**Agriscience Class Syllabus (keep this syllabus in your agriscience folder)**

1. **Identify the importance of agriculture**
2. Describe the environmental resources (soil, water, air) necessary for agriculture production.
3. Apply Best Management Practices that enhance the natural environment.
4. Identify conservation practices related to natural resources.

**II. Apply leadership and citizenship skills – the student will be able to:**

1. Identify and describe leadership characteristics.
2. Identify opportunities to apply acquired leadership skills.
3. Identify and demonstrate ways to be an active citizen.
4. Participate in community based learning activities.
5. Demonstrate the ability to work cooperatively.
6. Demonstrate good listening skills
7. **Apply scientific and technological principles to agriscience issues**
8. Employ scientific measurement skills.
9. Demonstrate safe and effective use of common laboratory equipment.
10. Interpret, analyze, and report data.
11. **Demonstrate the use of agriscience tools, equipment, and instruments**
12. Select and demonstrate proper use of agriscience tools, equipment, and instruments.
13. Service and maintain agriscience equipment, instruments, facilities, and supplies.
14. Produce finished products

**V. Practice agriscience safety skills and procedures**

1. Identify the common causes and prevention of accidents in agriscience operations.
2. Demonstrate proper safety precautions and use of personal protective equipment.

VI. **Describe the history of agriculture and its influence on the global economy**

1. Investigate the origin and history of agriculture and its relationship to science and technology.
2. Examine the role of the agricultural industry in the interaction of population, food, energy, and the environment.

VII. **Investigate and utilize basic scientific skills and principles in plant science**

1. Examine the processes of plant growth including photosynthesis and respiration.
2. Identify the nutrients required for plant growth from the periodic table and explain their functions.
3. Analyze information from a fertilizer label.
4. Propagate and grow plants
5. Investigate the impacts of various pests and propose solutions for their control.
6. Investigate the nature and properties of food, fiber, and by-products from plants.

Grading:

1. **Journal/classwork inside**: **(40%)**
* Record keeping, interpret, and analyze data collected in outdoor garden and nursery.
* In class notes also mandatory. Journal checks will be done periodically throughout the semester, they will be taken up at the time of a unit test and given back at the end of the test.  Notebooks should be kept in a very neat and organized format.
1. **Leadership and Citizen Skills/Performance (40%)**:
* Cooperative work, participation in all learning activities,
* Demonstrates being an active citizen, applies leadership skills.
1. **Quizzes, Tests, and other assessments (20%)**

**Rules**:

1. All students must wash their hands before and after class when working in outdoor environment.
2. All students will be responsible for certain cleanup duties during outdoor work in garden area.
3. When outside, you must stay within the gardening area only. You need permission to leave the area for any reason.
4. Cell phone use is not allowed in class or outside in gardens.
5. Speak and act with consideration for others- Teasing or any other unskillful and unfriendly behavior towards classmates will not be tolerated

**Consequences:**

     1st    Written or verbal Warning

     2nd   Conference with student or parent, note in planner. (behavior documentation).

     3rd    Detention before or after school or lunch (behavior documentation).

     4th    Office Referral (behavior documentation).

**Supplies:**

* Composition Notebook for journaling and record keeping
* Hat for outside
* Durable water bottle for outside
* Sunglasses
* Gardening gloves

**Donations**:

* For our compost system:
* Food scraps (see attached flyer)
* Yard waste (see attached flyer)