

# Agriculture Science 1

## I CAN Statements

### Term 1

1. I can recite the FFA Creed and explain its meaning.
2. I can identify 10 historical events in FFA history and explain the role of FFA in Agricultural Education.
3. I can identify 5 FFA opportunities that develop leadership, personal growth or careers success at the local, state or national levels.
4. I can explain the FFA emblem, motto, colors and mission.
5. I can differentiate the types of SAE's and plan to implement a personal SAE.
6. I can log entries in a record keeping system.

### Term 2

1. I can describe the role of different science disciplines to agriculture.
2. I can list and explain the steps of the scientific method.
3. I can implement the steps of the scientific method in conducting and experiment.
4. I can explain the role of research and development in agriculture.
5. I can explain the application of biotechnology and precision technologies in agriculture.
6. I can demonstrate math and safety skills in agriculture.

### Term 3

1. I can describe the basic structure and function of basic animal systems.
2. I can differentiate between uses and products of different livestock species.
3. I can identify the differences between different digestive systems of livestock.
4. I can explain the role of the food science industry and identify approved practices in food handling.
5. I can explain the types and uses of natural resources.

### Term 4

1. I can explain the structure and function of basic plant parts.
2. I can explain plant life-cycles and processes.
3. I can explain the role of genetics in agriculture and distinguish genotype and phenotype.
4. I can explain soil texture and structure.
5. I can differentiate between business structures.