Research in Agriculture-18206

(Pathways in Agriculture, Food and Natural Resources Mgmt)

Kansas Agriculture Education

Name: _____

Instructor: _____ School Year: _____

Verification Signatures Hours Completed _140 hrs/1 Credit_

Student: _____ Date: _____

Instructor: _____ Date: _____

Key to Integrated Competencies
(A)- Academic {AC – Communications/English, AM-Math, AS-Science}
((CD)–Career Development (E)–Experience-Based (L)–Leadership (LK)-LifeKnowledge

Circle to indicate level of competency achieved:
3 Skilled-Works Independently 2 Limited skill-Needs assistance 1 Skill undeveloped-but received instruction 0 No exposure

Pathway Focus (CD)
(Circle one of the following)

Animal Systems
Plant Systems
Agribusiness Systems
Power and Technical Systems
Natural Resource Systems

Current Issues/Current Events

3 2 1 0 1. Stay up to date on current agriculture events
3 2 1 0 2. Research current issues affecting the agriculture industry (LK, E)

Positive and Negative Perspectives of Agriculture

3 2 1 0 1. Research outlooks and perspectives on the agriculture industry different than your own (AC, LK)
3 2 1 0 2. Participate in a class debate over an agricultural issue (AC)

Getting the Job

3 2 1 0 1. Revise your Resume (AC, CD, LK)
3 2 1 0 2. Write a cover letter (AC, CD, LK)
3 2 1 0 3. Complete a job application (AC, CD, LK)
3 2 1 0 4. Participate in a job interview (AC, CD, LK)
3 2 1 0 5. Write a follow-up letter (AC, CD, LK)

Furthering your Education

3 2 1 0 1. Research and compare at least 3 different colleges or technical programs to further education in your pathway (CD, LK)
3 2 1 0 2. Brainstorm strategies to ensure success in your future education (CD, LK)
3 2 1 0 3. Apply for College Scholarships (E)
3 2 1 0 4. Complete the FAFSA Finanical Aid Form (AC, AM)

Life Long Learning/Professional Organizations in Agriculture

3 2 1 0 1. Explore learning opportunities outside of traditional college experience (E)
3 2 1 0 2. Find learning opportunities within professional organizations relating to your pathway (E)
3 2 1 0 3. Conduct an interview with a local member of a professional organization in agriculture (AC, E)

Business Etiquette

3 2 1 0 1. Illustrate proper telephone and cell phone etiquette (AC, CD, LK)
3 2 1 0 2. Utilize proper techniques in communicating via e-mail (AC, CD, LK)
3 2 1 0 3. Write a formal business letter of request (AC, CD, LK)
3 2 1 0 4. Write a formal thank you letter (AC, CD, LK)
3 2 1 0 5. Use proper table and dining etiquette techniques (LK)

Career Opportunities in Agriculture

3 2 1 0 1. Explore unfamiliar jobs relating to your career pathway (E)
3 2 1 0 2. Research and report on the job outlook for career opportunities in your pathway (AC)
3 2 1 0 3. Select, schedule and complete 1 job shadowing experience in your career pathway each semester (E)

Location(s): _____

Career Development in Agriculture

3 2 1 0 1. Prepare for a FFA career development event relating to your pathway (E)
3 2 1 0 2. Participate in a FFA career development event relating to your pathway at a high level (E)

Public Speaking/Group Presentations

3 2 1 0 1. Research a 3-8 minute speech on an agricultural topic (E)
3 2 1 0 2. Write a final manuscript for a 3-8 minute speech over an agriculture topic using MLA style with title page and works cited (AC, CD)
3 2 1 0 3. Present a memorized 3-8 minute agriculture speech to the class (AC, L, CD)
3 2 1 0 4. Lead a class discussion over a topic (AC)
3 2 1 0 5. Lead a small group discussion (AC)
3 2 1 0 6. Teach a technical concept to the class (AC, LK)

Technology in Agriculture

3 2 1 0 1. Report on uses of global positioning systems (GPS) in agriculture (E)
3 2 1 0 2. Utilize a GPS receiver to find a location given coordinates (E, AC)
3 2 1 0 3. Design a webpage for an agricultural business using Dreamweaver or iWeb (E)
3 2 1 0 4. Explore uses of Blogging, Podcasting and other new information technology's in the agriculture industry (AC)
3 2 1 0 5. Research online marketing opportunities and strategies for agricultural products (E)

Government Regulations

3 2 1 0 1. Identify Common Safety Concerns/Issues relating to your pathway (CD)

3 2 1 0 2. Explore government regulations and paperwork required for different agricultural business (CD)

3 2 1 0 3. Complete a state and federal income tax return (CD, AM, E)

Technical Agriculture

3 2 1 0 1. Select 5 knowledge and skill statements from your pathway to learn more about during this course.

a. _____
_____
_____

b. _____
_____
_____

c. _____
_____
_____

d. _____
_____
_____

e. _____
_____
_____

3 2 1 0 2. Develop a plan, define learning objective, and decide on an assessment method for the 5 outcomes selected above.

Advanced Agricultural Lab Activity

3 2 1 0 1. Select and develop outcomes for an advanced agriculture laboratory activity for the first semester (E)

_____
_____

3 2 1 0 2. Select and develop outcomes for an advanced agriculture laboratory activity for the second semester (E)

_____
_____

Options Include, but are not limited to:

a. Animal Systems – Dissect a Fetal Pig, Develop a feed ration, conduct a food related research project, etc.
b. Plant Systems – Conduct a research project in the greenhouse, learn and perform an advanced floral design, design and install a landscape plan, etc.
c. Agribusiness Systems – Develop a Marketing Plan for a Product, Learn to use quickbooks to manage business financial records, develop and perform a sales presentation, etc.
d. Power & Tech – Develop advanced skills in the Ag Mech Shop, develop blueprints or project plans, design an construct a small project to be sold, etc
e. Natural Resource – Conduct an environmental research project, monitor water quality of a local stream or watershed, develop a presentation and plan to improve wildlife habitat in an area, etc

Computer Literacy (CD)

3 2 1 0 1. Define, understand, and use common computer technology terms (CD)

3 2 1 0 2. Compose, organize, and edit information using a computer (CD)

3 2 1 0 3. Use presentation software to design and create a presentation (CD)

3 2 1 0 4. Use ag related software/websites (CD)

3 2 1 0 5. Access, navigate,& use on-line services (CD))

3 2 1 0 6. Use Microsoft Office (Word, Excel, Powerpoint, and Internet Explorer) to complete projects (CD)

Work Ethics (CD)

3 2 1 0 1. Apply employee rules, regulations, and policies including: (CD, LK)

a. Punctuality and dependability
b. Responsibility for the position
c. Accuracy
d. Efficiency

3 2 1 0 2. Understand and value effective work ethic attitudes and behaviors such as: (CD, LK)

a. Acceptance of the job requirements
b. Willingness to take initiative with new challenges
c. Take responsibilities for decisions and actions

Supervised Agriculture Experience & Record Keeping

3 2 1 0 1. Complete Advanced SAE Learning Opportunities outlined on the SAE Grading Rubric

3 2 1 0 2. Utilize the Kansas FFA SAE Record book & Quicken to monitor the SAE (CD)

3 2 1 0 3. Complete a local and district proficiency award application (L, AM, AC)

3 2 1 0 4. Complete a State FFA Degree Applications (L, AM, AC)

3 2 1 0 5. Use Quicken to track income and expense in cash, checking, and savings (CD, AM)

3 2 1 0 6. Track SAE skills developed, hours worked as well as FFA, School, and community activities using the Ag Ed record book. (CD)

3 2 1 0 7. Evaluate and revise appropriate long and short-term goals for the SAE program. (LK)