

# AGRICULTURE, FOOD, & NATURAL RESOURCES

## AG 1 – Animal Science

## AG 2 – Plant Science

## AG 3 – Agricultural Technology & Mechanical Systems

## AG 4 – Environmental & Natural Resources



**9TH GRADE**  
**Principles of Agriculture (1)**  
*Quality Counts Verification*

**10TH GRADE**  
**Small Animal Mgmt (0.5) & Equine Sci (0.5)**  
*Fear Free Vet, \*Equine Mgmt & Eval*  
**OR**  
**Livestock Production (1)**  
*TX BQA, \*Fundamentals of Animal Sci*

**11TH GRADE**  
**\*Vet Med Applications (1)**  
*\*Vet Med Appl Cert, \*Cert Vet Assist 1*  
**OR**  
**Livestock Production (1)**  
*TX BQA, \*Fundamentals of Animal Sci*

**12TH GRADE**  
**\*Advanced Animal Science K (1-sci)**  
**OR**  
**\*Practicum in Agriculture (2)**  
*Certified Vet Assistant 2*

**9TH GRADE**  
**Principles of Agriculture (1)**  
*Quality Counts Verification*

**10TH GRADE**  
**Greenhouse Operation & Production (1)**  
**OR**  
**Floral Design (1-fine arts)**  
*\*TSFA Knowledge Based Floral Cert.  
\*TSFA Level I Floral Certification*

**11TH GRADE**  
**\*Advanced Plant & Soil Science K (1-sci)**  
*\*BASF Plant Science Certification*  
**OR**  
**\*Advanced Floral Design (1)**  
*\*TSFA Level II Floral Certification*

**12TH GRADE**  
**\*Project-based Research Plant Science (1)**  
*\*Benz Principles of Floral Design*  
**OR**  
**\*Practicum in Agriculture (2)**

**9TH GRADE**  
**Principles of Agriculture (1)**  
*Quality Counts Verification*

**10TH GRADE**  
**Ag Mechanics (1)**  
*OSHA-10hr  
\*AWS D9.1 Sheet Metal Welding*

**11TH GRADE**  
**\*Ag Equipment (1)**  
*\*AWS D1.1 Structural Steer*

**12TH GRADE**  
**\*Project-based Ag Mechanics (1)**  
*OSHA 30-hr  
\*Additional AWS*  
**OR**  
**\*Practicum in Agriculture (2)**  
*\*Additional AWS*

**9TH GRADE**  
**Principles of Agriculture (1)**  
*Quality Counts Verification*

**10TH GRADE**  
**Wildlife, Fisheries & Ecology Mgmt (1)**  
*Hunter Safety  
Boater Safety  
Angler Safety*

**11TH GRADE**  
**\*Range Ecology Mgmt (1)**  
*\*NOCTI Natural Resources Systems*

**12TH GRADE**  
**\*Practicum in Agriculture (2)**

**POTENTIAL OCCUPATIONS**

**Certified Vet Assistant**  
\$15 per hour

**Animal Breeder**  
\$39,139

**Animal Scientist**  
\$57,533

**Zoologist**  
\$67,309

**Veterinarian**  
\$93,496

**POTENTIAL OCCUPATIONS**

**Soil & Plant Scientist**  
\$65,370

**Biological Technician**  
\$42,931

**Floral Designer**  
\$31,630

**Landscaping Supervisor**  
\$44,408

**POTENTIAL OCCUPATIONS**

**Small Engine Mechanic**  
\$32,406

**Welder**  
\$50,648

**Farm Equipment Mechanic**  
\$39,915

**Heavy Equipment Mechanic**  
\$47,299

**Agricultural Engineer**  
\$64,792

**POTENTIAL OCCUPATIONS**

**Environmental Sci & Protection Tech**  
\$40,268

**Environmental Scientists**  
\$77,896

**Environmental Engineer**  
\$86,757

**Zoologists & Wildlife Biologist**  
\$67,309

**Surveying & Mapping Technician**  
\$44,070