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**Basic Agricultural Science &
 Technology**



**Cluster: Agriculture, Food and Natural Resources
 Pathway: Required for Agriculture Education Pathways**

Course Description: This course is designed as the foundational course for all Agriculture, Food & Natural Resources Pathways. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course is the prerequisite for all AFNR pathways and is intended for students in grades 8-10.

Course of Study:

Topic:	Standard:
Demonstrate employability skills required by business and industry.	AFNR-BAS-1
Relate the role of the FFA student organization in the students' personal development.	AFNR-BAS-2
Explore, develop, and implement the Supervised Agricultural Experience (SAE) program by researching careers in agriculture and agribusiness.	AFNR-BAS-3
Recognize how agriculture meets human needs today, in the past, and for the future.	AFNR-BAS-4
Determine and illustrate safety in the agriculture lab and agriculture worksites.	AFNR-BAS-5
Describe soil formation and management and assess its relevance to plant/animal production and natural resources management.	AFNR-BAS-6
Demonstrate knowledge of physics used in agriculture as it relates to work, power, simple machines, and both past and present machinery used in the agricultural industry.	AFNR-BAS-7
Identify the different areas of agriscience and relate the scientific classification system to organize and research the agriscience field.	AFNR-BAS-8
Define major components of the animal industry and outline the development of the resulting products, services, and careers.	AFNR-BAS-9
Demonstrate basic skills in natural resource management.	AFNR-BAS-10
Apply principles of science to food processing to provide a safe, wholesome and nutritious food supply.	AFNR-BAS-11
Apply principles of environmental science as it relates to agricultural production and sustainability.	AFNR-BAS-12
Explain and demonstrate basic plant science principles including plant health, growth and reproduction.	AFNR-BAS-13

In addition to content standards, students will be responsible for showing mastery of the Common Core literacy standards. These standards will be taught using reading and writing activities related to the content area. Reading materials may include novels, technical manuals, articles or other appropriate materials as determined by the instructor.

P.R.E.P Academy Grading Policy:

Daily Grades/In Class Assignments	25%
Tests	20%
Projects/Lab Work	30%
Benchmark (9weeks Final)	20%
Supervised Agriculture Experience Program.....	5%

Make Up Work:

Students are responsible for asking for make up work. All projects and test are to be made up within three days of returning to school. The teacher will not follow up on work missed.

Textbook:

Students will not be issued a textbook for this class, but one will be available for classroom use.

Delmar, Agriscience Fourth Edition

Classroom Rules/Conduct:

1. SIT in your assigned seat every day!
2. Place all food and drinks in your book-bag and do not bring them into the classroom.
3. Place all trash in the trash can, place all paper in the recycling boxes.
4. Please do not be talking while I'm giving instructions or teaching.
5. NO HORSEPLAYING!
6. There will absolutely be no tobacco products allowed in the shop or classroom at any time.
7. Do not sit on the desk tops.
8. Mr. Stone nor this department is liable for your personal property being stolen. Keep it with you, or better yet, don't bring it to school!
9. Cell phones should be out of sight and out of mind unless you have permission to use them for research or math calculations.
10. Don't get on the computers or sit on the stools unless permission has been granted for you to do so.

Computer Use:

Students will be required to access the Internet for some assignments and projects. Each student must have an Acceptable Use Policy (AUP) on file at the school. All policies in the AUP will be followed.

Students should only use the Internet when instructed for classroom purposes. Students who are caught downloading/streaming music, on inappropriate websites, attempting to bypass the server, or participating in other questionable activities will receive a referral and their computer privileges may be revoked.

Additional Information:

On lab days come prepared to work!!! We also strongly encourage every student to join FFA!

Please read the following statements, print your name, give your signature, and fill out the information below.

As the **student**, I have read the Basic Agriculture Science & Technology syllabus and understand the expectations and requirements of the course. I also agree to follow the rules in the classroom.

Student's Printed Name

Student's Signature

Date

As the **Parent/Guardian**, I have read the Basic Agriculture Science & Technology syllabus and understand the expectations and requirements of the course. I also expect my TCCHS student to follow the rules in the classroom.

Parent/Guardian Printed Name

Parent/Guardian Signature

Date

Phone Numbers: Please circle the phone number preferred.

Home: _____ Best time to call: _____

Work: _____ Best time to call: _____

Cell: _____ Best time to call: _____

E-mail address: _____