

Activity 2.01.01

Sustainable Agriculture Differentiated Careers Project

Resource for this project: www.agexplorer.com Resources are updated weekly and monthly to keep it fresh. A series of videos and countless resources are available on this site.

Differentiated career activities- choose one of the following activities:

<p>Career Most Wanted Poster (virtual or traditional)</p> <p>Using Discovery Streaming, Glogster, or just a posterboard, create a visually pleasing representation of a sustainable agriculture career and include vital information about the career.</p> <p>See the rubric attached.</p> <p>Use one of the careers highlighted in class or find a list of sustainable agriculture careers at www.agexplorer.com.</p> <p>Ask your teacher if this career is truly tied to sustainable agriculture or research how this career could be sustainable.</p>	<p>Build a Resume based upon a Job Description</p> <p>Create a resume based upon one of the careers that was discussed in class. Be sure to include your qualifications and what makes you a suitable candidate for this occupation.</p> <p>See the rubric attached.</p> <p>Use a template through Microsoft Word or Publisher or even Pinterest to make an easy resume and fill in information that would be needed for the occupation that you are creating the rubric for. Check out Google Resume Builder, as well. This is another free program on-line that can help you to create an eye-catching, crisp, and informative “advertisement” of yourself. Remember, resumes should be one to two pages in length. Professionalism is critical: grammar, punctuation, spelling, format, and how it appears. This is your first impression for an employer.</p>
<p>Create a page of classified ads for various Sustainable Agriculture occupations</p> <p>Create a classified page from a newspaper or on-line advertisement that is loaded with brief job sustainable agriculture jobs that are available.</p> <p>Use the title of the job, location, a brief description, and any other pertinent information about this posting. Create a newspaper-like page using Microsoft applications or create a site with brief advertisements through Weebly or Google Sites. You can make a virtual classified list like Craig’s List that can advertise various sustainable agriculture careers.</p> <p>Include at least 10 careers with information about each and how to contact or inquire about the job that is posted.</p> <p>See the attached example of a classified ad with job postings for horticulture.</p>	<p>Interview for a Sustainable Agriculture job in front of the class.</p> <p>Determine what job you are interested in and prepare yourself for that job interview. Your teacher and classmates will be asking you questions. Your job is to be prepared and act as though you are the qualified individual applying for the position advertised.</p> <p>Answer the job interview questions that are attached to get yourself prepared.</p> <p>Make sure that you have the appropriate qualifications and background that will make you a good candidate for this position. You want to get hired, so turn yourself into the ideal candidate for this position.</p> <p>When you are ready, you will interview in front of the class and they will decide if you are hired. Dress appropriately and act professionally for your big interview.</p>

America's Most Wanted Sustainable Agriculture Career 2.01

Alright partner. Saddle up. You are going to create a Most Wanted poster based on a career that you choose. A couple of things: 1. Must be a sustainable agriculture career (anything dealing with food, fiber and sustainability). 2. No, this does not have to be something that you want to do when you graduate, however, it should be something that you think is cool! Just follow this rubric and you should be on your way to an A.. Yee haw!

AMWAC Poster Rubric	3	2	1
Career Title and General Career Description	Career is easily identified at the top of the poster and is a career in agriculture and natural resources. The overall description includes: salary, job conditions and work environment, education requirements, locations of this job, responsibilities, and also illustrates a clear understanding of this career.	Career is identified on the poster and is a career in agriculture and natural resources. The overall description includes most of the following: salary, job conditions and work environment, education requirements, locations of this job, responsibilities, and illustrates an understanding of this career.	Career is identified on the poster and is a career in agriculture and natural resources. The overall description includes some of the following: salary, job conditions and work environment, education requirements, locations of this job, responsibilities, and illustrates a need for a more in depth understanding of this career.
Photographs and Images	There are at least two images that clearly represent this career and would help someone identify this career if they were looking for it. The photographs and images are printed in color and are sharp, not blurred.	There are at least two images that represent this career and would help someone identify this career if they were looking for it. The photographs and images are printed but may not be in color or are not of good quality.	There is one or more images that represent this career in some manner and could help someone identify this career if they were looking for it. The photographs and images are not of good quality.
Work Cited	There is a clear citation of where to find information that was used for this AMWAC poster.	There is a citation of where to find information that was used for this AMWAC poster.	There is a citation of where to find information that was used for this AMWAC poster but it is not well written or understood.
Professionalism	The poster is neat with few errors. The poster is written in clear and neat ink or it is typed. This is at or above grade level expectations.	The poster is somewhat neat with some errors. The poster is written in clear and neat ink or it is typed. This is what most would consider average work.	The poster has some professional errors or is sloppy. The poster is written and appears to be below grade level work.
English and Grammar	There are no grammatical or spelling errors.	There are few grammatical and spelling errors.	There are several grammatical and spelling errors.
Totals			
Grand Total	/14=		

Resume Rubric 2.01

Traits	4 pts	3 pts	2 pts	1 pts
Function	Audience and purpose of the resume are strong and clear.	Audience and purpose are present but could be stronger.	Audience and purpose are less clear, and weak parts remain.	Audience and purpose are not clear.
Form & content <i>(functional or chronological)</i>	Format of the resume is clear. Each major section includes required information (objective statement, names, dates, locations, etc.).	Format is mostly clear. Each major section includes most of the required information (objective statement, names, dates, locations, etc.).	Format is confusing. Major sections are missing information (objective statement, names, dates, locations, etc.).	Format is hard to see. Major sections are missing information (objective statement, names, dates, locations, etc.).
Effectiveness	Resume shows a very professional appearance, tone, and style.	Resume shows an appropriate appearance, tone, and style. Some inconsistencies remain.	Resume shows a less professional appearance, tone, and style. Several weaknesses need attention or revision.	Resume does not have a professional appearance, tone, or style. Much revision is needed.
Grammar & punctuation	Writer follows all guidelines for spelling, grammar, usage, mechanics, etc. Sentences are strong and have a varied structure.	Writer follows most guidelines, but some sentences are unclear, uneven, or contain errors.	Writer follows some guidelines, but sentences contain multiple errors and are difficult to understand.	Writer has difficulty following guidelines; most sentences contain numerous errors and cannot be understood.

Adapted from ReadWriteThink.org

Sustainable Jobs Classified Ads Example 2.01

Viticulturist Wanted Come join Westbend Wineries! We are looking for viticulturists who are passionate about creating exquisite wines. You must be able to keep records on sugar content, grape types, weights, and other specific details. A master's degree or PhD in viticulture is desired. The salary ranges from \$30,000 to \$65,000 with benefits included. Call us at 336-945-5032.

Agriculture Aviator wanted This job entitles flying airplanes over farmlands at low altitude to spray fields with fertilizers, fungicides, pesticides, and spread seeds over fields. We are up to date on the latest technology allowing for a more accurate position on the target. Most flying is done in highly maneuverable aircrafts at slow speeds The education needed is a high school graduation and four years or more of college. Pilot training is given in military or civilian flight schools, being licensed as a commercial pilot with the FAA (Federal Aviation Administration) including an annual medical certification, as a Pilot applicator with the DPR (Department of Pesticide Regulation), and register annually with the County Ag Commissioner. It requires earning a minimum of 20 hours of continuing education every two years. Apprentice ag pilots spend at least two or more seasons working on the ground while the ag aviation operator evaluates the pilots skills, safe handling of pesticides and concern for the environment. Although the education is taught think of the benefits such as: sick leave, health and dental insurance. The job includes a pay of about \$60,000-\$70,000. Contact us by phone, or the mailing address below. California Agricultural Aircraft Association 2100 Flightline Drive, #3 Lincoln, CA 95648-9443 (916) 645-9747

Grower wanted to work in a nursery for Johnson Nursery Corp. Full-Time position with excellent benefits. Applicant will be responsible for a part of a 75-acre nursery. Will monitor plant quality; oversee a small crew to prune, space, weed, and application of herbicides and pesticides. Applicant should have a Pesticide Applicators License for applicant will be applying pesticides. Will assist with cold protection and if necessary nightly heater checks. Must be willing to work outside. Nursery experience preferred, but the minimum job requirements are horticulture ed., training, and some experience. If interested contact Johnson Nursery Corporation 985 Johnson Nursery Road, Willard, NC 28478 Phone: 800-624-8174 ~ Fax: 910-285-6601

Florist Looking for a florist who has a good knowledge in different types of flowers. Must be enthusiastic and have good people skills. Starting salary \$30,000, matching 401K. Raleigh Florist, Raleigh, NC, (919) 884-9692

Citrus Grower Needed! Sunny Delight Beverages Co. is in need of a motivated and organized citrus grower. Worker will ensure the growth of high-quality oranges for wholesaling to juice and must be knowledgeable in citrus grove production, pest infestations, and chemical techniques. Educational requirements include a two year degree as well as suggested courses in agriculture, horticulture, botany, and agronomy. This job is open to advancement in position despite possible slow growth demand. Annually averaging \$52, 850, citrus growers enjoy time spent in the rural groves, but experience highest demand in Florida. It is imperative that workers have strong people skills in order to effectively handle customer service. If interested in this sunny job please contact Sunny Delight Co. toll free at 1-800-395-5849 or by mail at Sunny Delight Beverages Co. 6000 Creek Road, Cincinnati, Ohio 45242.

Carafe Wine Makers- Enologist needed. Someone who can work well with others and work inside and outside. Needs a 4 year degree and to have taken and passes business classes, had bookkeeping and Microsoft Office experience. Makes around \$83,000 annually. If interested in the job, please contact us (919)518-2883 or www.carafewinemakers.com.

Irrigation Engineer Wanted : Do you want to work in the Agriculture Industry? Do you want to make good money, and have a good time doing it? Then this is the job for you. In this job you will be required to work outside 95% of the time. If you are interested, come on down to Water Works Inc. Your annual income will be around \$60,400. You're qualifications will need to include a 4 year degree, and agricultural experience. Come on down to Water Works Inc. and fill out an application.

Interview Questions, 2.01

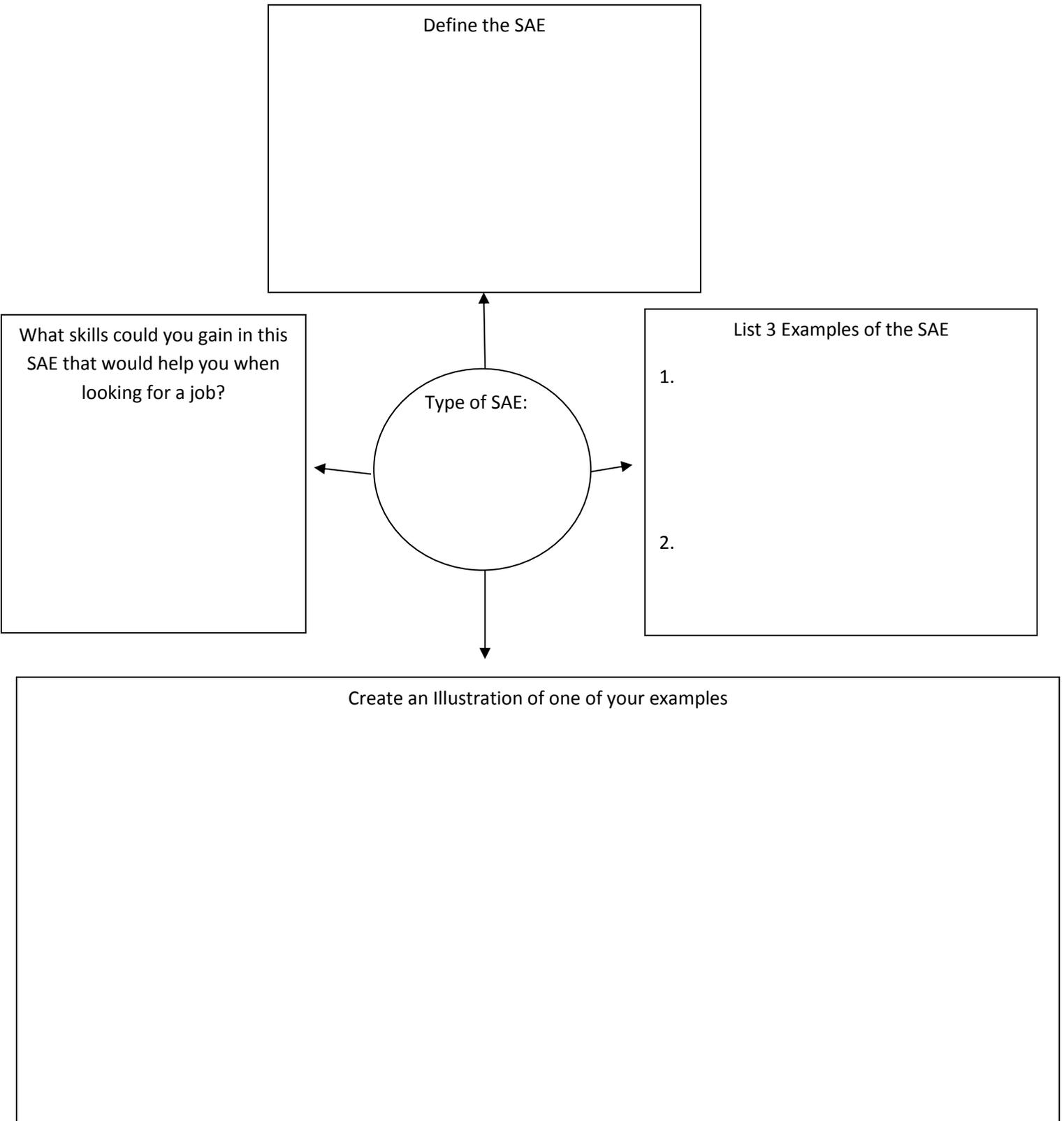
Answer the following questions in complete sentences in a manner just as you would in an actual interview.

1. What can you tell me about yourself? (Highlight aspects relevant to job.)
2. Why did you leave your last position? (Concentrate on desire for future challenges)
3. What are your strengths?
4. What are your weaknesses? (Frame strengths as weaknesses)
5. What were your major accomplishments in each of your jobs?
6. Why are there gaps in your work history? (Tell the truth)
7. Why should I hire you? (Look at skills and accomplishments)
8. What was your relationship with your boss like? (Be honest but tactful)
9. How do you usually get along with your coworkers? (Team player)
10. Describe your work personality. (Be positive)
11. Which job did you like the least? Why? (Don't dwell on money)
12. Which job did you like the most? Why?
13. If you could do things differently, what would you change? (Emphasize something you did well and discuss how it could have even been better)
14. Have you ever been fired? Why? (Answer as positively as possible)
15. What do you want to be doing five years from now? (Answer should highlight some sort of career growth)

Activity 2.02.01

SAE Charts

Students fill in the following chart for each type of SAE:



Activity 2.02.02

SAE Types and Descriptions

SAE Type and Description (use as few words as possible to describe each SAE type)	List examples (list two for each) that YOU could try
Entrepreneurship	
Placement	
Experimental	
Analytical	
Exploratory (includes improvement and supplementary)	

Activity 2.02.03

B	I	N	G	O

Fill in your BINGO board with the following terms. There will be extra. Amount of Items bought or sold, Analytical SAE Definition, Analytical SAE Example, Attending Local Farm Tour, Comparing hand wash methods, Develop a pamphlet on heritage breeds, Entrepreneurship SAE Definition, Entrepreneurship SAE Example, Experimental SAE Definition, Experimental SAE Example, Exploratory SAE Definition, Exploratory SAE Example, Fix an Erosion Problem, Goat Castration, Hypothesis, Improvement SAE Definition, Improvement SAE Example, Placement SAE Definition, Placement SAE Example, Project Log, Raising Chickens to Sell, Supplementary SAE Definition, Supplementary SAE Example, Training Plan Agreement, Volunteer at a Nursery, Work Experience

Activity 2.02.04

Placement Search: Find 5 area agribusinesses (phonebook, online, newspaper) that you could get a paid or unpaid internships (Placement) in your county.

Describe each and why this would be a good or poor match for your SAE.

Name of Business and Contact Information	Description of Agricultural Business and SAE match for you

Activity 2.02.05

SAE and the AET Set-Up Guidelines and Rubric

Directions: The Agriculture Experience Tracker, the AET, is an online system that we will use to track your Supervised Agriculture Experience. The AET can also keep records of your extracurricular activities and FFA involvement. This is great for keeping an accurate resume and for award applications at a later date. If you were in an agriculture class last year, your account is still active and you can use your old login information.

Complete the following checklist in order to receive your grade for the AET system and your SAE. You will be conducting the journal portion of this checklist on a weekly basis. Please note the rubrics and guidelines for each section. You must follow these in order to receive an “A” for your initial and weekly AET/SAE grades.

Part One: Set-up Your AET Profile (Check off each column as you complete)

This is to be completed at the beginning of the semester. This involves the selection of your SAE, after consulting with your parents and teacher, and setting up your profile in our online SAE tracking system.

Check	Item	Rubric
	Before logging on to AET, complete the SAE Plan and submit it to the teacher.	100 points for SAE Plan
	Go to www.theaet.com , Click on Student, Enter the following: Username: firstinitiallastname Example: “jdirt” Password: same as username Chapter Number: (If you had a profile last year, use your previous login info.)	50 points for correct log-in
Click on the Profile Tab. You must complete all links in this tab. Follow the next eight steps in order to complete your profile.		
	Profile Tab: Click on “Manage/Edit your Personal Profile and Password”. -Reset your password. (Write it down somewhere!) -Make sure your name is your legal name. -Upload a profile picture of yourself (no other images are allowed) Demographics (Click the Edit button) -Enter Birthdate. -Enter your high school graduation year. -Enter your shirt size, gender, race, ethnicity, and residence. - VERY IMPORTANT: Click Save. Contact Information (Click the Edit button) -Enter correct mailing address entirely. -Enter home phone and correct email address. -If you have a cell phone, enter it. Also, select your cell phone carrier. <i>This is very important for later.</i>	100 points. 10 points for each component completed.

	<p>-Enter Parent/Guardian Information completely.</p> <p>Mobile Device Setup</p> <p>-If you would like to send photos from your phone to your AET portfolio, then setup a portfolio email address. Make it something easy to remember and click SAVE EMAIL.</p>	
Click on the Profile Tab.		
	<p>Click on “Record your school Ag class schedule”</p> <p>-Click on the “Add Class” button</p> <p>-Locate your class in which you are enrolled for the 2014-2015 school year. Click “add class” on the right side of the screen.</p> <p>-If you are enrolled in more than one agriculture class this semester, be sure to add that class as well.</p>	<p>50 points for recording appropriate class.</p>
Click on the Profile Tab.		
	<p>Click on “Manage your Resume”</p> <p>-Click on the Objective Tab. Enter your personal objective for your graduation from high school. For example, “Objective: To obtain acceptance to a four year university.”</p> <p>Click on the Review/Edit Tab.</p> <p>-Under “Awards and Competition Success”. Enter any and all FFA awards or Career Development Event involvement that you have had during your high school career. If you do not have any, type in today’s date and enter “No prior experience”.</p> <p>-Under “certifications and skills,” enter any special certifications you have or special skills related to agriculture or the environment. If you do not have any, type in today’s date and enter “No prior experience”.</p> <p>-Under “Memberships and Professional Organizations,” enter any special memberships you have in organizations related to agriculture, other than FFA. If you do not have any, type in today’s date and enter “No prior experience”.</p> <p>-Under “Other Accomplishments,” list any extracurricular activities or awards in which you are involved. For example, “2012 St. Pauls High Softball Team Captain” or “2013 Robeson County Junior Fair Board Member.” These accomplishments include anything you have been specially recognized for in your high school career. This could also include special academic awards. If you do not have any, type in today’s date and enter “No prior accomplishments”.</p> <p>-Under the References tab, please enter at least three references and their contact information. References are not to be friends or relatives, but professionals who</p>	<p>100 points total. All sections must have some type of information. The document must be saved.</p>

can testify to your skills and abilities.

- When finished, click on “Generate Resume” at the top of the screen. Open the Microsoft word document when it downloads. Make sure it is correct.
- Under the Supervised Agricultural Experience section of the resume, make sure that all of your prior SAEs are listed. Also, include a two sentence description of each SAE under the title of the SAE. If you do not have any, type in today’s date and enter “No prior experience”.
- When complete, save the resume as “YourNameAETResume”.

Click on the Profile Tab.

Click on “Experience Manager”

- You must know what you want your SAE to be in order to complete this section!
- If you are creating a new SAE, click on “Add New”.
- Enter a name for your SAE. For example, if you are raising chickens you would name it “Poultry Production” or if you are working in the school greenhouse, name it “SPHS Greenhouse Intern.”
- Leave the Level/Focus as “Individual”
- Change the SAE Type. For example, working in the school greenhouses or community garden would be Unpaid Placement.
- Change the Experience Category to one that relates to your SAE. For example, if you are going to work in the greenhouses for your SAE, select “Plant Systems.”
- Select the appropriate subcategory.
- For Entrepreneurship entries, please select the appropriate category/unit.
- Click SAVE!** You should now be back at the Experience Manager Page.
- Click on the Pencil Icon, the “Plan” Icon. You need to visit the **“Description”, “Time Investment” and “Learning Objectives” Tabs**. Under each tab, READ the DIRECTIONS!!! You need to answer each part for that tab. You should have a MINIMUM of FIVE SENTENCES under each of these three tabs. For the Learning objectives tab, you need to list AT LEAST three goals of your SAE.
- Also, in the learning objectives tab, you need to think of a minimum of three major activities (if you have more, include them) that you will do in your SAE and list them. For example, if you have an Entrepreneurial Poultry Production SAE, your three activities might be 1.) Feed and water the chickens, 2.) Collect the eggs, and 3.) Market my business. Title your activities. You will need to use these later.

THIS PART IS VERY IMPORTANT AND WORTH MANY POINTS. YOU MUST ANSWER ALL THREE TABS AND CLICK SAVE.

50 points for creating and setting up your SAE in the Experience Manager.

100 points for completing the SAE Plan. 30 points for completing the “Description”, “Time Investment”, and “Learning Outcomes” Tabs. 10 points for correct spelling and grammar.

****Special Note:** If you were enrolled in agriculture classes prior to this year, but you did not have an AET account prior to now, you must enter records from previous years. See the teacher for special instructions on this matter.

Click Profile Tab.

	<p>Click on “Enter Your FFA Offices”</p> <p>-If you have served in any FFA offices during your high school career, enter the here. If not, leave this section empty and click “Return to AET.”</p>	<p>Extra Credit: 50 extra points for any entries.</p>
	<p>Click Profile Tab. Click on “Enter Your FFA Committee Memberships”</p> <p>-If you have served on an FFA committee, or volunteered at a major St. Pauls FFA event, enter in that committee data on this page.</p> <p>-Examples of previous St. Pauls FFA committees (or major events in which you may have volunteered) on which you may have served:</p> <ul style="list-style-type: none"> ~FFA Banquet Committee ~National FFA Week Committee ~Homecoming Float Committee ~Christmas Float Committee 	<p>Extra Credit: 50 extra points for any entries.</p> <p>If you have not served on any committees, leave this blank and click Return to AET.</p>
	<p>Click Profile Tab: Click on “Choose Your Agriculture Career Pathway”</p> <p>-Read through the career pathways and pick the one that most interests you. If there is more than one, pick as many as apply to you- you must pick something.</p>	<p>50 points for picking at least one pathway</p>
	<p>Click Profile Tab: Click on “Explore Your Educational and Career Interests”</p> <p>-Pick one or more educational areas that interest you- you must pick something.</p>	<p>50 points for at least one area.</p>
	<p>When finished, return back to the profile tab and check over each link.</p>	

Part Two: Weekly Journal and Financial Updates Completed once per week

You will be given a weekly SAE and AET grade throughout the semester on Fridays. You are responsible for completing a journal entry for your time spent on your SAE. You must complete a SAE journal entry each week. You must also upload a minimum of six pictures to AET before your final SAE presentation.

Check	Item	Rubric
	<p>You must upload six pictures of you in your SAE by the end. To upload correctly:</p> <ul style="list-style-type: none"> -Visit your AET Home Page. Click on the Portfolio link on left side of page. -Click upload file. Upload the picture from your computer/smart phone/ipod/etc. -Click edit beside the image. Type a two sentence caption (VERY IMPORTANT) 	<p>Part of your Final SAE Presentation grade</p>

<p>SAE Journal Updates: You must make an SAE Journal entry each week- even if you have not completed any work on your SAE for that week. Journal entries need to describe any time spent on your SAE. This could be even planning SAE activities. If you have not completed any work for your SAE, your entry must say</p> <p>“No hours completed this week.” If you do not have an entry, you will receive a zero for that week. You must complete an entry for each different SAE activity you completed. For example, if you mowed grass and pruned shrubs in your SAE last week, they need to be listed as two different entries.</p> <p>To complete an SAE Journal entry:</p> <ul style="list-style-type: none"> -From your AET Home page, click on the Journal Tab. Click on “Time in your AET Experiences (SAEs)”. -Change the date to the day you completed your hours. If you have not completed any hours for this past week, then leave the date as today. -Select the Experience using the drop down menu if you have multiple SAEs. -Select the “Activity” from the selections provided. Select the one that best fits your activity. -Type in the amount of hours you spent on this particular activity in the “outside class” section. -Type a TWO SENTENCE description of the activity you completed. Check your spelling and use correct grammar. -Upload a picture relating to this activity if you have one available. -For the supervision category, leave it as “None/Unsupervised” unless an agriculture teacher was physically with you during this particular SAE activity. -Click Save. 	<p>100 points per weekly journal entry.</p> <p>Graded on correct entry type. You must provide a two sentence description with correct grammar and spelling.</p>
<p>Other Updates: If you participate in community service or FFA activities throughout the semester, you need to complete a journal entry for these on the Journal tab. Simply complete these throughout the semester.</p>	<p>50 extra credit points per entry.</p>

Part Three: Final SAE and AET Reports and Presentation

Check	Item	Rubric
	<p>Type your Final SAE Paper:</p> <ul style="list-style-type: none"> -Typed in AET under: Profile/DevelopAETExperience/Plan/Learning Outcomes -The paper should be a summary of project and hours...answer these questions for your Final Paper: <ul style="list-style-type: none"> ~ <i>What is the most memorable part of SAE?</i> ~<i>What lessons did you learn?</i> ~<i>If you had to do it over again, what would you do differently?</i> ~<i>If you changed your project, why?</i> 	<p>50 points</p> <p>Proper grammar. Use multiple paragraphs with one idea per paragraph.</p>

	<p>Compile your Final AET Report:</p> <ul style="list-style-type: none">-To Compile: Go to your AET Home Page/ Click Reports/ Click Complete Recordbook Report under FFA/ Click Generate as a PDF/ Save as "YourNameFinalSAERecordbook".	50 points
	<p>Give your Final SAE Presentation in class:</p> <ul style="list-style-type: none">-Ensure that your paper and report are finished.-Make sure that you have a minimum of six pictures with their captions uploaded.-Speak to your class about your SAE, show them your photos, and answer any questions from your teacher concerning your SAE.	100 points

Adapted from Gray's Creek High School.

Activity 2.02.06

Experimental SAE Plan

Student Name: _____

Last

First

Middle

What question will you be asking with your experiment? _____

When conducting your experiment, what manipulations will you be making to try to demonstrate and answer your question? _____

How long will it take for you to conduct your experiment? _____

Expected Start Date ____/____/____ Expected End Date ____/____/____

What supplies will you need for your experiment?

1. _____ Quantity _____
2. _____ Quantity _____
3. _____ Quantity _____
4. _____ Quantity _____
5. _____ Quantity _____
6. _____ Quantity _____
7. _____ Quantity _____

Continue on the back of this paper if need be.

Student Signature _____ Date _____

Teacher/Advisor Signature _____ Date _____

Parent Signature _____ Date _____

Activity 2.02.07

Placement SAE Training Plan

Student Name: _____
Last First Middle

Date of Birth: _____ Phone Number: () _____ - _____
M D Y

Name of Placement (Employer): _____

Name of Supervisor: _____

Employer Address: _____
Street City Zip

Employer Telephone: _____

Starting Date of Employment: __/__/__ Ending Date of Employment: __/__/__

Interview Date: __/__/__

Wages: \$_____/hr

Expectations of Employer: (Date_____)

Expectations of Advisor: (Date_____)

1. Be timely
2. Be courteous
3. Ask questions

Student's Goals for Internship: (Date_____)

1. _____
2. _____
3. _____

Student Signature _____ Date _____

Teacher/Advisor Signature _____ Date _____

Employer Signature _____ Date _____

Parent Signature _____ Date _____