SAE Projects

 GUIDELINES:

1. Must relate to agriculture
2. Must be done outside of school for at least 15 hours during the year from Jan 1-Dec 31
3. Must log hours and complete the SAE record Books @http://www.paffa.state.pa.us/files.htm
4. Must take pictures during the SAE Project
5. IDEAS
6. *Start your own business*

example: build and sell bird feeders, make and sell corsages, plant and sell blueberries, etc.

*Product:* a. Develop a business plan- What are you going to sell? How are you going to get started? What is your timeline for completion of each step? How are you going to market your product? Who is your target market?

 b. Explain how your business has grown and developed.

1. *Conduct an Experiment*

examples: research plant fertilizers, alternative fuels, etc.

*Product:*

1. Hypothesis – What do you expect to find out doing this experiment?
2. List of supplies needed.
3. Keep a journal/log of the experiment data and results.
4. Results – What did you find out?
5. Why do you think the experiment turned out the way it did?
6. What would you change about the experiment if you were to do it again?
7. *Build/Design a Product*

examples: floral arrangements, sawhorse, design and plant a flower garden, landscapes, etc.

*Product:*

1. Turn in what you built/designed and/or pictures of the final product and its construction. A video tape or power point presentation are also options.
2. *Teach a topic or procedure to a group.*

examples: teach a 4-H group how to use parliamentary procedure, set up and guide a field trip to a greenhouse or dairy farm, etc.

*Product:*

1. A videotape, power point presentation or pictures of the experience with captions.
2. *Raise and care for an animal or plant.*

*Product:*

1. Explain the basic needs of the animal or plant.
2. What are the signs of health both good and bad?
3. What are the common illnesses or diseases?
4. What are the costs associated with raising the animal or plant?
5. *Informational Document*

examples: compare different colleges and choose one, types of dogs, how to care for a salt water aquarium, etc.

*Product:*

Paper

1. A 5 page paper, typed and double-spaced, 12 pt. font
2. At least 3 different sources, *one source must come from the list of suggested sources*

PowerPoint Presentation

1. Must contain 20 slides, *75% of slides must be content based.*
2. at least 3 different sources, *one source must come from the list of suggested sources*
3. *Volunteer or Job Shadow*

examples: Volunteer at a humane society, animal shelter or other business. Job shadow at an agricultural business, horse barn, etc.

*Product:*

1. Keep a journal of the experience.
2. Provide information about the institution/business.

Ex: create a videotape, power point presentation, or gather information into a binder.

1. *Any other agriculture related project, talk to the teacher about your plan.*