

EZ Records > AET

For AgriScience Research Projects



1S - Research Agreement

Research Agreement: Emerging Ag Technology Project 4 Enterprise

It is agreed by the undersigned that the student, Haley Pfaffe, shall share the income and expenses of this enterprise as planned in this record book.

This agreement is for the time period from Jan/1/2011 to Dec/31/2011.

Income or Credits:

This student shall:

- receive 0.00% of the non-labor income.
- receive 100.00% of the income from showing the project.
- receive 100.00% of labor income.

Expense or Debits:

This student shall:

- pay for 0.00% of all capital expenses.
- pay for 0.00% of all non-capital expenses.
- pay for 0.00% of labor other than own.
- pay 100.00% of the expenses to present the research.
- pay other miscellaneous expenses as follows Not Available.

It is further agreed that the student, with the cooperation of parents and teachers, shall be responsible for keeping accurate and complete records upon which the above sharing of income and expenses shall be based.

*Note: A separate agreement is required for each enterprise.

SAE Plan - Science Fair Test ([PDF Agreement](#))

SAE planning (SAE Agreement) is an important part of the SAE project and should be completed **before** you begin the project. Complete each planning section in **carefully written and grammatically complete sentences**. A complete plan may include a variety of information, but each section offers a basic set of questions to answer.

You may want to also review SAE competencies ([Click here](#)), which are a list of likely skills related to your SAE project. These can also be used in your learning outcomes (last section) of your project plan.

Description

Time Investment

Financial Investment

Capital Investment

Learning Objectives

Estimated Research Expenses (Investment) and Income – This is a summary of the operational expenses and income related to your project. A suggested outline is:

- Sources of funds for the project expenses (Develop all that apply):
 - (The funds I need to invest in my project I was able to obtain from research funding)
- Likely areas of expenses needed to support your project (inventory for resale, feed, seed fertilizer or supplies):
 - (Typical expenses to support my project include purchasing to resale
 - (I also spend money on cost to operate and grow my project.)

Save

Return to AET

Click on the Journal Tab > Click on Experience Manager (create if needed) > Click on the Pencil > Click on the Financial Investment Tab

2S-1 - Research Purpose

[Return to Record Book Main Page](#)

[Return to Agri-Science Enterprise Page](#)

RESEARCH PURPOSE
2S-1

Research Purpose

Research Title:	What temperature is best to store sweet corn to retain the highest concentration of sugar?
Problem Statement:	When sweet corn is picked from the fields it begins to lose its "sweetness" as the sugars are converted to starches. This is a problem for consumers who want to purchase sweet corn and take it home later. The longer the corn sits, the lower the sugar levels and the higher the starch levels. Last year I tested five varieties of sweet corn to see which one stayed the sweetest after it is picked and refrigerated. Peaches and Cream was the sweetest overall so this year I decided to see what temperature is best to keep the corn at so it retains its sugar longer.
Hypothesis:	I believe that the sweet corn will stay the sweetest while kept in the freezer compared to keeping it in the refrigerator and left on a counter.
What prompted the research?	Like any family, mine enjoys eating sweet corn in the summer months. We would like to get the best value for our money when we are buying sweet corn. I got excellent results from my project last year and decided to continue the project further. Some people keep the corn on their counter to let it mature while others put it in the refrigerator. It pretty much depends on how you grew up and what your parents did.
What is the research purpose?	The purpose of this was to let people in my community know what they should do with their sweet corn to keep it sweet. This will help the consumers know what to do with the corn.

Click on the Journal Tab >
Click on Experience Manager >
Click on Pencil > Click on Description Tab

SAE Plan - Science Fair Test (PDF Agreement)

SAE planning (SAE Agreement) is an important part of the SAE project and should be completed **before** you begin the project. Complete each planning section in **carefully written and grammatically complete sentences**. A complete plan may include a variety of information, but each section offers a basic set of questions to answer.

You may want to also review SAE competencies ([Click here](#)), which are a list of likely skills related to your SAE project. These can also be used in your learning outcomes (last section) of your project plan.

Description

Time Investment

Financial Investment

Capital Investment

Learning Objectives

Description and Overview of Your SAE – This is a summary of your research SAE.

A suggested outline is (sometimes referred to as your abstract):

- ü Your interest in this project area:
 - *(I have an interest in __SAE because of... (family, courses taken, career interest, etc.)*
- ü Your research hypothesis:
 - *(In my project I am testing ___ concepts in hopes to learn more about ___ as potential outcomes)*
- ü Your planned procedures:
 - *(My project is planned to start ___ and be completed ___)*
 - *(My steps needed to complete my project start first with ____, next I plan to ____, etc.)*
- ü Who is supervising your project:
 - *(___ is assisting me with my project and helping me through ___)*

2S-2 - Goals & Budget

Return to Record Book Main Page

Return to Agri-Science Enterprise Page

GOALS/BUDGET
2S-2

Expected Income or Credits

	Quantity	Price	Value
Items to be sold or used	0.00	\$0.00	\$0.00
Wages earned	0.00	\$0.00	\$0.00
Items in ending inventory	0.00	\$0.00	\$0.00
Miscellaneous (show, labor, etc.)	0.00	\$0.00	\$0.00
TOTAL INCOME OR CREDITS			\$0.00

Expected Expenses or Debits

	Quantity	Price	Value
Items to be purchased (or received as gifts)	0.00	\$0.00	\$0.00
Items in beginning inventory	0.00	\$0.00	\$0.00
Non-capital expenses	0.00	\$0.00	\$0.00
Labor: (total) 0.00 hours at \$0.00			\$0.00
Capital expenses:			\$0.00
Miscellaneous expenses (show, interest, etc.):			\$0.00
TOTAL EXPENSES OR DEBITS			\$0.00

Profits

PROFITS (EXPECTED INCOME MINUS EXPECTED EXPENSES):	\$0.00
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Income				
Income Type	Estimated Income	Per Unit	Actual Income	Notes/Memo (Optional)
Cash/Market Sale	\$ <input type="text"/>			
Research Funding	\$ <input type="text"/>			
Stock Show Sale	\$ <input type="text"/>			
Rental Income	\$ <input type="text"/>			
Award/Scholarship/Premium	\$ <input type="text"/>			
Non-cash Income - Labor Exchange	\$ <input type="text"/>			
Non-Cash Income - Used at Home	\$ <input type="text"/>			
Non-Cash Income - Bartered or Transferred	\$ <input type="text"/>			
Total Income:	\$0.00	\$0.00	\$0	

Expenses				
Expense Type	Estimated Expense	Per Unit	Actual Expense	Notes/Memo (Optional)
Feed	\$ <input type="text"/>			
Veterinary medicine	\$ <input type="text"/>			
Supplies	\$ <input type="text"/>			
Repairs/maintenance	\$ <input type="text"/>			

Click on the Journal Tab > Click on Experience Manager > Click on \$

3S - Research Plan

There currently is not a corresponding page for 3S Research Plan.

RESEARCH PLAN
3S

[Return to Agri-Science Enterprise Page](#)

Student Information	Research Information
Date of Agreement: <input type="text" value="Jan/1/2011"/>	Research Site:
Student: <input type="text" value="Haley Pfaffe"/>	Address:
Address: <input type="text" value="612 W. Main St. Ashland IL 62612"/>	Telephone:
Telephone: <input type="text" value="217-415-5802"/>	Supervisor:
Work Permit Issued: <input type="text" value="(Date permit issued)"/>	
Project Title: <input type="text" value="What temperature is best to store sweet corn to retain the highest concentration of sugar?"/>	
Check all items that apply to your research.	
<input type="checkbox"/> Human <input type="checkbox"/> Non-human <input type="checkbox"/> Recombinant DNA	
The student agrees to:	
1. Cooperate with the supervisor while engaged in the research as a learning experience, observing all business and safety rules.	
2. Keep records of this work experience.	
3. Other:	
The parent agrees to:	
1. Assist the student in making use of the educational experiences provided.	
2. Other:	
The teacher agrees to:	
1. Advise and support the student as they plan and conduct their agricultural research experience.	
2. Complete the following forms prior to starting any research.	
a. <input type="checkbox"/> Human vertebrate endorsement	
b. <input type="checkbox"/> Non-human vertebrate endorsement	
c. <input type="checkbox"/> Hazardous materials	

4S - Procedure Used

[Return to Record Book Main Page](#)

[Return to Agri-Science Enterprise Page](#)

PROCEDURE USED
4S

Research Title: What temperature is best to store sweet corn to retain the highest concentration of sugar?

Materials Required: Starch, water, 150mL beaker, spectrophotometer, cuvette, 15 cobs of Peaches and Cream sweet corn, knife, mortar & pestle, cheese cloth, filter paper, balance, refrigerator, hot plate, and plastic bags.

There should be a simple, chronological order of the experiment. The explanation must be clear, but detailed enough to allow the procedure to be duplicated.

Procedure	Explanation and materials list
To find the maximum percent transmittance (%T), increase the wavelength by 20nm and record the %T.	
Mix 1g of starch, 100mL of water, and 5 drops of iodine.	
Put that into a cuvette and into the spectrophotometer which will give the maximum %T at 900nm.	
Repeat step 2 with .5g, .25g, and .125g of starch, record the number to give the standard curve line	
Collect 15 cobs of Peaches and Cream sweet corn.	
Cut the cobs in half, put 10 pieces in 3 bags labeled refrigerator, freezer, and room temperature.	
Get one piece from the refrigerator bag and cut one side off of it.	
Squeeze 1g of juice into the cheese cloth and let it drip into 100mL of water.	
Put the beaker on a hot plate and let the liquid boil.	
Put some of the liquid into the cuvette until it reaches the bottom of the square.	
Put the cuvette in the spectrophotometer and record the %T.	
Repeat steps 2-3 with all of the pieces in the refrigerator bag.	
Repeat steps 6-12 with the room temperature and freezer bag.	
Place all three bags in their designated areas for 24 hours and repeat the process for 3 days.	

The AET

The Agricultural Experience

Profile Journal Finances

A-C Central Austin Crowhurst
Chapter Account
Inbox
Calendar
Portfolio
Scoreboard

My Portfolio Experience

Upload File (JPG, DOC, XLS, PDF, PPT):
Choose File No file chosen Upload

The entire student paper can be uploaded into the Student Portfolio. The research paper would include the Procedure Used (Materials/Methods).

5S - Experience

Return to Record Book Main Page

Return to Agri-Science Enterprise Page

EXPERIENCE
5S

Enter wages and other information for each pay period on wage/labor summary.

Date	Activity Performed, Notes, or Observations	Hours Worked		
		Unpaid	Paid	Other
3/21/2011	Worked on Science Fair board and paper	8.00	0.00	0.00
3/26/2011	Regional Science Fair	8.00	0.00	0.00
3/30/2011	*****Total Hours for March*****	16.00	0.00	0.00
5/04/2011	Make changes to paper for State Science Fair	2.00	0.00	0.00
5/07/2011	State Science Fair	12.00	0.00	0.00
5/31/2011	*****Total Hours for May*****	14.00	0.00	0.00

Click on the Journal Tab > Click on Time in Your AET Experiences

Profile Journal Finances Reports

Add/Edit Journal Entry

Date: Category: Experience-related Activity

Experience: ?	(Please Choose) ▾
Activity: ?	▾
Outside Class Hours: ?	<input type="text"/>
Description of Activity: ? Check Spelling	<div style="border: 1px solid gray; height: 80px;"></div>
Pictures: ? <i>(optional)</i>	<input type="text"/> <input type="button" value="Select"/>
Supervision: ?	If your Ag Science Teacher visited/supervised your project for this journal entry, please choose the Teacher. The "description" above should include your teacher's assessment, comments, and recommendations for your project. (None/Unsupervised) ▾
Photos:	

6S - Research Skills, Competencies and Knowledge

[Return to Record Book Main Page](#)

RESEARCH SKILLS, COMPETENCIES AND KNOWLEDGE

6S

[Return to Agri-Science Enterprise Page](#)

List all major skills, competencies and knowledge gained during the completion of research projects.

Date	Skills, Competencies & Knowledge	Student Hours
1/17/2011	I learned how to use a computer to find information.	3.00
3/17/2011	I learned how to prepare a Science Fair board.	2.00
5/06/2011	I learned how to explain my project to a panel of judges effectively.	5.00

Description Time Investment Financial Investment Capital Investment Learning Objectives

Learning and Financial Objectives – What you plan to learn from this project is important, so describe it in this section. You may want to also review SAE competencies ([Click here](#)), which are a list of likely skills related to your SAE project. A suggested outline is:

- ii What you plan to learn from this project:
 - o (In this project I hope to learn about _____, _____, etc.)
- ii Once the project is complete, your experience taught you:
 - o (Now that the project is complete, I feel the outcomes has taught me____, _____, etc.)

Font Name Real...

Click on the Journal Tab > Click on Experience Manager > Click on Pencil > Click on the Learning Objectives Tab

7S - Wage/Labor Summary

[Return to Record Book Main Page](#)

WAGE/LABOR SUMMARY
7S

[Return to Agri-Science Enterprise Page](#)

Date	Employer (or self)	Hours Worked		Gross earnings	Fed. W/H	State W/H	FICA	Other deduct.	Net earnings	edit captions
		Unpaid	Paid							
3/30/2011	Self Hours	16.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
5/31/2011	Self Hours	14.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Totals										
		30.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

Click on Finances Tab > Click on SAE Paycheck

The Agricultural Experience Tracker

Profile Journal **Finances** Reports

New Paycheck

Date	Total Gross Income	Taxes / Withholdings	Expenses	Paycheck Hours
10/12/2016				

Split	Paid Placement Experience	Percent	Gross Income	Memo

Split percentages must total 100%

Save and Return Save / Enter Another Cancel

9S - Receipts

Return to Record Book Main Page

Return to Agri-Science Enterprise Page

RECEIPTS
9S

Date	Total rec.	Detailed description (item and funding source)	Products Sold		[Your Caption]	[Your Caption]	[Your Caption]	[Your Caption]	Misc. rec. (show)	edit captions
			No.	Units						
Totals										
	0.00				0.00	0.00	0.00	0.00	0.00	

For Cash Entries:
 Click on the Finances Tab > Click on SAE Cash Entries
 > Click on \$ Enter Cash Income

For Non-Cash Entries:
 Click on the Finances Tab > Click on SAE Non-Cash
 Entries > Select the proper category

New Income Transaction

Date:	Vendor/Payee:	Total Amount:
10/12/2016		\$0.00

Split:	Experience:	Type:	Amount:	Memo/Efficiency: <small>(Quantity (space) Unit) 1 head, 750 lbs</small>
1	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	
2	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	
3	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	
4	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	
5	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	

11S Cash and Non-Cash Expenses

Return to Record Book main Page

Return to Agri-Science Enterprise Page

CASH AND NONCASH EXPENSES
11S

Date	Total exp.	Detailed description (to whom, what, etc.)	No.	Price/Unit	[Your Caption]	Power & equipment	Misc. exp. (show, int., ins., taxes)	edit captions				
Totals												
	0.00				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

New Expense Transaction

Date:	Vendor/Payee:	Total Amount:
10/12/2016		\$0.00

Split:	Experience:	Type:	Amount:	Memo/Efficiency: <small>(Quantity, {space} Unit) 1 head, 750 lbs</small>
1	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	
2	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	
3	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	
4	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	
5	(Choose Experience) ▼	(Choose Type) ▼	\$ 0.00	

Save and Return Save / Enter Another Cancel

For Cash Expenses:
Click on the Finances Tab > Click on SAE Cash Entries > Click on \$ Enter Cash Expenses

For Non-Cash Expenses:
Click on the Finances Tab > Click on SAE Non-Cash Entries > Select the Appropriate Category

12S - School Instruction / Literature Review

[Return to Record Book Main Page](#)

SCHOOL INSTRUCTION/REVIEW OF LITERATURE
12S

[Return to Agri-Science Enterprise Page](#)

School Instruction in Your Enterprise

School Year	Unit, Job or Position	Class Hours
2011	Agriculture	25
2011	English	15
2011	Math	20
2011	Science	25

Review of Literature

Title/ Resource	Relevance to research
As American as Apple Pie	
Corn Syrup, Fructose, and Glucose - All Are Products of Starch	

Add/Edit Journal Entry

Date:	Category:
10/12/2016 	Course-related Activity ▼

School Instruction:

Click on the Journal Tab > Click on Time In Classroom Activities

Literature Review: The entire student paper can be uploaded into the Student Portfolio. The research paper would include the Literature Review/Works Cited.

13S - Inventory of Non-Depreciable Items

Return to Record Book Main Page

Return to Agri-Science Enterprise Page

INVENTORY OF NON-DEPRECIABLE ITEMS
13S

Item	Start [edit]				End [edit]			
	Quant.	Units*	Price / Unit	Total Value	Quant.	Units	Price / Unit	Total Value
TOTALS				\$0.00				\$0.00
PERCENT STUDENT'S SHARE				0.00% [edit]				0.00% [edit]
STUDENT'S SHARE OF INVENTORY				\$0.00				\$0.00

Total inventory change (end minus start): \$0.00

Student's share of inventory change: \$0.00

* Units can be pounds, tons, head count, boxes, bales or other units appropriate to the item in inventory.

Beginning Values

Beginning Date Liabilities/Loans

This page helps you to establish your beginning items prior to your first day in Ag Education classes. Beginning inventory for future years is automatically calculated.

Make sure to review ALL THE STEPS that apply to you. Your Beginning Inventory transactions from this page will automatically appear in the [Transaction Ledger](#) and in the [Capital Item Manager](#) with the date of your first day in class.

My first day in Agricultural Education classes is:
None Specified.
[Click Here](#) to set up your classes.

This date is determined from the [My Classes](#) screen in your Profile.

Click on the Finances Tab > Click on Beginning Values

14S - Labor and Management Summary

[Return to Record Book Main Page](#)

[Return to Agri-Science Enterprise Page](#)

LABOR AND MANAGEMENT SUMMARY
14S

Receipts	Total	Student's Share
Total gross earnings	\$0.00	\$0.00
Operating receipts	\$0.00	\$0.00
Capital items sold	\$0.00	\$0.00
TOTAL INCOME	\$0.00	\$0.00
Expenses	Total	Student's Share
Show expenses (year-end totals)	\$0.00	\$0.00
Operating expenses (year-end totals)	\$0.00	\$0.00
Capital items purchased	\$0.00	\$0.00
TOTAL EXPENSES	\$0.00	\$0.00
Inventory Change	Total	Student's Share
Non-depreciable inventory change for the year	\$0.00	\$0.00
Capital inventory change	\$0.00	\$0.00
TOTAL INVENTORY CHANGE	\$0.00	\$0.00
Labor & Management Earnings	Total	Student's Share
Labor & management earnings (this enterprise)	\$0.00	\$0.00

Click on the Reports Tab >
Click on Overall Profit/Loss by Year (PDF)

Annual Reports & FFA Apps



 Degree/Application Manager

 Complete Recordbook Report

 Overall Profit/Loss by Year (PDF)

 Balance Sheet by Year (PDF)

15S - Evaluation Factors & Conclusion

Return to Record Book Main Page

Return to Agri-Science Enterprise Page

EVALUATION FACTORS
15S

Agri-Science

Accounted for:	Product Quantity			Remarks (results or explanations)
Number of paid hours	0.00	0.00	0.00	
Number of unpaid hours	30.00	0.00	0.00	
Average hourly rate of pay	\$0.00	\$0.00	\$0.00	
Highest hourly rate of pay	\$0.00	\$0.00	\$0.00	
Average monthly sales	\$0.00	\$0.00	\$0.00	
\$ Expenses / \$100 earned	\$0.00	\$0.00	\$0.00	
	0.00	0.00	0.00	
	0.00	0.00	0.00	
	0.00	0.00	0.00	
	0.00	0.00	0.00	

Conclusion

Draw conclusions from the results of your study and relate them to your original hypothesis.

I stated in my hypothesis that the sweet corn that was kept in the freezer will remain the sweetest compared to the sweet corn left on the counter and the corn left in the refrigerator. The variety I used to test my hypothesis was Peaches & Cream because it proved to be the sweetest last year when I tested the sweetness of different varieties. I predicted that the corn kept in the freezer would be the sweetest because the freezer would lock in the natural sugars and prevent them from being converted into starch. The corn left in the refrigerator will still be sweeter than the corn left on the counter, but will still convert the sugars to starch faster than the corn in the freezer. The results from my experiment proved my hypothesis to be correct. These results will now help consumers know what to do with their sweet corn if they are planning to save it for a later date.

The Agricultural Experience

Profile Journal Finances

A-C Central Austin Crowhurst

Chapter Account

Inbox

Calendar

Portfolio

Scoreboard

My Portfolio Experience

Upload File (JPG, DOC, XLS, PDF, PPT):

Choose File No file chosen Upload

Evaluation Factors: Click on the Reports Tab and Select Proper Category

Conclusions: The entire student paper can be uploaded into the Student Portfolio. The research paper would include the Conclusions.

16S - Abstract

Abstract

Name:	Haley Pfaffe
School (FFA Chapter):	A-C Central
Supervisor:	Jennifer Waters
Advisor:	Jennifer Waters
Project Title:	What temperature is best to store sweet corn to retain the highest concentration of sugar?
Abstract:	<p>In this experiment, I tested the sweet corn variety Peaches & Cream to see what temperature is best to keep sweet corn at so it stays the sweetest. I tested the level of starch in the sweet corn at room temperature, freezer, and in the refrigerator. I hypothesized that the sweet corn would retain its sweetness best in the freezer. First I collected 15 cobs of sweet corn and cut them in half. Then I labeled three Ziploc bags: refrigerator, freezer, and room temperature. I then placed ten pieces of corn in each bag. Next I got one piece of corn from the refrigerator bag and cut one side of kernels off of it. I squeezed the kernels into cheese cloth and let the liquid drip into 100mL of water in a beaker. I then put some of the liquid into the cuvette until it reaches the bottom of the square. I put the cuvette in the spectrophotometer and recorded the %T. I repeated the steps with all the piece of refrigerator corn and then with the bags of freezer corn and room temperature corn. I put the three bags in their designated areas for 24 hours between tests and tested them three additional times. My hypothesis was supported in this experiment. My results show that you should keep your sweet corn in the freezer, followed by the refrigerator, and then room temperature. This experiment will be helpful to the people of my community so they can keep their sweet corn sweeter longer.</p>

The screenshot displays a student portfolio website. At the top left is the logo 'The AET' (The Agricultural Experience). To the right, the text 'The Agricultural Experience' is written in a stylized font. Below this, there are three navigation buttons: 'Profile', 'Journal', and 'Finances'. The main content area is divided into sections. On the left, there is a sidebar with the text 'A-C Central Austin Crowhurst' and a list of links: 'Chapter Account', 'Inbox', 'Calendar', 'Portfolio', and 'Scoreboard'. On the right, there is a section titled 'My Portfolio' with a sub-section 'Experience'. Below this, there is an 'Upload File (JPG, DOC, XLS, PDF, PPT):' section with a 'Choose File' button, the text 'No file chosen', and an 'Upload' button.

The entire student paper can be uploaded into the Student Portfolio. The research paper would include the Abstract.

17S/18S/19S - Endorsements & Waivers

[Return to Record Book Main Page](#) HAZARDOUS MATERIAL WAIVER FORM
195

[Return to Agri-Science Enterprise Page](#)

Name of Student: Haley Pfaffe
Materials Required: Emerging Ag Technology Project 4
Please list below all of the hazardous substances used in this research. Include all safety precautions taken and the proper

[Return to Record Book Main Page](#) NON-HUMAN VERTEBRATE ENDORSEMENT
185

[Return to Agri-Science Enterprise Page](#)

Non-Human Vertebrate Endorsement
These rules are strictly enforced. Students and advisors using non-human vertebrates in their project must complete this form.

[Return to Record Book Main Page](#) HUMAN VERTEBRATE ENDORSEMENT
175

[Return to Agri-Science Enterprise Page](#)

Human Vertebrate Endorsement

Recognizing that human beings are vertebrate animals and yet need different criteria than nonhuman vertebrates, the following policies will govern the use of human beings.

1. No projects involving human cultures of any type (mouth, throat, skin, or otherwise) are allowed. However, tissue cultures purchased from reputable biological supply houses or research facilities are suitable for student use.
2. Projects that involve taste, color, texture, or any other choice are allowed but are limited to preference only. Quantities of normal food and non-alcoholic beverages are limited to normal serving amounts or less. No project may use drugs, food, or beverages in order to measure their effect on a person.
3. The only human blood that may be used is that which is either obtained through a blood bank, hospital, or laboratory. No

These documents are part of the research project and are part of the records but not part of the SAE. They can be uploaded to the Student Portfolio as part of the research paper.

The Agricultural Experience

Profile Journal Finances

My Portfolio Experience

Upload File (JPG, DOC, XLS, PDF, PPT):

Choose File No file chosen Upload

A-C Central
Austin Crowhurst
Chapter Account
Inbox
Calendar
Portfolio
Scoreboard

1-1 - Capital Inventory

[Return to Record Book Main Page](#)

CAPITAL INVENTORY
1-1

Date	Item Description*	Enterprise	Capital Items purchased (col. 1)	Capital Items sold (col. 2)	Money Borrowed (col. 3)	Principal payments (col. 4)
Totals by Enterprise						

* Animal identification number (tag number, tattoo, EID, etc.)

Click on the Finances Tab > Click on Beginning Values > Click on the Capital Item Manager link

Beginning Values

[Beginning Date](#) [Liabilities/Loans](#)

This page helps you to establish your beginning items prior to your first day in Ag Education classes. Beginning inventory for future years is automatically calculated.

Make sure to review ALL THE STEPS that apply to you. Your Beginning Inventory transactions from this page will automatically appear in the [Transaction Ledger](#) and in the [Capital Item Manager](#) with the date of your first day in class.

My first day in Agricultural Education classes is:

None Specified.

[Click Here](#) to set up your classes.

This date is determined from the [My Classes](#) screen in your Profile.

1-2 - Misc. Income

[Return to Record Book Main Page](#)

MISC. INCOME
1-2

Date	Item Description	Total	Ag. not related to SAE	Gifts & unearned income	Non-Ag.
Grand Total					
		\$0.00	\$0.00	\$0.00	\$0.00

Click on the Finances Tab > Click on Non-SAE Entries

Add/Edit Non-Experience Income/Expense

Date:	Vendor or Payee:	Amount/Value:
10/12/2016	<input type="text"/>	<input type="text"/>

Transaction Type:	Memo:
<ul style="list-style-type: none"><input checked="" type="radio"/> Personal Expenses<input type="radio"/> Educational Expenses<input type="radio"/> Non-SAE Ag-related Earnings (cash)<input type="radio"/> Non-Ag Earnings<input type="radio"/> Unearned Income/Gift<input type="radio"/> Buy Bonds, Stocks, and Life Insurance<input type="radio"/> Sell Bonds, Stocks, and Life Insurance<input type="radio"/> Buy Current Non-productive Personal Asset<input type="radio"/> Sell Current Non-productive Personal Asset	<input type="text"/>

Save

Cancel

1-3 - Personal Expenses

[Return to Record Book Main Page](#)

PERSONAL EXPENSES

1-3

Click on the Finances Tab >
Click on Non-SAE Entries

Date	To whom	Item Description	Expense	
Grand Total				\$0.00

Add/Edit Non-Experience Income/Expense

Date:	Vendor or Payee:	Amount/Value:
10/12/2016	<input type="text"/>	<input type="text"/>

Transaction Type:	Memo:
<ul style="list-style-type: none"><input checked="" type="radio"/> Personal Expenses<input type="radio"/> Educational Expenses<input type="radio"/> Non-SAE Ag-related Earnings (cash)<input type="radio"/> Non-Ag Earnings<input type="radio"/> Unearned Income/Gift<input type="radio"/> Buy Bonds, Stocks, and Life Insurance<input type="radio"/> Sell Bonds, Stocks, and Life Insurance<input type="radio"/> Buy Current Non-productive Personal Asset<input type="radio"/> Sell Current Non-productive Personal Asset	<input type="text"/>

Save

Cancel

3 - Depreciation Schedule

[Return to Record Book Main Page](#)

DEPRECIATION SCHEDULE

3

Date Acq'd	Item Desc. (kind, type, model, size, etc.)	Cost Information			Depreciation Information			Start of Year		End of Year		
		N or U	Remain. Value of Trade-in	Cash diff. paid	Total Cost Basis (\$)	Salvage Value	Balance for Reg. Depr.	Life	Meth.	Prior Depr. Taken	Remain. Book Value	Depr. This Year
Totals												
Grand Total												
			0	0	0	0	0		0	0	0	0

Click on the Finances Tab > Click on Non-Current Items > Click Add New

Non-Current (Capital) Item Manager

Inventory Sold Items

Add New

Return to AET

There are no existing capital items. Click "Add New" to create one.

4 & 5 - Income & Expense Summary

[Return to Record Book Main Page](#)

INCOME & EXPENSE SUMMARY/ ENTREPRENEURIAL SAE

4

Income	Agri-Science	Animal	Business	Crop
Ending Inventory	\$0.00	\$0.00	\$0.00	\$0.00
Remaining Book Value at End of Year	\$0.00	\$0.00	\$0.00	\$0.00
Sales of Animals & Products		\$0.00		
Sales of Crops				\$0.00
Sales of Merch. & Services			\$0.00	
Sales of Products & Services	\$0.00			
Capital Items Sold	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL INCOME	\$0.00	\$0.00	\$0.00	\$0.00
Expenses	Agri-Science	Animal	Business	Crop

[Return to Record Book Main Page](#)

INCOME & EXPENSE SUMMARY/ WAGE EARNING SAE

5

Record Year	Job Title or Type of Work	Total Hours Worked			Gross Earnings	Total Expenses	Net Earnings
		Unpaid	Paid	Total			
2011	Ag Education	0	24	24	\$192.00	\$0.00	\$192.00
2011	Ag Processing	0	25	25	\$200.00	\$0.00	\$200.00
2011	Forage Production Placement	0	125	125	\$1000.00	\$0.00	\$1000.00
2011	Home & Community Development	0	120	120	\$1080.00	\$0.00	\$1080.00
2011	Turf Grass Management	0	52	52	\$416.00	\$0.00	\$416.00
Totals		0	346	346	\$2888.00	\$0.00	\$2888.00

Click on the Reports Tab and Select the Appropriate Category

Annual Reports & FFA Apps



Degree/Application Manager



Complete Recordbook Report



Overall Profit/Loss by Year (PDF)



Balance Sheet by Year (PDF)



Report of Capital Items (HTML)

6-1 - Financial Statement - Summary of Assets

[Return to Record Book Main Page](#)

FINANCIAL STATEMENT - SUMMARY OF ASSETS

6-1

Assets

Current/Operating Assets	1/1/2011	12/31/2011
Cash on hand, checking	\$450.00	\$450.00
Savings	\$3,200.00	\$6,276.00
Bonds (cash value)	\$1,500.00	\$1,500.00
Stocks (cash value)	\$0.00	\$0.00
Life Insurance (cash value)	\$0.00	\$0.00
Notes and accounts receivable	\$0.00	\$0.00

Current Operating Inventory	1/1/2011	12/31/2011

Other Current Assets	1/1/2011	12/31/2011

Resale Items	1/1/2011	12/31/2011

Market Animals	1/1/2011	12/31/2011

Personal Current Assets	1/1/2011	12/31/2011

Total Current/Operating Assets

	1/1/2011	12/31/2011

Non-Current Capital Assets

Non-Current Capital Assets	1/1/2011	12/31/2011
Non-Current Capital Inventory	\$0.00	\$0.00
Non-Depreciable		
Horses	\$0.00	\$0.00
Breeding animals	\$0.00	\$0.00
Poultry	\$0.00	\$0.00
Depreciable		
Horses	\$0.00	\$0.00
Breeding Animals	\$0.00	\$0.00

Depreciable	1/1/2011	12/31/2011

Total Non-Current Capital Assets

	1/1/2011	12/31/2011
Non-Current Capital Assets	\$0.00	\$0.00

Personal Non-Productive Non-Current/Capital Inventory

Personal Non-Productive Non-Current/Capital Inventory	1/1/2011	12/31/2011

Cash/Bonds/Insurance:

Click on the Finances Tab > Click on Non-SAE Entries

Non-Current Capital Assets:

Click on the Finances Tab > Click on Non-Current Items

Personal Non-Productive

Non-Current/Capital Inventory:

Click on the Finances Tab > Click on Non-SAE Entries

6-2 - Financial Statement - Summary of Liabilities

[Return to Record Book Main Page](#)

FINANCIAL STATEMENT - SUMMARY OF LIABILITIES 6-2

Liabilities

Current/Operating Liabilities			
	1/1/2011	12/31/2011	
Total Current/Operating Liabilities	\$0.00	\$0.00	
Non-Current/Capital Liabilities			
	1/1/2011	12/31/2011	
Notes and Chattel Mortgages Due (minus current portion)	\$0.00	\$0.00	
Real Estate Mortgages and Contracts (minus current portion)	\$0.00	\$0.00	
Other Notes and Liabilities			
	1/1/2011	12/31/2011	
Total Non-Current/Operating Liabilities	\$0.00	\$0.00	

Total Liabilities

	1/1/2011	12/31/2011
Total Liabilities	\$0.00	\$0.00

Net Worth

	1/1/2011	12/31/2011
Net Worth	\$6,150.00	\$11,226.00
Change in Net Worth		\$5,076.00

To Enter an Existing Loan:

Click on the Finances Tab > Click on Beginning Values > Click on Liabilities/Loans\

To Add Additional Loans or Payments:

Click on the Finances Tab > Click on Loan Manager

7 - Narrative

[Return to Record Book Main Page](#)

NARRATIVE
7

Briefly describe your activities summarized in this record book. Emphasize anything not covered in other parts of your records. Include a summary of your major achievements. Include career possibilities that were revealed through this experience program.

Emerging Ag Technology 4

For my project this year, I tested to see what temperature is best to store sweet corn at to retain the highest concentration of sugar. Next year I will be attending Western Illinois University in Macomb, IL with a major in Agriculture Science. I will be able to use the skills I have learned through science fair in my future.

Click on the Journal Tab > Click on Experience Manager > Click on the Pencil > Click on the Description Tab

Description

Time Investment

Financial Investment

Capital Investment

Learning Objectives

Description and Overview of Your SAE – This is a summary of your research SAE. A suggested outline is (sometimes referred to as your abstract):

- ü Your interest in this project area:
 - o *(I have an interest in __SAE because of... (family, courses taken, career interest, etc.)*
- ü Your research hypothesis:
 - o *(In my project I am testing ____ concepts in hopes to learn more about ____ as potential outcomes)*
- ü Your planned procedures:
 - o *(My project is planned to start ____ and be completed ____)*
 - o *(My steps needed to complete my project start first with ____, next I plan to ____, etc.)*
- ü Who is supervising your project:
 - o *(____ is assisting me with my project and helping me through ____)*

8-1- Skills & Tasks Learned / 8-2 Safety Activities

[Return to Record Book Main Page](#)

SAFETY ACTIVITIES 8-2

Date	Safety Activity	Comments
1/07/2011	Wore Proper Clothing	I wear long sleeves and jeans while I mow to avoid cuts on my skin. While doing construction I wear long sleeves to protect from sunburn.
1/07/2011	Wore Ear Protection	I wear headphones when I am mowing to keep myself from suffering hearing loss.
1/07/2011	Wore Safety Glasses	It is important to protect your eyes when doing an experiment in a lab. I also wear safety glasses while I am doing construction and when I mow.
1/07/2011	Proper Lab Safety	When working in the lab, it is important to keep your station clean and free of distractions.

Click on the Journal Tab > Click on Experience Manager > Click on the Pencil > Click on the Learning Objectives Tab

[Return to Record Book Main Page](#)

SKILLS & TASKS LEARNED 8-1

Name of Skill or Task	Date Completed	Comments
Using a tape measure	2011	I use a tape measure often to square things off or line things up.
Painting	2011	I have to paint carefully around the trim of the walls so that the paint goes where I want it to.
Proper Mowing Height	2011	I left 1/3 of the grass behind so that the grass does not die.
Communication Skills	2011	I had to communicate with my employers on a regular basis.

9 - Show Record

[Return to Record Book Main Page](#)

SHOW RECORD
9

This form should be used for all Fair or Show entries.

Date	Name of Show or Fair	Class or Event	Item	Placing	
.....					

Experience:

Click on the Journal Tab > Click on Time in AET Experiences

Financial:

Click on the Finances Tab > Click on SAE Cash Entries > Enter Cash Income (for premiums) OR Enter Cash Expense (for entry fees)

10 - FFA Leadership & Participation

[Return to Record Book Main Page](#)

FFA LEADERSHIP & PARTICIPATION
10

Degrees

Degree Received	Date
Greenhand	May 16, 2008
Chapter FFA Degree	May 21, 2009
State FFA Degree	Jun 16, 2011
American FFA Degree	No Date Entered

Leadership Activities

Year	FFA Offices Held	Award	Committee	Chapter	Section	State	National
2010	President			X			

Participation

Year	Team	Chapter	Section	District	State	National
2011	Proficiency Awards - Home & Community Development	1st	1st	2nd		

Participation:

Click on the Journal Tab > Click on Time in Competition Activities

Degrees:

Click on Profile > Click on Manage Your Resume Information > Enter Under Other Accomplishments

Leadership Activities:

Offices -

Click on Profile > Enter Your FFA Offices AND Click on the Journal Tab > Click on Time in FFA Office (to record time spent on officer duties)

Committees -

Click on Profile > Enter Your FFA Committee Memberships AND Click on the Journal Tab > Click on Time in FFA Committees

11 - Other FFA Activities

[Return to Record Book Main Page](#)

OTHER FFA ACTIVITIES 11

Date	Activity	Cost	
2-10-2011	News Channel 20 Interview	\$0.00	
3-4-2011	Women in Agriculture Conference	\$0.00	
3-9-2011	Agriculture Legislative Day	\$0.00	
3-11-2011	John Deere Field Trip	\$0.00	
Total			

Click on the Journal Tab > Click on Time in Other FFA Activities

Add/Edit Journal Entry

Date:	Category:
<input type="text" value="11/10/2016"/>	Other FFA-related Activity

Activity:	<input type="text"/>
Type:	(Please Choose)
Level:	(Please Choose)
Description / Awards: Check Spelling	<input type="text"/>
In Class:	0

12 - Leadership Outside FFA

[Return to Record Book Main Page](#)

LEADERSHIP OUTSIDE FFA
12

Include school, church, athletics, 4-H, etc. List community service activities in the first few lines.

Date	Activity	
1/06/2011	STAR	
1/06/2011	Student Council	

Click on the Journal Tab > Click on Time in Your Community Service Activities (Select Personal NonAg Activity)

AND

Click on the Profile Tab > Click on Manage Your Resume Information > Add any Memberships and Professional Organizations

5 -

For More Information on AET Research SAEs Visit:

<http://learn.theaet.com/F/learn/Students/9-28-15%20Managing%20Research%20Projects.pdf>