AET – Breeding & Market Livestock

Case Study Details and Beginning Information:

(Part 1) This student is a livestock breeding and related market livestock student that comes into agricultural education with beginning inventory of breeding animals, equipment and other supplies that will be used to care for the livestock (feed, veterinary medicine).

The students begin ag education in September of 2017 and needs to establish their record book and catch up their financial entries. They have records of their beginning items and general information about their entries to catch them up to October 1 of 2019.

In talking with the student, it is determined that the student has the following enterprises that will be developed into SAE or AET Experiences so they can keep records and effectively evaluate their SAE projects. The following projects are identified:

- Breeding Cattle SAE project that begins in 2017 and has entries that go into 2018 and 2019
- Show Steers planned to be sold at the end of 2018 (2 head)

The student also has involvement in FFA leadership, FFA activities and community service events from 2017 at their start of ag education. Enter the following information:

Step 1: Log in as a student and develop important PROFILE information:

A. Login and getting start important PROFILE sections
   a. Go to www.theaet.com and choose student login
   b. Username: USE YOUR EOnlinesae__ account
   c. Password: USE YOUR EOnlinesae__ account
   d. Manage/Edit your personal information and enter demographic information with main content of graduation <u>Year 2021</u>, save
   e. Choose to add your (make sure to have these courses added)
      i. First ag class of Animal Systems starting **August 15, 2017**
      ii. Second ag class of Ag Mechanics starting **August 15, 2018**
      iii. Third ag class of Agribusiness starting **August 1, 2019**
   f. Choose and enter new office as Chapter Reporter / Beginning Date 09/15/2018 to 08/31/2019
   g. Choose AET Experience Manager to develop the following SAE projects (Choose logical Information and <u>use related livestock managers</u>)
      i. Breeding Cattle / Individual / Registered Breeding Cattle
      ii. Show Steers 2018 / Individual / Market Cattle
   h. Develop SAE plans for each project using the following information:

<u>Breeding Cattle SAE Plan (add your own details to complete)</u>

   SAE Description – Copy/paste your prompt to complete the plan

   Time – Copy/paste your prompt to complete the plan

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Financial Investment – Copy/paste your prompt to complete the plan

Learning Objectives – Choose **three skills** from the AFNR web and then explain how you plan on achieving these skills in the "Planned Activities" box:

Skill: AS.03.02 Analyze feed rations and assess if they meet the nutritional needs of animals. **Planned Activities**: I plan on learning the different feed rations will benefit my breeding herd by visiting with the sale rep at our local feed store. My hope is to learn more different components of feed like proteins.

CRP.02.02 Use strategic thinking to connect and apply technical concepts to solve problems in the workplace and community. **Planned Activity**: I plan to use the knowledge I gain in my Animal Systems class to help me with real life situations that arise with my breeding beef SAE.

AS.04.01 Evaluate animals for breeding readiness and soundness. **Planned Activity:** I plan on identifying the best animals to keep in my herd for breeding purposes based on soundness and other physical traits that I have learned are good breeding characteristics.

Show Steers 2018 SAE Plan (Add your own details to complete)

*Same as above plan, geared towards Market Steers versus Breeding Beef. Each SAE needs a plan, use the concepts in the Breeding Cattle plan to develop your plan for this SAE. Be sure to choose your three skills.

This could be an assignment to the student to begin their records by developing a complete PROFILE, which includes the names and plans for their SAE projects.

Step 2: Enter Financial Information in the FINANCES section:

Information related to this section is the student providing a list of items owned or purchased prior to agricultural education that planned to be used in their SAE project. Also, the student has personal records of transaction and related dates to complete entries after starting agricultural education. Once the student started agriculture, they also purchased a used livestock trailer.

A. Enter beginning items used in SAE projects:

- First Day of Class – 08/15/2017 (Review)
- Current Inventory (Items used in production on hand before first ag class)
  - Bens Feed / Breeding Cattle / Feed / $200 / 600 lbs.
  - Steers R Us / Show Steer 2018 / Inv. Purchased for Resale / $4,000 / 2 head, show steer
  - Bens Feed / Show Steer 2018 / Feed / $400 / 800 lbs.
  - Vet Supply / Breeding Cattle / Vet Medicine / $50

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- Non-Current Items (Long-term and high cost items)
  - 2008 Stock Trailer / Machinery & Eq. / 10 yr. / Cost $5,500 / Salvage $4,500
  - Show Supplies / Machinery & Eq. / 5 yr. / Cost $400 / Salvage $200
  - 114 Cow / Breeding Livestock – Depr. / 5 yr. / Cost $2,400 / Salvage $2,200
  - 128 Cow / Breeding Livestock – Depr. / 5 yr. / Cost $2,400 / Salvage $2,200
  - 145 Cow / Breeding Livestock – Depr. / 5 yr./Cost $2,900 / Salvage $2,500
- Liabilities: $0 None
- Cash On Hand $4,000

Review the asset values listed on the balance sheet. Since these are livetsock projects using the livestock managers, use the management modules for the remaining entries.

B. Enter the financial entries for Show Steer 2018

1. Develop financial entries in the Market Manager (Show Steer 2018)

a. Select "Market Manager" and select Show Steer 2018 * Review beginning value and details, select "edit" to update.

b. New Cash expenses

Date	Vendor	Experience	Type	$	Memo
09/15/17	Ace	Show steer 2018	Supplies	$85	Wormer
12/25/17	Bens Feed	Show steer 2018	Feed	$400	1000 lbs.

c. Report Non-cash exchange labor

Date	Value	Income Experience	Experience	Type
11/1/17	$100	Show steer 2018	Show steer 18	Barn Rent

d. Enter Sales of livestock

Date	Vendor	Experience	Type	$
3/5/18	Truck guy	Show steer 2018	Market	$5,500
4/1/18	Sale barn	Show Steer 2018	Market	$1,500

2. Record your Time in your AET Experience (SAE)

Date	Time	Experience	Skill	Description
8/15/17	1 hour	Show steer 2018	FND.A1.05	Developed my SAE Plan
9/30/17	7 hours	Show Steer 2018	AS.03.02, AS.03.01	Took care of my animals for the week
10/15/17	7 hours	Show Steer 2018	AS.03.02, AS.03.01	Took care of my animals for the week

3. Annual Review and closing the SAE project:

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a. 📋❌Annual Review, which is a summary of skills learned and responsibilities for each year:

2017	In this project, I raised these steers from my herd as a beginning item and skills gained included animal selection, nutrition and animal health. I was successful with one winning a major show. I plan to invest these funds to increase my cattle herd

*Enter values for each year. The focus is a summary of the SAE, skills gained and responsibilities. You will also see a box for 2018!

b. Select "inactive" ⏻ to close this project

This project is now complete, and using the manager allows for a complete review and illustrates the project is closed.

C. Enter the financial entries for Breeding Cattle SAE (2017-present)

1. Develop financial entries using the Breeding Herd Manager 🐂 and choose Breeding Cattle

a. <u>Connect</u> non-current breeding animals to the SAE Project by "**dragging**" to "Dams in the Herd" – look for "---------"at the bottom of the heading before dropping.

b. Record financial activities to manage the breeding animals by "Manage Breeding Animals":

Expenses

Date	Vendor	Experience	Type	$	Memo
09/15/17	Ace	Breeding Cattle	Supplies	$185	Wormer
11/15/17	Bens	Breeding Cattle	Feed	$800	1500 lbs.
		Breeding Cattle	Repairs	$220	Repairs
3/15/18	Ace	Breeding Cattle	Feed	$1000	2000 lbs.
9/1/18	Vet	Breeding Cattle	Vet Med	$250	Wormer and vaccine.
10/1/18	Ace	Breeding Cattle	repairs	$190	Barn repairs
12/1/1	Loris Ranch	Breeding Cattle	Feed	$1000	1500 lbs.

c. Record new offspring & "Manage Offspring"

a. New offspring –

Tag/Name	Date	Ave. Weight	Gender	Sire
114 to A114	4/1/18	55 lbs.	1 male	Big Daddy
128 to A128	4/1/18	55 lbs.	1 male	Big Daddy
145 to A145	4/5/18	55 lbs.	1 female	Big Daddy

The cost of caring for the breeding cattle and other expenses relate to the cost of the offspring, which can be reviewed in the manager. Review the cost before selling offspring. What is the final cost of the one remaining?

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b. Record weaning and selling of offspring:

Tag/Name	Date	Ave. Weight	Transaction	$ / To:
A114	9/15/18	490 lbs.	Market sale	$1,250 Thomson's
A128	9/1/18	540 lbs.	Market sale	$1,250 Murphy's
A145	Not sold Yet	---	---	---

2. Record your Time in your AET Experience (SAE)

Date	Time	Experience	Skill	Description
8/15/17	1 hour	Breeding Cattle	FND.A1.05	Developed my SAE Plan
9/30/17	7 hours	Breeding Cattle	AS.03.02, AS.03.01	Took care of my animals for the week
10/15/17	2 hours	Breeding Cattle	ABS.02.01	Maintaining my financial records from what I learned in class

*Journaling should be done weekly to keep records current and up to date.

3. Annual Review and closing the SAE project:

a. Annual Review, which is a summary of skills learned and responsibilities for each year:

2017	3 head	This was my beginning year and only 5 months of operations. I am beginning to learn about management of breeding animals and weaning calves.
2018	3 head	This is my second year of operation and all three of my cows had calves and 100% weaning. I plan to sell my calves as show stock and added to my skill set livestock evaluation. I am currently holding one calf on the cow to make my decision this year.

*Enter values for each year. The focus is a summary of the SAE, skills gained and responsibilities.

Step 3 – Manage or Purchase New Non-Current Items (Capital Items Manager):

a. Record the purchase of used livestock trailer using the capital item manager.

Date	Type	Description	Cost	Life	Salvage
10/1/17	Machinery	2010 livestock trailer	$2500	10 yrs.	$1500

b. Manage Capital Items (Non-current) annual usage for all related SAE projects across all years (higher % to breeding cattle SAE, but allocate all items "**usage**" for all years. Use the capital item manager and develop % for each active project each year.

Step 4 – Record photos and captions of SAEs activities in action:

a. Enter photos and captions using "portfolio" on the left side menu…
b. Select related photos for each SAE (2 photos each)

c. Captions are required in order for photos to show up

Case Study Details Continuing:

(Part 2) This student is continuing the previous case study. This also adds new 2018 steers purchased for shows that are in 2019.

These entries also represent the student retaining the heifer that was born to raise and compete in some stock shows. The heifer becomes a show heifer and a later decision is made to retain the heifer an expand the breeding beef herd likely in 2019.

This example also continues to enter records for the breeding beef herd with new calves born and a decision made to retain the calves for a new project.

Step 1: Log in as a student and develop important PROFILE information:

Choose 🏺🐖 AET Experience Manager to develop the following **NEW** SAE projects that relate to his scenario (Choose logical Information and use related livestock managers)

   i. Show Steers 2019 / Ind/ Show animal
   ii. Show Heifers / Individual / Show animal

i. Develop SAE plans for each project using the ✏️ following information:

(1) Show Steers 2019 SAE Plan (Copy from the previous show steers, BUT ADD your own details to complete)

(2) Show Heifers SAE Plan (ADD your own details to complete)

Step 2: Enter Financial Information in the FINANCES section:

A. Enter the financial entries for Show Steer 2019

1. Develop financial entries in the Market Manager (Show Steer 2019)

a. Select "Market Manager" and select Show Steer 2019

b. Select "Buy New Animal" and record:

Date	Vendor	Split	Type	$	Details
08/15/18	Show Steers R Us	1.	Inventory for Resale	$4000	1 head / 800 lbs.
		2.	Inventory for Resale	$3000	1 head / 800 lbs.

b. New Cash expenses

Date	Vendor	Experience	Type	$	Memo
08/15/18	Bens Feed	Show steer	Feed	$250	1000 lbs.

9/25/18	Bens Feed	Show steer	Feed	$250	1000 lbs.
		Show Steer	Vet	$50	Health ck
		Show Steer	repairs	$200	Pen repairs
12/1/18	Bens Feed	Show Steer	Feed	$300	1000 lbs.
		Show steer	Supplies	$100	Misc. items
1/15/19	Bens Feed	Show Steer	Feed	$280	800 lbs.
		Show steer	Supplies	$100	Misc. items

c. Report Non-cash exchange labor

Date	Value	Income Experience	Experience	Type
12/1/18	$100	Show steer	Show steer	Barn Rent

d. Enter Sales of livestock

Date	Vendor	Experience	Type	$
3/10/19	Truck guy	Show steer	Market	$6,500
3/15/19	Sale barn	Show Steer	Market	$1,800

e. Annual Review and closing the SAE project:

Annual Review, which is a summary of skills learned and responsibilities for each year:

2018	In this project, I started this project (you develop skills likely learned) ….
2019	A summary of what happened and growth in skills….

*Enter values for each year. The focus is a summary of the SAE, skills gained and responsibilities.

f. Select "inactive" 🔵 to close this project

This project is now complete, and using the manager allows for a complete review and illustrates the project is closed.

B. Managing the New raised heifer Entries:

This project starts off from not buying a new animal, but rather reporting that we raised our own show heifer. The project is created, but the entries to record the project are:

1. Obtain the heifer from the Breeding Manager (Not sold from 2017)

a. Select "**Breeding Manager**" and **Manage Off-Spring**

b. Select "sell info" for the one remaining calf. Review investment cost. Market value of a good heifer is nearly equal, so the value of $_____ is used in the transfer

c. Choose transfer and enter:

Date	Value	Income SAE	Expense SAE	Memo
09/15/18	$_____	Breeding Cattle	Show Heifer 15'	600 lbs.

b. New Cash expenses

Date	Vendor	Experience	Type	$	Memo

9/25/18	Bens Feed	Show Heifer	Feed	$150	500 lbs.
		Show Heifer	Vet	$50	Health ck
2/15/19	Bens Feed	Show Heifer	Feed	$200	550 lbs.
		Show Heifer	Supplies	$100	Misc. items

c. Report Non-cash exchange labor

Date	Value	Income Experience	Experience	Type
12/1/18	$100	Show Heifer	Show steer	Barn Rent

d. Enter Sales of livestock – Transfer to Capital (shows the change to a breeding animal – Non-Current items)

Date	Value	Weight
3/10/19	$1500	1550

e. Annual Review and closing the SAE project:

Annual Review, which is a summary of skills learned and responsibilities for each year:

*Enter values for each year. The focus is a summary of the SAE, skills gained and responsibilities.

C. Enter the financial entries for Breeding Cattle SAE

1. Develop financial entries using the Breeding Herd Manager and choose Breeding Cattle

a. Already have the breeding cattle connected to the SAE …so just move to the next step

b. Record financial activities to manage the breeding animals by "Manage Breeding Animals":

Expenses

Date	Vendor	Experience	Type	$	Memo
10/1/19	Hay man	Breeding Cattle	Feed	$1500	15 round rolls

c. Record new offspring & "Manage Offspring": New offspring –

Tag/Name	Date	Ave. Weight	Gender	Sire
114 to B114	4/1/19	35 lbs.	1 male	Big Daddy
128 to B128	4/1/19	35 lbs.	1 male	Big Daddy
145 to B145	4/5/19	35 lbs.	1 Male	Big Daddy

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The cost of caring for the breeding cattle and other expenses relate to the cost of the offspring, which can be reviewed in the manager. Not yet weaned in this example…. we will consider how to handle the animals for next week (sell or retain)

 Annual Review and closing the SAE project:

Annual Review, which is a summary of skills learned and responsibilities for each year:

2018	3 head	Same as last example….
2019	3 head	This is my third year of operation …develop your own skills ….

Step 3 – Record photos and captions of SAEs activities in action:

   a. Enter photos and captions using "portfolio" on the left side menu…
   b. Select related photos for each SAE (2 photos each)