West Virginia CTE

Supervised Agricultural Experience (SAE)

Exploratory/Foundational 0134.1

1. Describe career opportunities and means to achieve those opportunities in each of the AFNR career pathways. 0134.1.1
2. Explore and identify personal agricultural interests to create a career plan. 0134.1.2
3. Act as a responsible and contributing citizen and employee by developing key employability skills. 0134.1.3
4. Students will expand their personal financial literacy by developing a personal budget. 0134.1.4
5. Examine and summarize the importance of health, safety, and environmental management systems in AFNR workplaces. 0134.1.5
6. Analyze how issues, trends, technologies, and public policies impact systems in the AFNR career cluster. 0134.1.6
7. Job shadow a worker within the agricultural industry. 0134.1.7
8. Students will document their knowledge, skills, and plans in the Classroom 2 Career tracking system/AET. 0134.1.8

Research/Experimentation & Analysis 0134.2

1. Investigate materials, processes, and information to establish new knowledge or the validation of previous research. 0134.2.1
2. Follow the scientific process and acceptable best practices for conducting research to ensure reliability, validity, and replicability of research. 0134.2.2
3. Exercise safety throughout all aspects of the experimental process. 0134.2.3
4. Apply the methods of the scientific method to control certain variables while manipulating others to observe the outcome. 0134.2.4
5. Complete a Research Plan which safely meets all requirements. 0134.2.5
6. Define a hypothesis. 0134.2.6

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7 **Determine an appropriate experimental design, conduct the research, collect the data, draw conclusions from the data and recommend further research that can be done.** 0134.2.7

8 **Formulate a why or how question, conduct data and collection using qualitative and/or quantitative methodologies.** 0134.2.8

9 **Conduct an analysis of data, facts, and other information to determine the answer to the analytical question.** 0134.2.9

10 **Apply the engineering design process to the invention research SAE to create a new product or service.** 0134.2.10

11 **Conduct peer reviews with the supervising agricultural education instructor or other professionals at multiple stages throughout the research cycle.** 0134.2.11

12 **Make a summary presentation of research and findings to a local committee organized by the agricultural education instructor.** 0134.2.12

13 **Document methods, procedures, results, analysis, and conclusions in the Classroom 2 Career tracking system/AET.** 0134.2.13

Ownership/Entrepreneurship

1 **Create, own, and operate a business that provides goods and/or services.** 0134.3.1

2 **Exercise safety when operating all aspects of the business.** 0134.3.2

3 **Make operational and risk management decisions on how goods and/or services are provided.** 0134.3.3

4 **Conduct an operation of sufficient scope to develop skills and abilities aligned to the AFNR standards.** 0134.3.4

5 **Conduct an analysis of productivity and profitability at the end of each production/business cycle; make necessary changes for improvement.** 0134.3.5

6 **Become familiar with common financial tools, balance sheets, income statements, inventories, and cash flow.** 0134.3.6

7 **Design a business plan which provides for the continued growth and expansion of the operation.** 0134.3.7

8 **Review and update the business plan annually to reflect the changes in the operation.** 0134.3.8

9 **Track and document items produced, service hours worked, income, expenses, and the knowledge and skills attained within the Classroom 2 Career tracking system/AET record book.** 0134.3.9

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Placement 0134.4

1. **Develop a job plan that includes considerations that promote a safe worksite and opportunities to learn on the job.** 0134.4.1
2. **Develop agriculture, food, natural resource, and employability skills and abilities outside the classroom through a hands-on job site experience.** 0134.4.2
3. **Perform an environmental safety review on yourself and your worksite.** 0134.4.3
4. **Pursue and complete the necessary safety training needed for employment in the related SAE area.** 0134.4.4
5. **Take measures to address any safety concerns identified.** 0134.4.5
6. **Perform the tasks determined by the employer which are necessary for the operation of the business.** 0134.4.6
7. **Track and document hours worked, income received, tasks completed, and the knowledge and skills attained within the Classroom 2 Career tracking system/AET record book.** 0134.4.7