Agriculture, Foods, & Natural Resources

Account Development Information (Inside Front Cover)

Career Development 2
Career Portals
Career Preparation
Problems and Solutions

Comprehensive Agriculture 2-3
Employability Characteristics of a Successful Worker
Principles of Agriculture, Food, and Natural Resources
Mathematical Applications in AFNR

Agribusiness Systems 3-4
Professional Standards in Agribusiness
Agribusiness Management and Marketing

Power, Structural & Technical Systems 4-7
Agricultural Mechanics & Metal Technology
Agricultural Structures Technology
Agricultural Power Technology
Agricultural Power & Machinery - Practicum
Agricultural Mechanics - Practicum

Animal Systems 7-8
Livestock Production
Equine Science
Small Animal Management
Veterinary Medical Applications
Advanced Animal Science
Animal Production - Practicum

Plant Systems 8-10
Floral Design
Landscape Design and Management
Horticultural Science
Advanced Plant and Soil Science
Fruit, Nut & Vegetable Production
Horticulture - Practicum

Environmental & Natural Resources System 10-12
Energy & Natural Resources Technology
Advanced Energy & Natural Resource Technology
Wildlife, Fisheries, & Ecology Management
Range Ecology & Management
Forestry and Woodland Ecosystems
Agricultural Resources - Practicum
Aquaculture Production-Practicum

Food Products & Processing Systems 13-14
Food Technology
Food Processing – Practicum

CDE Resources & DVD’s for Dairy, Livestock & Poultry 14-15

Science, Technology, Engineering and Mathematics 16
Advanced Biotechnology

Teacher Resources 16
Ag Literacy
Miscellaneous References & Supplies

Supervised Agricultural Experience 16
Helpful Education Resources 18
Order Form (Last page)
Ordering Instructions (Inside back cover)
Agriculture, Foods, & Natural Resources Cluster

Career Portals

The goal of Career Portals is to create a culture of high expectations and continuous improvement that provides middle school students with a foundation for success in high school, future studies, and careers. Students explore college and career planning within specific career cluster(s), and research labor market information, learn job-seeking skills, and create documents required for employment. Districts have the flexibility of offering career exploration knowledge and skills in a variety of instructional arrangements. These materials are designed to provide information regarding careers within the AFNR cluster. Information related to career development, leadership skills, and SAE is included as well.

1274 Complete Set of Student Lessons for Career Portals for AFNR .................. 85.00
T1274 Complete Set of Teacher Materials for Career Portals for AFNR ............. 70.00

Career Preparation

These agribusiness courses are designed to provide training to students in specific emphasis areas. The student receives occupational and related training by alternating group and individual instruction in school with on-the-job work experiences at an approved agribusiness training station in the local community. Included are leadership, safety, career, and SAE skills.

Print Materials

0020 Career Preparation Handbook for Career & Technology Education
Teachers ......................... 25.00
12713 Career Preparation
Student Workbook .................. 40.00
T12713 Career Preparation
Teacher Materials .................... 75.00
RG12701300 Resource Guide & Curriculum Crosswalk for Career Preparation I for AFNR ......................... 25.00

Software and DVD Resources

CEV70575 Effective Reading Strategies
PowerPoint® ............................ 69.00
CEV70547 Introduction to Professional Communication PowerPoint® ............... 79.00
CEV70548 Introduction to Digital Communication PowerPoint® ...................... 79.00
CEV70549 Leadership Styles
PowerPoint® ............................ 79.00
CEV70575 Effective Reading Strategies
PowerPoint® ............................ 69.00
CEV70582 The Amendment’s
PowerPoint® ............................ 59.00
CEV70587 The Cultures of International Business PowerPoint® ...................... 79.00
CEV80209 Introduction to Career Clusters ............................................ 115.00
CEV80301 Managing Diversity ......................................................... 115.00
CEV80303 Conflict Management ......................................................... 115.00
CEV80304 Ethics in Business ................................................................. 115.00

Problems and Solutions

This technical course provides an opportunity for the student to apply multiple skills to plan and conduct research in agriculture, including applying scientific methods of investigation, data collection and data analysis. The student’s ability to utilize a variety of resources, technologies, reporting formats, interpersonal skills and communications will be demonstrated.

RG12715 Probst Solutions Resource Guide ................................. 25.00

Employability Characteristics of a Successful Worker

Print Materials

8000 Employability Characteristics of a Successful Worker ........................ 25.00

Teacher Materials

4902 Teacher’s Key for 8000 Student Materials ................................. 25.00
T8000 Topic Tests for 8000 ......................................................... 20.00
K8000 Teacher’s Key to Topic Tests for 8000 ........................................ 25.00

Supplemental Resources

H000 Selected Enhancement Activities (all courses) ................................. 10.80

Principles of Agriculture, Food & Natural Resources

This comprehensive course is designed to introduce beginning students in agricultural science to global agriculture. The course includes agricultural career development, leadership, communications, cultural diversity, industry description, research, plant and animal science concepts, mechanical systems, and supervised agricultural experience programs, careers, entrepreneurship, and leadership.

Print Materials

1302 Complete Set of Student Lessons for Principles of Agriculture, Food & Natural Resources .............................................. 155.00
T1302 Complete Set of Teacher Materials for Principles of Agriculture, Food & Natural Resources (Contains Employability Keys, Tests, & Test Keys) .............................................. 200.00

4-H TAS Set Take a Stand: Curriculum Set
This set of three 4-H curricula aims to teach strategies to children and teens to reduce bullying. Topics include conflict resolution, bullying, communication, etiquette, teamwork and cultural awareness. Activities & work sheets are also included. (Grades 3-5, 95-page instructor guide: Grades 6-8, 124-page instructor guide: Grades 9-12, 104-page instructor guide. Each book also includes a CD)
By: Cheryl Newberry, Kelli Lehman ....... 50.00

PAE.320 Keys to the Courthouse: Promoting County Government Awareness in Youth
This 4-H curriculum is designed for middle and high school students. The five lessons teach participants about the functions of elected county official in Texas, the primary services offered by county government, the justice process at the county level, elections and voting, and the financing of county government. Each lesson has appropriate activities to reinforce learning. Accompanying the curriculum is a large wall map showing the counties of Texas and a CD that contains the lessons, activities, and information videos. (168 pp. + Map & CD)
By: Toby Lepley, Richard O. Avery ...... 10.00
Math Applications in AFNR

Students must acquire technical knowledge in agriculture, food, and natural resources as well as apply mathematics skills. These knowledge and skills include applications of algebra, geometry, and data analysis in the context of agriculture, food, and natural resources. Students with opportunities to reinforce, apply, and transfer their knowledge and skills related to mathematics in a variety of contexts are more successful. Information related to career development, leadership skills, and SAE is included.

13010 Complete Set of Student Lessons for Mathematical Applications in AFNR ..... 75.00
T13010 Complete Set of Teacher Materials for Mathematical Applications in AFNR ..... 75.00
RG130001000 Resource Guide & Curriculum Crosswalk for Mathematical Applications in AFNR ............................................. 25.00
MTH000 Mathematics for Agriculture ISBN: 9780813431741 .... 123.40
MTH002 Mathematical Applications in Agriculture ISBN: 1111310661 .......... 140.95

Agribusiness Systems

Professional Standards in Agribusiness

This technical course is designed to develop agricultural leadership, citizenship, & cooperation. It includes lessons in personal development, employee/employer relations, & group and interpersonal communication skills.

Print Materials

1303 Complete Set of Student Lessons for Professional Standards in Agribusiness 63.00
T1303 Complete Set of Teacher Materials for Professional Standards in Agribusiness (Contains Employability Keys, Tests & Test Keys ............................................. 210.00

LDE References for Professional Standards in Agribusiness

4848 Leadership Development Events Tool Kit .................................................. 125.00
4850 Questions and Answers from Texas FFA Parliamentary Procedure Guide ............................................. 6.00
4th Edition .................................................. 6.00
4851 Key - Workbook of FFA Manual ..... 5.00
4852 Key - Workbook of Parliamentary Procedure Guide ................................. 6.00

4874 Materials for FFA Leadership Development Events-2005 .......................... 20.00
4875 Materials for FFA Leadership Development Events-2006 .......................... 20.00
4876 Materials for FFA Leadership Development Events - 2007 ....................... 20.00
4877 Materials for FFA Leadership Development Events 2008 .......................... 20.00
4878 Materials for FFA Leadership Development Events 2009 .......................... 20.00
8003 Workbook of the Official FFA Manual for Students of Agricultural Education .... 6.00
8004 Workbook of the Parliamentary Procedure Guide for FFA ...................... 6.00
8005 Classification & Summary of Motions Part A Wall Poster ......................... 6.00

Agribusiness Management & Marketing

This technical course provides an introduction to agribusiness management in the free enterprise system with an emphasis on management of production agriculture. Instruction includes a study of basic management concepts, government policy, economic principles, budgeting, accounting, finance, risk management, factors of production, and marketing.

Print Materials

1304 Complete Set of Student Lessons for Agribusiness Management & Marketing 65.00
T1304 Complete Set of Teacher Materials for Agribusiness Management & Marketing (Contains Employability Keys, Tests & Test Keys) ............................................. 100.00

CDE References

4773 FBM Farm and Ranch Business Management ............................................. 55.20
4777 Agricultural Sales Handbook .................................... 15.00
4778 Agricultural Sales Handbook Solutions to Questions ............................. 10.00
4781 Answer Key to the 1999 Texas FFA Farm Business Management CDE .......... 10.00
4782 Answer Key to the 2000 Texas FFA Farm Business Management CDE ........ 10.00
4783 Answer Key to the 2001 Texas FFA Farm Business Management CDE .......... 10.00

DVD References

9261NC WINDOWS 95 CD Parliamentary Procedure Interactive Workshop & Challenge Bowl (for loading on all computers in a school, classroom, laboratory) ........ 49.00
9262XC Parliamentary Procedure Guidelines ................................................. 115.00
9273NC Basics of Parliamentary Procedure PowerPoint® ......................... 25.00
9598D Fundamental Parliamentary Procedure ............................................. 95.00
9615D Keys to Effective Speaking ............................................. 79.00
9744D Farm Radio Broadcasting ............................................. 49.00
9745D Farm Skills Demonstration ............................................. 49.00
9746D Creed Speaking ............................................. 49.00
9917D Introduction to Parliamentary Procedure ........................................ 95.00
CEV70533 Communication Styles PowerPoint® ........................................ 79.00
CEV70541 Written Communication Practices PowerPoint® ........................ 79.00
CEV80201 Extemporaneous Speaking ............................................. 115.00
CEV80222 Parliamentary Procedure Guidelines ........................................ 115.00
CEV80231 Presentation Strategies & Tactics ............................................. 115.00
CEV80232 Public Speaking Basics ............................................. 125.00
Agricultural Mechanics & Metal Technologies

Agricultural Mechanics is an exploratory course that introduces students to agricultural mechanics with emphasis on basic theory and technical skill development. Lessons and skill areas include safety, tool identification, carpentry, electricity, plumbing, masonry, fencing, painting, and hot and cold metal skills. Agricultural Metal Fabrication Technology develops technical skills in metal fabrication and joining processes through classroom instruction and laboratory activities. AWS certification for entry-level welders is emphasized. This course is recommended for students in grades 9-12.
4532 - 10'x5' Aluminum Bolt Together (3,500 lb. capacity) ........................................... 34.99
4535 - 8'x4' Utility Trailer (2,000 - 3,500 lb. capacity) .................................................. 19.99
4536 - 10'x6' Utility Trailer (3,500 lb. capacity) ............................................................ 19.99
4537 - 12'x6' - Utility ATV/Landscape Trailer (3,500 or 5,200 lb. capacity) ................. 24.99
4538 - 14' Lowboy Trailer (7,000 lb. capacity) ............................................................... 24.99
4539 - 16' Lowboy Trailer (7,000 or 10,400 lb. capacity) .............................................. 24.99
4540 - 20'x6'6" Gooseneck Lowboy Trailer (12,000 lb. capacity) .................................. 29.99
4543 - 10'x6" Tilt Utility Trailer (3,500 lb. capacity) ....................................................... 19.99
4544 - 6'x4'2" Utility Trailer (2,000 lb. capacity) ............................................................. 19.99
4546 Agricultural Wiring Handbook .................................................................................. 25.00
4548 Farm Electrification Lesson Plans, Wiring and Safety .............................................. 10.00
4549 8'x5" Utility Trailer (2,000 to 3,500 lb. capacity) ...................................................... 19.99
4552 10'x6" Utility Trailer (3,500 lb. capacity) ................................................................. 19.99
4553 16'x8" Covered Cargo Trailer (10,400 or 7,000 lb. capacity) ................................. 39.99
4591 Trailer Plans ............................................................................................................. 10.00
4592 Gooseneck Trailer Plans .......................................................................................... 10.00
4595 Gooseneck Stock Trailer Plans .................................................................................. 3.00
4596 Project Plans, Book I ............................................................................................... 12.00
4611 Developing Shop Safety Skills Manual ..................................................................... 33.00
4621 Project Plans, Book II ............................................................................................. 12.00
4628 Set of 27 Safety Charts for School Shops ................................................................. 34.00

Software Resources
9218NC WINDOWS 95 CD Protective Eye Care (PowerPoint) ...................................... 60.00
9352XC WIN/MAC CD Safe Electrical Wiring Techniques (NFEC) .............................. 55.00
9356NC Windows 95 CD Performing Basic Skills in Construction - Tool Safety (PowerPoint) ................................................................. 40.00
9357NC Windows 95 CD Estimating Materials for Quality Concrete (PowerPoint) ........ 40.00
9358NC Windows 95 CD Identifying, Cutting, Filing, Shaping, & Drilling Metal (PowerPoint) ......................................................................................... 53.00
9359NC Windows 95 CD Electrical Wiring (PowerPoint) .............................................. 53.00
9360NC Windows 95 CD Installing & Maintaining Pipe, Plumbing Fixtures, & Water Systems (PowerPoint) ............................................................... 53.00
9361NC Window 89 CD Tool & Equipment ID Identification Powerpoint .................... 66.00

DVD Resources
9150D Floors & Ceilings .............................................. 19.95
9151D Wall Treatments ........................................... 19.95
9152D Plumbing & Electrical ................................ 19.95
9153D Kitchen Remodeling .................................... 19.95
9154D Basic Home Repair ....................................... 19.95
9155D Exterior Projects ........................................... 19.95
9156D Basic Home Remodeling .............................. 19.95
9157D Woodworking Vol. I ...................................... 19.95
9158D Woodworking Vol. II .................................... 19.95
9775D Safety & Operation: Large Metal Power Tools ................................................. 89.00
9776AD Large Wood Power Tools I: Safety, Operation & ID........................................ 95.00
9776BD Large Wood Power Tools II: Safety, Operation & ID......................................... 95.00
9777AD Portable Wood Power Tools I: Safety, Operation & ID ...................................... 95.00
9777BD Portable Wood Power Tools II: Safety, Operation & ID ...................................... 95.00
9778D Electrical Safety in the Home or Shop ................................................................ 95.00
9779D Shielded Stick Metal Arc Welding I ................................................................. 115.00
9780D Shielded Stick Metal Arc Welding II ................................................................. 115.00
9781D Shielded Stick Metal Arc Welding III ................................................................. 115.00
9782D Gas Metal Arc Welding ................................ 115.00
9783D Gas Tungsten Arc Welding ................................ 115.00
9784D Oxy-Acetylene Welding: Safety & Introduction .................................................. 115.00
9786D Oxy-Acetylene Cutting ................................... 115.00
9858D Introduction to Welding ..................................................................................... 115.00
9860D Hand Tool Identification - I .............................................................................. 49.00
9861D Hand Tool Identification - II ............................................................................. 49.00
9862D Hand Tool Identification - III ............................................................................. 49.00
9864D Practice Hand Tool Identification - II ............................................................... 49.00
9895D Shielded Metal Arc Welding: Preparation & Safety (2013) ................................. 125.00
9896D Gas Metal Arc Welding: Carbon Steel (2014) .................................................. 125.00
9897D Gas Tungsten Arc Welding: Carbon Steel (2014) .............................................. 125.00
9898D Flux Cored Arc Welding (2014) ................................................................. 125.00
9899D Plasma Arc Cutting ......................................................................................... 125.00
9900D Air Carbon Arc Cutting .................................................................................... 125.00
9901D Welding Inspection & Testing (2013) ................................................................. 125.00
9902D Shielded Metal Arc Welding: AWS EDU-6 Entry Level Welder Qualification Test (2013) .......................................................................................... 125.00
9903D Shielded Metal Arc Welding: 6010 Electrodes (2013) ......................................... 125.00
9904D Shielded Metal Arc Welding: 7018 Electrodes (2013) ......................................... 125.00
9905D Oxy-Fuel Cutting (2014) .................................................................................... 125.00
9906D Gas Tungsten Arc Welding: Stainless Steel (2014) ............................................ 125.00
9907D Gas Tungsten Arc Welding: Aluminum (2014) ................................................... 125.00
9908D Gas Tungsten Arc Welding: Pipe (2014) ............................................................. 125.00
9919D Welding Shop Safety (2013) .............................................................................. 125.00
9920D Oxy-Fuel Welding & Brazing .............................................................................. 125.00
9921D Gas Metal Arc Welding: Aluminum (2014) ........................................................ 125.00
9922D Gas Metal Arc Welding: Stainless Steel (2014) .................................................. 125.00
9977D Residential Electrical Wiring Skills ..................................................................... 95.00
9989D Weld Test Coupon Preparation: Plate & Pipe ...................................................... 115.00
CEV70555 Introduction to Metals PowerPoint® ............................................................. 79.00
CEV70556 Welding Blueprints & Symbols PowerPoint® .................................................. 79.00

Agricultural Structures Design & Fabrication
Agricultural Structures Design & Fabrication develops technical skills in the maintenance, evaluation, design, and completion of agricultural structures using contemporary construction techniques. This course is recommended for students in grades 10-12.

Print Materials
13027 Complete Set of Student Lessons for Agricultural Facilities Design & Fabrication ...................................................................................................................... 70.00
T13027 Complete Set of Teacher Materials for Agricultural Facilities Design & Fabrication (Contains Employability Keys, Tests & Test Keys) ...................................................................................... 95.00
### Agricultural Power Systems

Agricultural Power Systems develops technical skills in the selection, operation, and maintenance of small air-cooled engines, multi-cylinder engines, electric motors, agricultural machinery, tractors, and hydraulic power systems. This course is recommended for students in grades 10-12.

#### Print Materials
- 13029 Complete Set of Student Lessons for Agricultural Power Systems................. 80.00
- T13029 Complete Set of Teacher Materials for Agricultural Power Systems (Contains Employability Keys, Tests & Test Keys). 90.00
- S323 Student skill sheets for Agricultural Power Systems........................................ 15.00

### Small Gas Engines

Small Gas Engines presents detailed information regarding construction, operation, maintenance, lubrication, troubleshooting, service, rebuilding, and repair. It is focused on single- and multi-cylinder, two-and-four-cycle gasoline engines. The text is appropriate for all levels, as technical information is explained in a user-friendly manner. An appendix lists useful specifications and measurement conversions.

- A variety of engine types from a wide range of manufacturers are presented.
- Career content includes information on Equipment & Engine Training Council (EETC) certification.
- The Small Gas Engines Workbook has sample EETC certification tests for Two-Stroke Engines and Four-Stroke Engines.

#### Print Materials
- 8219P Complete Set of Student Lessons for Agricultural Power & Machinery/Practicum ........................................... 65.00
- S323 Student skill sheets for Agricultural Power Systems........................................ 15.00

### Agricultural Mechanics/Practicum

Agricultural Mechanics/Practicum, a laboratory-oriented course, covers the technical skills and scientific concepts necessary in agriculture. The course focuses on soil and water management; electrification; oxyfuel and electric cutting and welding; concrete construction; building planning and construction; and small engine, equipment, and machinery maintenance and repair. Agricultural Mechanics may be offered for one or two years, and is recommended for students in grades 11-12.

#### Print Materials
- 8239 Complete Set of Student Lessons ........................................................................ 175.00
- 4613 Teacher's Key for Agricultural Mechanics Safety Tests ................................ 10.00
- 8108 Agricultural Mechanics Safety Test ..................................................................... 15.00
- 8110 Agricultural Mechanics Skill Sheets ................................................................. 20.00
- 8314 Agricultural Mechanics Skill Sheets ................................................................. 15.00
- 8315 Agricultural Mechanics Skill Sheets ................................................................. 15.00

### Print Materials

- 8219P Complete Set of Student Lessons for Agricultural Power & Machinery/Practicum ........................................... 65.00
- S323 Student skill sheets for Agricultural Power Systems........................................ 15.00

---

**Modern Residential Wiring**
Modern Residential Wiring is a comprehensive text that presents the latest installation and repair practices, as well as a brief review of the principles of electricity. Essential information regarding tools, materials, equipment and processes are included. Specialized installation, such as computer wiring, is also addressed. A career chapter introduces students to the different jobs that may be available to those that have wiring skills while a separate appendix reviews the math skills needed by electricians. Content corresponds to the 2014 curriculum, and text features help familiarize students with the use of national and local codes for reference.

- Subjects are arranged in a logical sequence that follows the general order of installation: however, chapters can be used on a standalone basis.
- Step-by-step procedures: along with detailed images, make the most complicated tasks easy to understand.

**Print Reading for Construction Residence/Commercial**
Print Reading for Construction starts with the basics and progresses to advanced topics. It is a combination text-workbook that teaches the interpretation and visualization of residential and commercial construction prints. The context is ideal for vocational students, apprentices, and building trades workers in addition to being suitable for self-study.

- The Large Prints folder included with the text contains 140 foldout prints (17x22) from residential and commercial construction, providing students realistic, on-the-job experience.
- Four advanced projects at the end of the text provide additional practice to further develop skills.

**Software Resources**
- 9353NC WINDOWS 95 CD Steering & Braking Systems (PowerPoint) ......................... 49.00
- 9354NC WINDOWS 95 CD Monitoring, Sensing and Metering Devices (Ppt) .............. 49.00
- 9355NC WINDOWS 95 CD Tractor Selection & Operation (PowerPoint) ................. 59.00
- 9361NC Window 98 CD Agricultural Mechanics Tools & Equipment Identification (PowerPoint) ........................................ 66.00

**Agricultural Power & Machinery/Practicum**
Agricultural Power and Machinery/Practicum, a laboratory-oriented course, focuses on skills and knowledge necessary for the maintenance, repair, and reconditioning of agricultural tractors, machinery, and equipment. Basic principles of operation are emphasized. System monitors, precision technology, and information technology are included. This course is recommended for students in grades 11-12.
Animal Systems

Livestock Production

This technical course is designed to develop knowledge and skills pertaining to the nutrition, reproduction, health, and management of domestic animals. Included are careers, leadership, and SAE. Approved reference for National FFA Livestock CDE.

Print Material

1307 Complete Set of Student Lessons for Livestock Production ........................................... 105.00
T1307 Complete Set of Teacher Materials for Livestock Production (Contains Employability Keys, Tests & Test Keys) ................. 140.00
4038 Livestock & Carcass Evaluation ................................................................. 80.00

Small Animal Management

This technical course emphasizes selecting, managing, producing, and marketing specialty agriculture enterprises with emphasis on small animals. Careers, leadership, and SAE are included.

Print Materials

1308 Set of Student Lessons for Small Animal Management (Contains Veterinary Science: Preparatory Training for the Veterinary Assistant, Employability Characteristics IMS #8000 & Rabbit Production Handbook IMS #4042) .................................................. 85.00
T1308 Complete Set of Teacher Materials for Small Animal Management (Contains Employability Keys, Tests & Test Key) ................................................................. 105.00

DVD Resources

9723D Basic Companion Animal Care 115.00
CEV80207 Goat Management Practices ................................................................. 115.00

Equine Science

This technical course is designed to develop knowledge and skills pertaining to the selection, nutrition, and management of horses. Included are careers, leadership, and SAE.

Print Materials

1306 Complete Set of Student Lessons for Equine Science ........................................... 85.00
T1306 Complete Set of Teacher Materials for Equine Science (Contains Employability Keys, Tests & Test Keys) ......................... 145.00
4036 Horse Evaluation Handbook (2012 edition) ............................................... 30.00

DVD Resources

9516D Diseases: Mad Cow & Foot & Mouth ............................................................. 115.00
9535D Digestive Systems of Livestock: A Basic Look ............................................ 125.00
9536D Rumint Digestive Systems: A Closer Look .............................................. 125.00
9551D Basic Livestock Nutrition .................................................. 115.00
9594D Bovine Embryo Transfer (Non-surgical) .................................................. 125.00
9611D Livestock Parturition ................................................................. 89.00
9612D From Conception to Consumer .............................................................. 89.00
9700D Basic Animal Science ................................................................. 115.00
9701D The Skeletal & Muscular systems ............................................................. 115.00
9983D Field Trip: The Feedyard ........................................ 79.00

Agriculture, Food, & Natural Resources 7
Advanced Animal Science

This course is an option for a 4th Science credit and provides an academically stimulating environment for students wishing to advance their understanding of animal science. In this technical course, students examine the interrelated human, scientific, and technological dimensions of livestock production. In addition, students expand their knowledge of the scientific and technological dimensions of resources necessary for animal production. Included are careers, leadership, and SAEP. Approved reference for National FFA Livestock CDE.

Print Materials

13010 Complete Set of Student Lessons for Advanced Animal Science ............... 175.15
T130710 Complete Set of Teacher Materials for Advanced Animal Science (Contains Employability Keys, Tests & Test Keys) ......................... 75.00

DVD Resources

9594D Bovine Embryo Transfer (nonsurgical) ................................ 125.00
9611D Livestock Parturition .............................................. 89.00
CEV70542 Advanced Livestock Nutrition PowerPoint® ......................... 99.00

Animal Production/Practicum

This agricultural industry course enhances student understanding of the many interrelated aspects of animal production & how they affect the industry. Lessons cover a variety of areas, including careers in the animal production industry; analyzing governmental agricultural policy; budgeting & financing; and a review of domestic & foreign trade. (2005)

Print Materials

13025 Complete Set of Teacher Materials for Animal Systems-Practicum................. 70.00
T13025 Complete Set of Teacher Materials for Animal Systems-Practicum (Contains Employability Keys, Tests & Test Keys) 135.00

DVD Resources

CEV70530 Basic Reproduction of Animals PowerPoint® ......................... 69.00
CEV80186 Advanced Animal Genetics 99.00

Plant Systems

This technical course prepares students to design and arrange flowers, foliage, and related plant materials for interior locations. Also prepares students to examine floral design in relation to contemporary designs, business practices, specialty items, creativity, and careers in the floral industry. Included are careers, leadership, and SAEP.

Floral Design

Print Materials

13018 Complete Set of Student Lessons for Principles & Elements of Floral Design 82.25
T13018 Complete Set of Teacher Materials for Principles & Elements of Floral Design (Contains Employability Keys, Tests & Test Keys) ......................................... 195.00
RG13001800 Resource Guide & Curriculum Crosswalk for Principles & Elements of Floral Design ............................................ 25.00

Principles of Floral Design provides an introduction to the hands-on skills and theory required for career success. This heavily illustrated text acquaints future floral designers with the history of floriculture, design principles and elements, and floriculture industry and careers. It presents the various types of products used in flora designs, before progressing into common floral applications and events.

978-1-61960-889-4 Text, Hardcover ........ 93.28
978-1-61960-895-5 Workbook .................. 26.64
DVD Resources

9427NC WINDOWS 95 CD Principles of Interior Design (PowerPoint) ............................................. 59.00
9430NC WINDOWS 98 CD Floriculture CDE Placing Classes ......................................................... 36.00
9531D Flower Judging ............................................. 50.00
9634D Techniques in Plant Identification .......................................................... 85.00
9736D Competitive Flower Arranging ............................................. 50.00
9737D Competitive Corsage Construction .......................................................... 50.00
9768D Post Harvest Care of Cut Flowers .......................................................... 80.00
9841D Horticulture Plant Identification - Floral ............................................. 65.00
9842D Horticulture Plant Identification - Foliage ............................................. 65.00
9844D Practice Horticulture Plant Identification .......................................................... 49.00
CEV70550 History of Floral Design PowerPoint® ............................................. 69.00
CEV70551 Design Fundamentals PowerPoint® ............................................. 69.00
CEV70552 Floral Design Tools PowerPoint® ............................................. 69.00
CEV70553 Flower Identification PowerPoint® ......................................................... 125.00

Landscape Design & Management

This technical course prepares students to design, construct, and maintain plant- ed areas and devices for the beautification of home grounds and other areas of human habitation and recreation. Included are careers, leadership, and SAEP.

Print Materials

13021 Complete Set of Student Lessons for Landscape Design & Turf Grass Management ............................................. 73.45
T13021 Complete Set of Teacher Materials for Landscape Design & Turf Grass Management (Contains Employability Keys, Tests & Test Keys) ............................................. 140.00
4336 Home Site Evaluation CDE Handbook, 2010 ............................................. 10.00

Horticultural Science

Horticultural Science is designed to introduce students to horticultural sciences with emphasis on technical skills, entrepreneurship, and occupational opportunities. Prepares students to produce greenhouse/ nursery plants and to maintain plant growth and propagation structures. Also provides an academically stimulating environment for students wishing to advance their understanding of soil and plant science. Students examine the interrelated human, scientific, and technological dimensions of crop production using the resources of land, soil, water, energy, and living organisms. In addition, students expand their knowledge of the scientific and technological dimensions of resources necessary for crop production. Included are careers, leadership, and SAEP.

Print Materials

13023 Complete Set of Student Lessons for Horticulture Science ............................................. 71.45
T13023 Complete Set of Teacher Materials for Horticulture Science (Contains Employability Keys, Tests & Test Keys) ............................................. 90.00
4337 State Land CDE Reference ISBN: 978-1-62162-029-7 ............................................. 10.00
4339 Junior Master Gardener Level 1 Curriculum Materials (English Version) ............................................. 24.00
4340 Junior Master Gardener Level 1 Teacher/Leader Guide ............................................. 57.00
4341 Junior Master Gardener Level 2 (for Teacher and Student) ............................................. 52.50
4342 Junior Master Gardener Wildlife Gardener ............................................. 52.50
4343 Junior Master Gardener Health & Nutrition from the Garden ............................................. 45.00

DVD Resources

9421NC WINDOWS 95 CD Horticopia A to Z ............................................. 106.50
9431NC WINDOWS 98 CD Nursery & Landscape CDE Placing Classes ............................................. 42.00
9432NC WINDOWS 98 CD Nursery Plant Identification ............................................. 85.00
9741D Landscape Tools: Use & Safety ............................................. 30.00
9753D Landscape Design I: Introduction to Landscape Design ............................................. 85.00
9754D Landscape Design II: Landscape Design Process ............................................. 85.00
9839D Landscape Plant ID - Ground Covers & Shrubs ............................................. 65.00
9840D Landscape Plant Identification - Trees ............................................. 65.00
9843D Practice Landscape Plant Identification ............................................. 49.00
Advanced Plant & Soil Science

This course is an option for a 4th Science credit and provides students with an academically stimulating environment for students wishing to advance their understanding of soil and plant science. Students examine the interrelated human, scientific, and technological dimensions of crop production using the resources of land, soil, water, energy, and living organisms. In addition, students expand their knowledge of the scientific and technological dimensions of resources necessary for crop production. Included are careers, leadership, and SAE.

Print Materials

13025 Complete Set of Student Lessons for Advanced Plant & Soil Science ........... 85.00
T13025 Complete Set of Teacher Material for Advanced Plant & Soil Science (Contains Employability Keys, Tests & Test Keys). 75.00
8651 Complete Set of Student Lessons for Agronomy CDE ..................................... 65.00
T8651 Complete Set of Teacher Material for Agronomy (Contains Lesson Keys, Test and Test Key CDE) ............................... 60.00

Environmental Systems & Natural Resources Systems

Energy & Natural Resource Technology

This introductory course is designed to explore interrelationships of people and natural resources with special emphasis on conservation and protection. Included are careers, leadership, and SAEP.

Print Materials

13011 Complete Set of Student Lessons for Energy & Natural Resources Technology ................................................................. 65.00
T13011 Complete Set of Teacher Materials for Energy & Natural Resources Technology (Contains Employability Keys, Test & Test Keys) ...................................................... 145.00
Advanced Energy & Natural Resource
This upper-level course addresses the concepts and skills related to environmental technology. Included are components of the environment; renewable and non-renewable natural resources; stewardship of the environment; abuse of natural resources; environmental laws, legislation and regulations; environmental ethics, responsibility, and education; and implications of restoration and conservation practices. Also included are careers, leadership, and SAE.

Student Materials
13012 Complete Set of Student Lessons for Advanced Energy & Natural Resource Technology ................................................................. 76.15
T13012 Complete Set of Teacher Materials for Advanced Energy & Resource Technology (Contains Employability Keys, Tests & Test Keys) ........................................................................ 75.00
RG13001200 Resource Guide & Curriculum Crosswalk for Advanced Energy & Natural Resource Technology .................................................. 25.00

DVD Resources
9625D Land Application-Water Reuse in Agriculture ........................................ 79.00
CEVBO197 Environmental Issues: Animal Systems ........................................... 89.00
Wildlife, Fisheries & Ecology Management
This technical course is designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Safety education programs for hunters, boaters, and anglers are emphasized. Lessons on careers, leadership, and SAEP are included. A study of aquatic plants and animals, water management, production techniques, and management and marketing skills provide a thorough basis for future studies. This material provides the student with individual lessons that support the aquaculture curriculum guide developed by the National Council for Agricultural Education.

Print Materials
13017 Complete Set of Student Lessons for Wildlife, Fisheries, & Ecology Management .............................................................................. 83.30
T13017 Complete Set of Teacher Materials for Wildlife, Fisheries, & Ecology Management (Contains Employability Keys, Tests & Test Keys) .............................................................. 135.00
RG13001500 Resource Guide & Curriculum Crosswalk for Wildlife, Fisheries, & Ecology Management .................................................. 25.00

B-6206 Texas Ponds: A High School Math and Science Curriculum This Curriculum is designed to teach high school students key science and math principles pertaining to natural resources management. It uses a Texas fish species, largemouth bass, and real-world scenarios that occur across the state. The lessons involve all phases of managing natural resources: data collection, analysis and interpretation. In addition to the classroom work, optional field exercises are included to encourage the students to put their classroom experiences into action. The lessons can be conducted in the classroom and reinforced with field activities appropriate to this application. This TEKS-aligned curriculum includes 9 science & 10 math lessons along with pre- and post-tests in TAKS test formats. It includes a CD that contains the curriculum as well as a PowerPoint presentation and a poster of common Texas fish species. 344 pp., 1 CD, 1 poster. By: Billy Higginbotham, Melissa Clifton 50.00

B-6227 Managing the White-Tailed Deer: A Wildlife and Fish Management Curriculum for High School Math and Science Students Students will learn the three important components of white-tailed deer management: the deer population, the habitat, and the people who interact with and use this species. The comprehensive background reading section describes each component, then details how each is assessed and evaluated by wildlife biologists. Students learn to collect, analyze and interpret data to help them evaluate the three components. Students learn to make management recommendations based on this data. Everything needed to teach this material is included in the notebook and on the accompanying CD. Each math and science lesson plan includes its TEKS correlation and activities that allow students to put their classroom experiences into action. 352 pp., CD with PowerPoint presentation, 2 videos By: Billy Higginbotham ....................................................... 50.00

CDE Resources
0267 Pocket Deer Aging Tool .......................................................... 9.15
0268 Deer Aging Plaque ............................................................ 79.95
4400 Wildlife & Recreation CDE Study Guide (2016) ........................................ 25.00
9402NC WINDOWS 98 CD Wildlife CDE Reference ........................................ 102.00
9403NC WINDOWS 98 CD Wildlife I.D. .............................................. 162.00
9405NC WINDOWS 98 CD Wildlife II ................................................ 36.00
9440NC 2009 WRM CDE Competitions: Region III; Region IV; State; San Antonio Livestock Show; Houston Livestock Show; Texas State University ................................. 60.00
9441NC 2010 WRM CDE Competitions: Region III; Region IV; State; San Antonio Livestock Show; Houston Livestock Show; Texas StateUniversity ........................................ 60.00
9442NC 2011 WRM CDE ............................................................... 60.00
9443NC 2012 WRM CDE ............................................................... 60.00

DVD Resources
9140D A Year with the Whitetail ........................................ 29.95
9669D Deer Aging & Management .................................................. 24.95
9532D Food Safety: Fish & Shellfish Safety ........................................ 115.00
9629D Shrimp Farming ............................................................... 21.00
9649D Deer Processing ............................................................... 19.95
9680D Red Drum Aquaculture ....................................................... 21.00
9681D Catfish Farming in the South .................................................. 21.00
9696D Batfish Culture in the South ................................................... 21.00
9725D The Two Minute Coyote ..................................................... 19.95
9742D Crawfish Aquaculture in the South ........................................ 21.00
9743D Alligator Aquaculture in the South ........................................ 21.00
9788D Southern Hybrid Striped Bass .................................................. 21.00
9789D Trout Production in the South ................................................. 21.00
9850D Wildlife Identification-Deer .................................................. 49.00
9852D Wildlife Identification-Larger Antelopes & Waterbucks ................. 49.00
9854D Wildlife ID Exotics ............................................................... 49.00
9855D Practice Wildlife Identification - I ........................................... 49.00
9856D Practice Wildlife Identification - II .......................................... 49.00
9857D Practice Wildlife Identification - III ........................................ 49.00
9909D Introduction to Water Quality Testing ................................. 21.00
9910D Water Quality Dynamics ....................................................... 21.00
9911D Procedures for Water Quality Management ................................. 21.00
9912D Induced Spawning of Fish .................................................... 21.00
9938D Avian Depredation of Southern Aquaculture ........................... 21.00
9960D Warmwater Finish – Harvesting, Handling, & Transport ............ 21.00
9964D Channel Catfish Spawning & Hatchery Management ................. 21.00
9974D Aquaculture Processing Safety & Quality ................................. 21.00
CEVBO302 Field Trip: Texas Freshwater Fisheries Center ..................... 115.00
Range Ecology & Management

This technical course familiarizes students with the management and ecological aspects of rangelands. Students study and develop technical skills in sustainable natural resources, range plants, ecosystems, water cycles, range conditions, carrying capacities, livestock management, wildlife management, and research. In addition, students expand their knowledge of safe work practices, record-keeping, career exploration, and leadership.

Print Materials

13019 Complete Set of Student Lessons for Range Ecology & Management .......... 40.55
T13019 Complete Set of Teacher Materials for Range Ecology & Management (Contains Employability Keys, Tests & Test Keys) 140.00

Forestry & Woodland Ecosystems

This technical course familiarizes students with the forestry and wood technology industries. Students acquire a historical perspective of the industries and use it as a benchmark as they develop technical skills in dendrology, biometrics, forest management, forest utilization, wood product technology, and research and development. Other school-to-work skills developed include safe work practices, record-keeping, career exploration, and leadership.

Print Materials

13018 Complete Set of Student Lessons for Forestry & Woodland Ecosystems .......... 90.00
T13018 Complete Set of Teacher Materials for Forestry & Woodland Ecosystems (Contains Employability Keys, Tests & Test Keys) .................................................. 90.00

Agricultural Resources – Practicum

This Practicum introduces students to concepts and skills needed to develop agricultural resources in their communities. Included are units in managing land, water, air, aquatic life, wildlife, forest, and outdoor recreation resources in the student’s community. An additional unit on taxidermy completes the course. Included are skills related to career, leadership, & SAE development.

Print Materials

8302 Water Resource Management Handbook ........................................ 15.00
8302K Teacher’s Key to Water Resource Management Handbook ............... 25.00
H481 Handbook of Activities for Agricultural Resources .......................... 15.00

Aquaculture Production – Practicum

This Practicum familiarizes students with concepts & skills related to the production of aquaculture crops. In this course, students study & develop technical skills in the importance of aquaculture, safety practices, related to aquaculture, classification & identification of plant & animal aquaculture species, determination of optimum growth and health of species specific aquacrops, analysis of water quality, planning and designing of aquaculture facilities, harvesting of aquacrops, processing of species specific aquacrops, & marketing of aquaculture products. Included are careers, leadership, & SAE.

Print Materials

8299P Complete Set of Student Lessons for Aquaculture Production ............. 33.00

DVD Resources

9909D Introduction to Water Quality Testing ............................................. 21.00
9910D Procedures for Water Quality Management ..................................... 21.00
9911D Water Quality Dynamics ............................................................... 21.00
CEV80179 Water Resources ................................................................. 110.00

DVD Resources

9405NC WINDOWS 98 CD Aquaculture .................................................... 36.00
9532D Food Safety: Fish & Shellfish Safety .............................................. 115.00
Food Product & Processing Systems

Food Technology & Safety

This introductory course emphasizes world food production; the processing, preparing, and packaging of foods; and government regulations regarding foods. Included are careers, leadership, and SAEP.

Print Materials

13015 Complete Set of Student Lessons for Food Technology & Safety (Contains 3 charts) ............................................................. 64.85
T13015 Complete Set of Teacher Materials for Food Technology & Safety (Contains employability Keys, Tests & Test Keys) .............. 210.00
0408 Questions and Answers on Federal Milk Marketing Orders (USDA-AMS 1996) ............................................................... 2.00
0409 Judging & Scoring Milk & Cheese (USDA 1992) ................................................................................................................ 2.00
0435 Milk Quality Products CDE Handbook .................................................. 2.00

DVD Resources

9301NC WINDOWS 98 CD Dairy Products CDE – Cheese ID & Milker Parts Digital Slides .......................................................... 20.00
9375XC WIN/MAC CD Meat Cut ID ....................................................... 125.00
9532D Food Safety: Fish & Shellfish Safety ...................................................................................................................... 115.00
CEV70562 Introduction to Nutrients PowerPoint® .................................... 79.00
CEV70563 American Food Guides of Yesterday PowerPoint® .................. 79.00
CEV70573 MyPlate: The New Food Guide PowerPoint® ....................... 125.00
CEV70574 Meat Science & Food Safety PowerPoint® ............................. 125.00
CEV70566 Nutrition & Wellness Diseases: Cancer PowerPoint® ......... 79.00
CEV70567 Nutrition & Wellness Diseases: Food Allergies & Intolerances PowerPoint® .............................................................. 79.00
CEV70591 Nutrition & Wellness Diseases: Cardiovascular Conditions PowerPoint® ......................................................... 89.00

CDE Resources

LA1033 Louisiana Meats Processing Student Materials .......................... 149.50
0225 Purchasing Pork Poster-A Consumer Guide to Identifying Retail Pork Cuts .......................................................... 2.50
0226 The Meat Evaluation Handbook (AMS 2001) ................................ 80.00
0227 The Guide to Identifying Meat Cuts (NCBA & NPPC) ............... 4.00
0229 NAMP Meat Buyers Guide .......................................................... 80.00
0401 Standards for Grades of Slaughter Swine ..................................... 1.00
0402 United States Standards for Grades of Carcass Beef (USDA-AMS 1997) .......................................................... 1.50
0403 US Standards for Grades of Slaughter Cattle (USDA-AMS 1996) .. 1.50
0404 US Quality Grades – Slaughter Steers (USDA 2001) .................... 1.00
0405 US Yield Grades – Slaughter Steers (USDA 2001) ................. 1.00
0406 US Standards for Grades of Feeder Cattle (USDA 2000) .......... 1.00
0407 US Standards for Grades of Feeder Cattle (USDA 2000) .......... 1.00
0412 Beef Ribeye Grid ........................................................................ 6.00

Food Processing

This agricultural industry course familiarizes students with concepts and skills related to food processing systems. Students study and develop technical skills in processing, preparing, and packaging beef, pork, lamb, goat, poultry, and fish meat products. In addition, students expand their knowledge of food safety, government regulations regarding food, safe work practices, recordkeeping, career exploration, and leadership. (2000)

Print Materials

13016 Complete Set of Teacher Materials for Food Processing .................. 42.25
T13016 Complete Set of Teacher Materials for Food Processing (Contains Employability Keys, Tests & Test Keys) ....................... 70.00

Principles of Food Science demonstrates how the laws of science are at work in the preparation of food, both at home and in industry. By studying nutrients and other food components, students learn basic chemistry concepts including the structure of atoms, different forms of energy, and water’s role as a universal solvent. Macronutrients, micronutrients, and microcomponents are all explored. The positive and negative effects that microbes have on foods is covered along with food preservation and packaging.
Fruit, Nut, & Vegetable Production

These materials prepare students to develop and maintain enterprises concerned with the production of fruit, nuts, and vegetables. Included are careers, leadership, and SAEP.

Student Materials

8980 Complete Set of Student Lessons for Fruit, Nut & Vegetable Production........ 70.00
8980B Complete Set of Student Lessons for AgSc 364 (Bound) .................. 75.00

DVD Resources

9375XC WIN/MAC CD Meat Cut ID ........... 125.00
9507D Meat Judging Practice D .......... 99.00
CEV70538 Scientific Principles: Chemical Properties PowerPoint® ......... 79.00
CEV70539 Scientific Principles: Enzymes PowerPoint® .................. 79.00
CEV70540 Scientific Principles: Solutions & Emulsions PowerPoint® ....... 79.00
CEV70545 Food Packaging: Options & Guidelines PowerPoint® .......... 69.00
CEV70546 The Science in Food Preservation PowerPoint® ............. 79.00
CEV80180 A Close Look at Nutrition: Carbohydrates .................... 115.00
CEV80181 A Close Look at Nutrition: Fats & Lipids .................... 115.00
CEV80182 A Close Look at Nutrition: Metabolism & Energy ............... 115.00
CEV80183 A Close Look at Nutrition: Proteins & Amino Acids ............ 115.00
CEV80184 A Close Look at Nutrition: Vitamins, Minerals & Water .. 115.00
CEV80185 AcIDS & Bases in Food Science ................. 115.00
CEV80189 Chemical Processes in Food Science ......... 115.00
CEV80237 The Science in Food Handling & Storage .................. 99.00
CEV80238 Scientific Procedure & Safety ...... 99.00
CEV80290 Retail Cut ID ....................... 195.00
CEV90600 Retail Cut ID Contest Simulator PowerPoint® ............ 135.00

Supplemental Resources

4339 Junior Master Gardener Level 1 Curriculum Materials (English Version) ........ 24.00
4340 Junior Master Gardener Level 1 Teacher/Leader Guide ................ 57.00
4341 Junior Master Gardener Level 2 (for Teacher and Student) .......... 52.50
4342 Junior Master Gardener Wildlife Gardener ...................... 52.50
4343 Junior Master Gardener Health & Nutrition from the Garden ...... 45.00

CDE Resources

CDE References for Dairy Cattle Evaluation

0408 Questions and Answers on Federal Milk Marketing Order (USDA-AMS 1996) .... 2.00
0409 Judging & Scoring Milk and Cheese (USDA 1992) .................... 2.00
0413 Regulations Governing the Voluntary Grading of Poultry Products & Rabbit Products (USDA-AMS 1999) .......... 2.00

CDE References for Entomology

8435 Entomology CDE Study Guide (348 pages, 36 topics) ............. 50.00

DVD Resources for Entomology

CEV70073 Parasites of Livestock, PPT ......... 79.00
CEV70536 Plant Pests: Chewing Insects .................................. 79.00
CEV70597 Plant Pests: Sucking Insects .................................. 79.00
9639D Pesticide Safety ......................... 85.00
9845D ID & Classification of Insects ........ 85.00
9846D Insects Metamorphosis & Structure ........ 85.00
9876D Insect ID .................................. 85.00
9879D Arthropod ID .................................. 85.00

CDE Resources for Agronomy

8651 Complete Set of Student Lessons for Agronomy CDE ................ 65.00
78651 Complete Set of Teacher Material for Agronomy (Contains Lesson Keys, Test and Test Key CDE) .... 50.00
CDE References for Livestock Evaluation

0411 Preliminary Yield Grade Ruler .......... 3.75
0408 Livestock & Carcass Evaluation .. 68.20

DVD Resources for Livestock Evaluation

9704D Area/State Feeder Cattle DVD .................. 25.00
9705D Area/State Slaughter Cattle DVD .................. 25.00
9706D Area/State Beef Heifer Selection DVD .................. 25.00
CEV80212 The Livestock Industry ..... 115.00
CEV80214 Livestock Judging: Classes, Critiques & Reasons II ......... 195.00
CEV80216 Livestock Judging: Fundamentals .................. 125.00

CDE Resources

0414 Poultry-Grading Manual (USDA) .... 8.00
0415 Interior Quality of Eggs (15"x22" Color Chart) (USDA) ........... 10.00
0416 Quality of Individual Shell Eggs (15"x22" Color Chart) (USDA) .... 10.00
0417 Egg-Grading Manual (USDA) .......... 8.00

Poultry Science Manual

This edition of the Poultry Science Manual aids in teaching beginners, as well as experienced individuals, to properly evaluate live birds, ready-to-cook poultry, shell eggs, and further processed poultry. The manual also includes information related to poultry production, management, and science and cooperating with others in solving poultry industry problems. This edition complies with the rules and regulations of the 2017-2021 National Poultry Career Development Events. ISBN: 978-1-62162-108-9 .............. 45.00

0419 Ready to Cook Poultry Grading Chart Poster ........................................ 15.00
0420 2013 National FFA Poultry CDE Written Exam & Key .................. 10.00
0425 2007 National Poultry Evaluation CDE Management Exam & Key .......... 10.00
0426 2008 National Poultry Evaluation CDE Management Exam & Key .......... 10.00
0427 2009 National Poultry Evaluation CDE Management Exam & Key .......... 10.00
0428 2010 National Poultry Evaluation CDE Management Exam & Key .......... 10.00
0429 2011 National FFA Poultry CDE Written Exam & Key .................. 10.00
0430 2012 National FFA Poultry CDE Written Exam & Key .................. 10.00

Resources for Poultry Evaluation

0419KPDD Evaluating Egg-Type Hens for Production (2017) DVD ................. 30.00
9333NC WINDOWS 98 CD Supplement: Comparison of Body Parts in Excellent & Poor Egg-Type Hens; Examples of Interior Qualities of Eggs; Examples of Exterior Qualities of Eggs; Comparing Exterior Quality of Live Poultry; Identifying Chicken Carcass Parts; Poultry Embryology (written exam topic); PDF version of Poultry-Grading Manual - USDA Handbook No. 31 (32 pages); PDF version of Egg-Grading Manual - USDA Handbook No. 75 (50 pages); PPT program on Evaluating Further-Processed Poultry Meat Products .......................... 50.00
9334NC WINDOWS 98 CD National FFA Poultry CDE Color PPT Programs: Grading Shell Eggs for Exterior Quality; U.S. Standards of Quality for Poultry & Poultry Parts: Part 1 - Whole Fryer Grading Part 2 - Fryer Parts Grading .................................................. 50.00
9390NC WINDOWS 98 CD Breeds of Livestock and Poultry Digital Slides .......... 54.00

9560D National FFA 2007 Poultry Evaluation CDE Team Event DVD .............. 35.00
9561D National FFA 2008 Poultry Evaluation CDE Team Event DVD .............. 35.00
9562D National FFA 2009 Poultry Evaluation CDE Team Event DVD .............. 35.00
9563D National FFA 2010 Poultry Evaluation CDE Team Event DVD .............. 35.00
9564D National FFA 2011 Poultry Evaluation CDE Team Event DVD .............. 35.00
9572D Introduction to Poultry Judging . 65.00
9573D Judging Pullets & Hens .......... 65.00
9574AD Evaluating Ready-to-Cook Turkeys & Broilers ......................... 65.00
9574BD Identification of Poultry Parts & Poultry Patty Judging .................... 65.00
9575D Egg Grading .......... 65.00
9576D Practice Poultry Judging I .......... 49.00
9592D Poultry Judging Contest II .......... 59.00
9592D Poultry Judging Contest IV .......... 59.00
9950D Practice Poultry Judging IV .......... 49.00
9951D Practice Poultry Judging V .......... 49.00
CEV80196 Egg Grading .......... 99.00
CEV80199 Evaluating Ready to Cook Turkeys & Broilers .................... 99.00
CEV80200 Evaluation of Live Egg Type Hens ................................................. 99.00
CEV80208 ID of Poultry Parts & Evaluation of Further Processed Poultry Meats .......... 99.00
CEV80210 Introduction to Poultry Judging ............................................. 115.00
CEV80226 Poultry Judging: Practice Contest I .............................................. 125.00
CEV80227 Poultry Judging: Practice Contest II ........................................... 125.00

Agriculture, Food, & Natural Resources 15
Advanced Biotechnology

This technical course is designed to introduce students to the basics of molecular biology in this rapidly developing industry. The course includes technical information and skill activities in cell biology, Mendelian genetics, recombinant DNA techniques, and plant and animal biotechnology. Also included are careers, leadership, and SAEP.

Print Materials

13026 Complete Set of Student Lessons for Advanced Biotechnology ………………… 60.00
T13026 Complete Set of Teacher Material for Advanced Biotechnology (Contains Employability Keys, Tests & Test Keys) …………………………… 90.00
RG13036400 Advanced Biotechnology 25.00

DVD Resources

9609D Introduction to Biotechnology… 150.00

Teacher Resources

Supplemental Printed Resources

Ag Literacy Materials

AL-1 Fun With Corn for Primary Level Students ……………………………………………… 10.00

AL-2 Agricultural Literacy Peanuts Unit for the 3rd Grade ……………………………… 10.00
AL-3 Agricultural Literacy Bees Unit for the 3rd Grade ……………………………… 10.00
AL-4 Fun With Fish and Other Aquatic Animals for Intermediate Students ………… 10.00
AL-5 Agricultural Literacy Wheat Unit for the 4th Grade ……………………………… 10.00
AL-6 Agricultural Literacy Poultry Unit for the 5th Grade ……………………………… 10.00
AL-7 Agricultural Literacy Cotton Unit for the 5th Grade ……………………………… 10.00
AL-8 Agricultural Literacy Dairy Products Unit for the 5th Grade …………………… 10.00
AL-9 Potatoes in the Classroom for Intermediate Level Students …………………… 10.00
AL-10 Earthcare …………………………………………………………………………… 10.00
AL-11 Project Green - Book 1 Science & Math ………………………………………… 10.00
AL-12 Project Green - Book 2 Interdisciplinary Studies ……………………………… 10.00
AL-CO Complete Set of Ag Literacy Materials (AL 1- AL 12) …………………… 100.00

Miscellaneous References & Supplies

4042 Rabbit Production Handbook ……………………………… 20.00
9006 Agricultural Science and Technology Facility Guidelines …………………… 25.00
9020 Special Needs Students in Agricultural Science ……………………………… 10.00
9022 Science Fair Handbook for High School Teachers ……………………………… 10.00
9080 FFA Exhibitor’s Card ……………………………………………………………… 1.50
99303 Program Advisory Committees ………………………………………………… 10.00

DVD Resources

CEV80150 Introduction to Computer ……………………………… 125.00
CEV80159 Microsoft® Access® 2007 Basics ……………………………… 250.00
CEV80160 Microsoft® Excel® 2007 Basics ……………………………… 250.00
CEV80161 Microsoft® Windows®/Internet Explorer® & Outlook® 2007 Basics ………………… 250.00
CEV80162 Microsoft® PowerPoint® 2007 Basics ……………………………… 250.00
CEV80148 Advanced Microsoft® Excel® 2007 ……………………………… 175.00
CEV80149 Advanced Microsoft® Word® 2007 ……………………………… 175.00
CEV80163 Microsoft® Publisher® 2007 Basics ……………………………… 250.00

Miscellaneous Certificates

9050 Certificate of Merit (Student Competency) ……………………………… 8.00
9051 Certificate of Completion (Work-Based Learning) ……………………………… 8.00
9052 Certificate of Cooperation (Training Center, package of 10) …………………… 8.00
9053 Certificate of Accomplishment (Outstanding Career Prep System Student, package of 10) ………………………………………… 8.00
9054 Honorary Chapter FFA Degree Certificate (package of 10) ……………………………… 8.00
9055 Certificate of Appreciation (Community Leader, package of 10) …………………… 8.00
9056 Certificate of Completion (Workshop, package of 10) ……………………………… 8.00
9057 Certificate of Participation - Texas Junior FFA (package of 10) …………………… 8.00
9058 Certificate of Completion (Diversified Career Preparation Student, package of 10) ………………………………………… 8.00
9059 Certificate of Cooperation (Diversified Career Prep Approved Training Center, package of 10) ………………………………………… 8.00

Supervised Agricultural Experience (SAE)

RB-CO Record Book for the SAEP in Principles of Agriculture, Food, and Natural Resources (Complete set of activity and financial sheets; and covers) Recommended for use by all students; includes all types of SAEP record-keeping in one book ………………… 6.00
RB-FC Front Cover of Record Book for SAEP (Pkg. of 10) ……………………………… 4.50
RB-BC Back Cover of Record Book for SAEP (Pkg. of 10) ……………………………… 1.50