please dress to correspond with the unit of instruction. (A spare change of clothes and shoes might be advisable for specific activities.) A small storage space is available in the Agriscience shop to store clothing as approved by Mr. Peck.

Be advised that agriculture is a hands-on learning experience program. Some activities are difficult to make up. Every effort should be made to attend class.

**OTHER PERTINENT INFORMATION**

This class is the first class in a three part series. Completion of these classes is the basis of the Florida Gold Seal Scholarship Program. In addition, students can meet CAPE Scholar scholarship requirements with Industry Certifications.

This class counts as an HONORS Science Credit. It does not substitute for required science classes but counts as an equally rigorous science (3rd credit).

The agriculture education program offers many opportunities for you to be involved. It is the ultimately the students responsibility to participate or show an interest in the activities you would like to participate in.

This course requires periodic trips or visits to the land lab (farm and greenhouse) as well as the agriscience mechanics shop. Students will be required to work with a variety of tools as well as working with animals.

Safety is the most important priority. Safety instructions will be taught prior to the use of equipment. If there is any reason why a student should not
use any equipment including any medical conditions, please inform the instructor immediately.

Remember, I understand that very few of you are interested in being FARMERS! Less than 2% of the American population is involved in PRODUCTION Agriculture. However, 100% of the population is involved in Agriculture consumption!
Please complete, sign, and return the following section to Mr. Peck

Print Student Name: ________________________________ Class period: ____________________________

I have read and understand all the requirements and expectations for this class.

__________________________________________  __________
Student signature                        Date

• I give permission for my child to watch any non-rated education video, G, PG or PG-13 movie that is relevant to the curriculum of this class.
• My student has permission to use the internet for school assignments
• I have read and understand the rules and requirements of Agriscience Foundations.

Parent (Legal Guardian) Name: _______________________________________

Parent (Legal Guardian) Signature: _______________________________________

Phone number where parent can be reached: _______________________________

Email of Parent or Legal Guardian: _______________________________________

FEES/FFA DUES

A Twenty dollar ($25.00) general class fee is required to assist in the expense of the course work. (ex lab equipment and supplies, consumables ect.) This will also cover the students FFA Dues. Failure to pay the fee will result in a student obligation. The general fee is due by September 30th. However, there is an exception to the fee.