



Account Manager

Skills Needed

- Communication
- Relationship Building
- Negotiation

Foundational SAE Ideas

Learn financial literacy including basic accounting principles, financial management and budgeting skills.

Develop a resume and cover letter related to this career.

Immersion SAE Ideas

Develop and implement a marketing plan for a school club or community organization, including strategies for promotion and sales.

Create a small business selling products or services to classmates or local community members.


FFA


Accountant

Skills Needed

- Attention to Detail
- Analytical Thinking
- Integrity

Foundational SAE Ideas

Manage personal finances effectively by tracking income and expenses, creating a budget and setting financial goals.

Complete courses or workshops on financial software.

Immersion SAE Ideas

Work for a local tax accountant who manages agriculture customers.

Manage finances for a school agricultural club or FFA chapter.


FFA


Accounting Manager

Skills Needed

- Leadership
- Strategic Thinking
- Problem-Solving

Foundational SAE Ideas

Research safety protocols in office environments and create a poster.

Shadow a manager in a business or accounting firm.

Immersion SAE Ideas

Intern in an agricultural company's finance department.

Study trends in agricultural accounting practices and prepare a report.


FFA


Administrative Assistant

Skills Needed

- Organizational Skills
- Adaptability
- Customer Service

Foundational SAE Ideas

Develop organizational skills through managing schedules and events.

Create a presentation for peers on administrative roles in agricultural organizations.

Immersion SAE Ideas

Intern at a farm bureau or agricultural organization to learn about administrative tasks.

Conduct a survey on administrative challenges in agricultural settings and propose solutions.


FFA



Analytical Chemist

Skills Needed

- Laboratory Skills
- Safety Awareness
- Critical Thinking

Foundational SAE Ideas

Research industries where analytical chemists are employed, such as agriculture, pharmaceuticals and environmental sciences.

Identify potential hazards in a laboratory environment (e.g., chemical spills, exposure to toxic substances).

Immersion SAE Ideas

Conduct a research project focused on developing methods for detecting contaminants in agricultural products.

Partner with a local nonprofit organization focused on sustainable agriculture to conduct water quality testing in nearby agricultural areas.


FFA


Animal Biotechnologist: Reproductive or Nutritional Specialist

Skills Needed

- Research Skills
- Animal Handling
- Ethics

Foundational SAE Ideas

Explore career paths in veterinary clinics, research institutions and agricultural biotechnology companies.

Research the costs of higher education for an animal biotechnologist.

Immersion SAE Ideas

Work for a local livestock producer to learn how livestock are bred.

Conduct research on the efficiency of different livestock feeds.


FFA


Animal Geneticist

Skills Needed

- Technical Skills
- Adaptability
- Critical Thinking

Foundational SAE Ideas

Practice budgeting and financial planning.

Explore ethical considerations and regulatory frameworks in genetic research and its applications in agriculture.

Immersion SAE Ideas

Collaborate with a wildlife conservation organization to conduct genetic monitoring of endangered species.

Manage a genetics education program within your high school agriculture class, where students learn about basic genetics and participate in a small-scale breeding project with rabbits.


FFA


Auditor

Skills Needed

- Analytical Skills
- Integrity
- Time Management

Foundational SAE Ideas

Learn about office ergonomics to create a comfortable and safe working environment, especially when working long hours at a desk.

Shadow an auditor of an agricultural business.

Immersion SAE Ideas

Intern at a local agricultural cooperative or farm supply company.

Help manage the agriculture program budget and fundraisers.


FFA



Automation Technician/ Coordinator

Skills Needed

- Technical Skills
- Programming
- Teamwork

Foundational SAE Ideas

Learn and apply safety procedures for working with automation systems and machinery.

Research how automation is used in agricultural settings.

Immersion SAE Ideas

Work at a local manufacturing facility or agricultural technology company.

Start an agricultural robotics club within your agriculture program, where students design and build prototype robots for tasks such as planting, spraying or harvesting crops.


FFA


Benefits Manager

Skills Needed

- Negotiation
- Data Analysis
- Communication

Foundational SAE Ideas

Study how employee benefits are managed in agricultural businesses and create a presentation.

Research what education is needed for a career as a benefits manager and the cost for that education.

Immersion SAE Ideas

Work at a local agricultural business or cooperative.

Collaborate with a local Chamber of Commerce to organize workshops on financial wellness for small businesses and farm owners.


FFA


Bioinformatics Scientist

Skills Needed

- Programming
- Collaboration
- Problem-Solving

Foundational SAE Ideas

Research and create a presentation about how bioinformatics is applied to agricultural research.

Shadow a bioinformatics scientist.

Immersion SAE Ideas

Intern at a local agricultural research institute or biotechnology company.

Partner with conservation groups to use bioinformatics to assess genetic diversity in local ecosystems.


FFA


Biological Technician

Skills Needed

- Data Collection
- Analytical Thinking
- Safety Awareness

Foundational SAE Ideas

Research the application of biological techniques in agriculture.

Tour a biological research lab and shadow a biological technician.

Immersion SAE Ideas

Work at a local environmental consulting firm or agricultural research station.

Conduct a research project evaluating the effectiveness of organic farming practices.


FFA



Biorefining Manager

Skills Needed

- Quality Control
- Leadership
- Problem-Solving

Foundational SAE Ideas

Learn about safety procedures for handling chemicals and operating machinery in a biorefining facility.

Create a professional portfolio showcasing your skills, projects and accomplishments.

Immersion SAE Ideas

Intern at a local biorefinery or bioenergy production facility.

Research the fuel efficiency of different types of biomass.

FFA


Brand Manager

Skills Needed

- Creativity
- Strategic Thinking
- Leadership

Foundational SAE Ideas

Research and develop a budget plan for a hypothetical brand marketing campaign.

Study the role of branding in agricultural products, including how effective branding can impact market success and consumer perception.

Immersion SAE Ideas

Intern with a marketing or branding agency.

Develop and manage a branding project for your FFA chapter.

FFA


Budget Analyst

Skills Needed

- Analytical Skills
- Budgeting
- Communication

Foundational SAE Ideas

Develop and manage a personal budget plan, tracking income and expenses.

Explore career opportunities in budget analysis.

Immersion SAE Ideas

Intern with an agricultural business.

Manage the budget for your local FFA chapter.

FFA


Chief Executive Officer

Skills Needed

- Visionary Leadership
- Conflict Resolution
- Decision-Making

Foundational SAE Ideas

Shadow a CEO of a local agricultural business.

Research and report on local agricultural businesses, such as farmers markets or co-ops.

Immersion SAE Ideas

Start a business that connects local farms directly with consumers.

Start and manage a student-run business focused on agriculture, such as a school garden.

FFA



Chief Financial Officer

Skills Needed

- Financial Literacy
- Problem-Solving
- Integrity

Foundational SAE Ideas

Create and manage a personal budget, tracking income, expenses and savings goals.

Participate in virtual stock market games or simulation.

Immersion SAE Ideas

Intern with the finance department of an agribusiness.
Work for a farm accountant or financial manager.


FFA


Chief Operating Officer

Skills Needed

- Management
- Logistics
- Strategic Thinking

Foundational SAE Ideas

Identify a process within a school or community organization that could be improved. Propose and implement changes to enhance efficiency.

Shadow a local business manager or operations director.

Immersion SAE Ideas

Intern with the operations team of an agricultural company.

Start and manage a student-run business focused on agriculture, such as a school garden.


FFA


Communications Specialist

Skills Needed

- Writing
- Public Relations
- Creativity

Foundational SAE Ideas

Contribute articles about the agriculture program to your school's newsletter or magazine.

Create promotional flyers or posters for FFA chapter events.

Immersion SAE Ideas

Write articles for the FFA chapter and submit them to the local newspaper.

Create and manage a blog or social media presence for a farm or agribusiness.


FFA


Corporate Recruiter

Skills Needed

- Talent Acquisition
- Relationship Building
- Interpersonal Skills

Foundational SAE Ideas

Research current trends in recruiting for agricultural positions, including skill requirements and emerging roles in the industry.

Explore recruitment practices specific to the agriculture industry.

Immersion SAE Ideas

Organize a career fair at school focused on agricultural careers.

Intern with an agricultural recruiting firm, campus recruiter, corporate business recruiter or similar occupation.


FFA



Customer Service Representative

Skills Needed

- Order Processing
- Billing Systems
- Communication

Foundational SAE Ideas

Job shadow a local agricultural customer service or HR department.

Interview customer service representatives in various fields to understand their roles and career paths.

Immersion SAE Ideas

Design and conduct a survey to measure customer satisfaction at a local agricultural business or organization.

Develop a tool or app to help agricultural businesses collect and analyze customer feedback.


FFA


Data Processor

Skills Needed

- Data Entry
- Accuracy
- Attention to Detail

Foundational SAE Ideas

Learn about basic data security practices to ensure the safe handling of sensitive information.

Research the field of data processing, including career paths and required skills.

Immersion SAE Ideas

Work for an agricultural business to gain experience in data entry.

Develop and implement data management solutions for FFA fundraisers or events.


FFA


Dealer Services Representative

Skills Needed

- Product Knowledge
- Inventory Management
- Sales Skills

Foundational SAE Ideas

Study sales techniques and how they apply to agricultural equipment or services.

Shadow a dealer services representative.

Immersion SAE Ideas

Create and manage a mock dealer network for your high school agricultural mechanics shop.

Work for a local equipment or seed dealer.


FFA


Director of Procurement

Skills Needed

- Contract Management
- Negotiation
- Leadership

Foundational SAE Ideas

Research how procurement decisions affect agricultural businesses.

Shadow a local procurement manager or director.

Immersion SAE Ideas

Assist with community projects that involve managing supplies or resources, such as food drives.

Manage procurement and logistics for large school events or initiatives, such as fundraising events.


FFA



Dispatcher

Skills Needed

- Logistics
- Problem-Solving
- Decision-Making

Foundational SAE Ideas

Shadow a professional dispatcher in various sectors. Explore the shipping and transfer methods within agribusiness to understand global trade methods.

Immersion SAE Ideas

Work in the logistics department of an agricultural business.
Work for a farm or agricultural operation to manage the logistics of the operation.


FFA


Embryologist

Skills Needed

- Quality Control
- Lab Equipment Operation
- Attention to Detail

Foundational SAE Ideas

Learn about and practice safety protocols for working in a laboratory.

Research how embryology is applied in agricultural biotechnology.

Immersion SAE Ideas

Work at a research facility focusing on the development of reproductive technologies in agriculture animals.
Work for a local livestock producer.


FFA


Executive Assistant

Skills Needed

- Calendar Management
- Report Writing
- Organization

Foundational SAE Ideas

Shadow an executive assistant in an agricultural business or organization.

Create an emergency response plan for an office setting.

Immersion SAE Ideas

Work for an agricultural business as an executive assistant.
Preform administrative tasks for your local agriculture department.


FFA


Export Documentation Specialist

Skills Needed

- International Trade Regulations
- Logistics
- Attention to Detail

Foundational SAE Ideas

Research the career pathways and educational requirements for export documentation specialists in the agricultural sector.

Learn about safety protocols for handling confidential export documents.

Immersion SAE Ideas

Work for a local agricultural business.
Intern with a local Chamber of Commerce or trade association.


FFA



Export Sales Manager

Skills Needed

- Sales Skills
- Export Regulation and Compliance
- Market Research and Analysis

Foundational SAE Ideas

Analyze the average salary of export sales managers and develop a personal budget as if you were employed in this career.

Research the career pathways for export sales managers in agriculture.

Immersion SAE Ideas

Work for a company that sells agricultural products.

Start and run a farmers market in your local community.


FFA


Extension Faculty

Skills Needed

- Subject-Matter Expertise
- Teaching
- Research Skills

Foundational SAE Ideas

Analyze and report on the effectiveness of current local, state or national extension programs.

Create a detailed plan for the educational requirements needed to become an extension faculty member.

Immersion SAE Ideas

Develop and sell agricultural education resource kits for local schools and community organizations.

Create a podcast or newsletter focusing on agricultural topics.


FFA


Finished Goods Supervisor

Skills Needed

- Inventory Management
- Manufacturing Processes
- Safety Regulations

Foundational SAE Ideas

Research different career paths related to finished goods management.

Prepare a financial plan that includes education and training to be successful in this field.

Immersion SAE Ideas

Work for a manufacturing plant.

Develop a project in your agriculture department where students process and package agricultural products, such as canned goods or dried herbs.


FFA


Formulation Chemist

Skills Needed

- Chemistry
- Chemical Analysis
- Formulation Development

Foundational SAE Ideas

Research and summarize the educational requirements for becoming a formulation chemist.

Research the costs associated with obtaining a degree in chemistry or a related field and create a budget for education expenses.

Immersion SAE Ideas

Create basic, educational chemistry kits for elementary students in a monthly subscription box.

Create and sell DIY plant growth enhancer kits that include formulations for nutrient solutions and growth stimulants.


FFA



Genomics Scientist

Skills Needed

- Research Skills
- Laboratory Skills
- Data Analysis

Foundational SAE Ideas

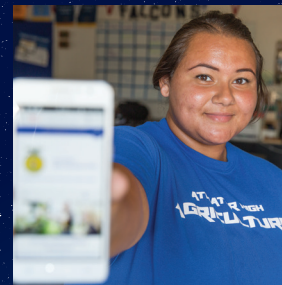
Develop a presentation explaining how genomics is used to enhance crop traits.

Research and create a cost-benefit analysis of pursuing a degree in genomics.

Immersion SAE Ideas

Organize educational outreach programs in schools to teach students about the role of genomics in agriculture.

Research the public perception of genomics in agriculture.


FFA


Graphic Designer

Skills Needed

- Creativity
- Attention to Detail
- Time Management

Foundational SAE Ideas

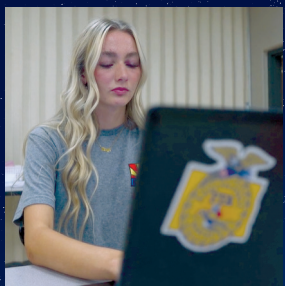
Create a series of posters for agricultural events or awareness campaigns.

Create a financial plan for pursuing a career in graphic design.

Immersion SAE Ideas

Manage the marketing and design posters for your local FFA chapter.

Take on a freelance graphic design project for a local agricultural business or organization.


FFA


Human Resources Generalist

Skills Needed

- Employee Relations
- Recruitment and Selection
- Performance Management

Foundational SAE Ideas

Research HR policies and procedures specific to agricultural organizations.

Research career paths within HR.

Immersion SAE Ideas

Design and conduct surveys to measure employee satisfaction in local organizations.

Work for an agricultural business in the HR department.


FFA


Human Resources Manager

Skills Needed

- Strategic Planning
- Employment Law
- Leadership Development

Foundational SAE Ideas

Shadow an HR manager.

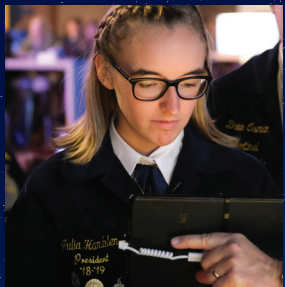
Create a financial plan based on projected income for an HR manager role.

Immersion SAE Ideas

Develop and implement HR strategies for organizing FFA events, including team roles, task management and communication plans.

Develop and promote a diversity and inclusion program in your FFA chapter.


FFA



Information Technology (IT) Analyst

Skills Needed

- Data Analysis and Interpretation
- Network Security
- Database Management

Foundational SAE Ideas

Research and report on the role of IT in modern agriculture.

Shadow an IT analyst at a company that supports agricultural clients.

Immersion SAE Ideas

Intern with an IT consulting firm.

Program high technology equipment in your agriculture department.



FFA



Information Technology (IT) App Developer

Skills Needed

- Programming Languages
- Problem-Solving
- Attention to Detail

Foundational SAE Ideas

Interview professional app developers who work in the agriculture sector.

Research relevant certifications in app development.

Immersion SAE Ideas

Intern with a company that develops apps for the agriculture sector.

Purchase, set up and manage a Farm Bot in your agriculture department.



FFA



Information Technology (IT) Configurator

Skills Needed

- Software Installation
- Troubleshooting
- Attention to Detail

Foundational SAE Ideas

Identify certifications relevant to IT configuration.

Create a financial plan based on projected income from IT configuration roles.

Immersion SAE Ideas

Investigate how different IT configurations affect farm productivity.

Work for an agricultural business in the IT department.



FFA



Information Technology (IT) Programmer

Skills Needed

- Database Management
- Proficiency in Programming Languages
- Problem-Solving

Foundational SAE Ideas

Research career paths in IT programming within agriculture.

Shadow a professional IT programmer working in agriculture.

Immersion SAE Ideas

Work for a company that develops software for agriculture.

Develop a software application for your school's farm.



FFA



Information Technology (IT) Software Developer

Skills Needed

- Software Development
- Testing and Debugging
- Time Management

Foundational SAE Ideas

Research relevant certifications and degree programs in software development.

Research scholarship opportunities to help pay for higher education.

Immersion SAE Ideas

Work for a company that develops software specifically for agriculture.

Work for a local farm that uses modern farm equipment.


FFA


Information Technology (IT) Specialist

Skills Needed

- Network Administration and Security
- Software Troubleshooting
- Project Management

Foundational SAE Ideas

Study common IT issues related to agricultural equipment.

Research average salaries and available careers for IT specialists in agriculture.

Immersion SAE Ideas

Help provide IT support services for an agricultural cooperative.

Investigate cybersecurity risks specific to agricultural IT systems and develop strategies for protecting farm technology from cyber threats.


FFA


Information Technology (IT) Web Developer

Skills Needed

- Proficiency in Web Technologies
- Creativity
- Attention to Detail

Foundational SAE Ideas

Analyze websites of agricultural technology companies to understand common features and design elements.

Develop a financial plan for managing income from freelance web development work.

Immersion SAE Ideas

Create a website for the agriculture department and FFA chapter.

Manage a website for the agriculture department and FFA chapter.


FFA


Intern

Skills Needed

- Software Proficiency
- Eagerness to Learn
- Time Management

Foundational SAE Ideas

Shadow different departments within an agricultural business.

Research internships available for high school and college students in your area of interest.

Immersion SAE Ideas

Work for a local agricultural business in multiple and diverse areas.

Work as a teacher's assistant for the agriculture department.


FFA



Inventory/Stock Specialist

Skills Needed

- Inventory Management
- Warehouse Operations
- Attention to Detail

Foundational SAE Ideas

Research and document different inventory management systems used in agriculture.

Find certifications relevant to inventory management.

Immersion SAE Ideas

Work at a farm supply store.

Manage inventory and stock levels for your school's farm or garden, including tracking supplies and ordering materials.


FFA


Laboratory Manager

Skills Needed

- Safety Awareness
- Equipment Calibration and Maintenance
- Problem-Solving

Foundational SAE Ideas

Practice common interview questions related to this career.

Study different types of laboratory equipment used in agricultural research.

Immersion SAE Ideas

Work at an agricultural research lab.

Conduct agriculture-related research projects in your agriculture department.


FFA


Laboratory Technician

Skills Needed

- Laboratory Skills
- Laboratory Equipment Operation
- Data Collection

Foundational SAE Ideas

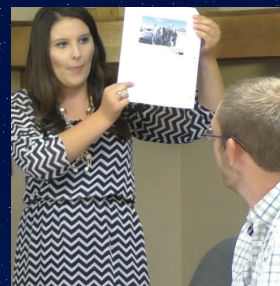
Research career paths related to laboratory technician roles in agriculture.

Practice common interview questions for laboratory technician roles.

Immersion SAE Ideas

Work in a lab focused on plant breeding.

Research and compare different soil nutrient analysis methods.


FFA


Logistics & Supply Chain Management/Director of Supply Chain

Skills Needed

- Supply Chain Strategy and Planning
- Logistics Coordination
- Relationship Building

Foundational SAE Ideas

Identify supply chain challenges in agriculture.

Interview a supply chain manager.

Immersion SAE Ideas

Research the impact of autonomous vehicles on logistics.

Organize a competition where students develop innovative solutions to real-world supply chain problems.


FFA



Microbiologist

Skills Needed

- Identification and Classification
- Laboratory Techniques
- Molecular Biology

Foundational SAE Ideas

Research careers available in the microbiology field.
Research an agricultural issue that affects the microbiology field.

Immersion SAE Ideas

Research the role of microbes in soil fertility.
Grow and observe microbial cultures from various sources (e.g., soil, water, surfaces) in a classroom lab.
Document growth patterns and characteristics.



FFA



Molecular Biologist

Skills Needed

- DNA/RNA Extraction and Analysis
- Laboratory Safety and Protocols
- Critical Thinking

Foundational SAE Ideas

Review safety procedures for handling biological materials and chemicals in a laboratory setting.
Learn about the use of PPE, such as lab coats, gloves and eye protection, in a laboratory setting.

Immersion SAE Ideas

Develop and sell simple educational kits that allow students to perform basic biology experiments at home or in classrooms.
Research which fruits allow for more DNA to be extracted and complete an agriscience fair project comparing DNA samples and their availability.



FFA



Occupational Health & Safety Manager

Skills Needed

- Safety Awareness
- Incident Investigation and Reporting
- Emergency Preparedness and Response

Foundational SAE Ideas

Create a presentation that highlights the role of safety managers in agriculture.
Develop a financial plan outlining the costs of obtaining necessary certifications and continuing education.

Immersion SAE Ideas

Design and conduct a research project on workplace safety issues.
Work for your agriculture department as the safety manager.



FFA



Office Manager

Skills Needed

- Scheduling and Coordination
- Record Keeping
- Human Resources Management

Foundational SAE Ideas

Shadow an office manager at a local agricultural business.
Research and write a detailed report on the role of an office manager.

Immersion SAE Ideas

Work at a local agricultural business as an assistant to the office manager.
Work as a student office manager for a school club or department.



FFA



Organizational Development Manager

Skills Needed

- Employee Relations
- Training and Development
- Collaboration

Foundational SAE Ideas

Design a vision board outlining your career goals and aspirations.

Perform a SWOT analysis (strengths, weaknesses, opportunities, threats) on yourself regarding your career goals.

Immersion SAE Ideas

Research and analyze the impact of organizational culture on employee satisfaction and productivity.

Work as an intern in the HR department of a local agricultural business.


FFA


Packaging Manager

Skills Needed

- Operations Management
- Inventory Management
- Supply Chain Logistics

Foundational SAE Ideas

Investigate various roles within packaging management.

Create a poster that outlines the essential safety practices for working in the packaging industry.

Immersion SAE Ideas

Work for a distribution center.

Research and analyze different packaging methods and their efficiency.


FFA


Payroll Administrator

Skills Needed

- Software Proficiency
- Accounting and Bookkeeping
- Confidentiality

Foundational SAE Ideas

Create a poster about the importance of keeping payroll information secure.

Research potential pathways for becoming a payroll administrator.

Immersion SAE Ideas

Intern at a local agricultural business in the HR department.

Manage the FFA chapter's finances.


FFA


Plant Biologist

Skills Needed

- Plant Physiology and Anatomy
- Plant Genetics and Breeding
- Research Skills

Foundational SAE Ideas

Research the protocols for safely conducting plant research.

Outline a plan for pursuing a career in plant biology.

Immersion SAE Ideas

Research how different soil types affect plant growth and health.

Work at a plant nursery or greenhouse.


FFA



FFA

Plant Breeder

Skills Needed

- Genetics and Plant Breeding Techniques
- Biotechnology in Plant Breeding
- Patience

Foundational SAE Ideas

Look up different roles within plant breeding.
Interview plant breeders to learn roles and responsibilities.

Immersion SAE Ideas

Research different plant breeding techniques.
Cross breed different crops for the school garden.



FFA

Plant Geneticist

Skills Needed

- Genetics and Plant Breeding Techniques
- Research
- Genome Mapping

Foundational SAE Ideas

Develop an infographic that outlines key concepts in plant genetics.
Outline a plan for pursuing a career in plant genetics.

Immersion SAE Ideas

Research how genetic modifications affect plant growth, yield and resistance.
Create a blog or podcast dedicated to plant genetics topics.



FFA

Plant Pathologist

Skills Needed

- Laboratory Skills
- Research and Data Analysis
- Plant Disease Identification and Diagnosis

Foundational SAE Ideas

Develop a guide detailing common plant diseases.
Shadow a plant pathologist.

Immersion SAE Ideas

Offer consulting services to local gardeners on plant disease identification and management.
Research different methods for controlling plant diseases.



FFA

Policy Analyst

Skills Needed

- Data Collection and Interpretation
- Legislative Knowledge
- Relationship Building

Foundational SAE Ideas

Research a current agricultural or environmental policy issue.
Draft a mock proposal for a new policy or a policy change in an area of interest.

Immersion SAE Ideas

Intern with a government agency.
Start a blog that analyzes current agricultural or environmental policies.



Port Terminal Manager

Skills Needed

- Logistics and Supply Chain Management
- Safety Awareness
- Team Building

Foundational SAE Ideas

Create a professional resume and cover letter tailored for a desired career.

Learn basic financial terms and apply them to a personal budget.

Immersion SAE Ideas

Work for a shipping company.

Research the environmental impact of port terminal activities.



FFA



Pricing Coordinator

Skills Needed

- Pricing Software
- Financial Analysis
- Analytical Skills

Foundational SAE Ideas

Practice creating and managing spreadsheets, analyzing data and performing basic financial calculations.

Research best practices for managing and securing financial and pricing data.

Immersion SAE Ideas

Work in the marketing department of an agricultural business.

Research how pricing strategies vary across different industries and their impact on sales and profitability.



FFA



Process Engineer

Skills Needed

- Process Design and Optimization
- Safety Awareness
- Adaptability

Foundational SAE Ideas

Research various specializations within the field of process engineering.

Create a plan outlining the steps required to become a process engineer.

Immersion SAE Ideas

Work at an agricultural manufacturing company.

Organize and compete in a school-based engineering fair.



FFA



Procurement Specialist

Skills Needed

- Contract Management
- Inventory Control
- Supply Chain Logistics

Foundational SAE Ideas

Create a basic budget for a small project or event.

Take a trip to a local farm or nursery to see how they manage their supplies and procurement.

Immersion SAE Ideas

Manage the procurement process for an FFA event or fundraiser.

Intern in the purchasing department of an agricultural business.



FFA



Product Development Manager/Demand Planner

Skills Needed

- Marker
- Project Management
- Demand Forecasting

Foundational SAE Ideas

Investigate various agricultural products and their development processes.

Tour a food processing plant.

Immersion SAE Ideas

Research how seasonal factors influence product demand at local farmers markets.

Develop a new product for an FFA event or fundraiser.


FFA


Production Manager

Skills Needed

- Facility Layout and Design
- Budgeting
- Problem-Solving

Foundational SAE Ideas

Take a tour of a local farm or agricultural facility to see how production is managed.

Observe and document safety practices during a visit to a local farm or production facility.

Immersion SAE Ideas

Work at an agricultural production facility.

Manage an agricultural business in your agriculture department.


FFA


Public Relations Specialist

Skills Needed

- Media Relations
- Content Creation
- Crisis Management

Foundational SAE Ideas

Practice writing press releases for fictional or real events.

Research common PR challenges faced by agricultural businesses.

Immersion SAE Ideas

Create and manage a public relations campaign for an FFA event or initiative.

Work for a local radio station.


FFA


Quality Assurance Auditor

Skills Needed

- Auditing
- Regulatory Compliance
- Data Analysis

Foundational SAE Ideas

Research how agriculture issues affect this career.

Assess the safety measures in place in your agriculture department.

Immersion SAE Ideas

Intern with the quality assurance department of an agricultural business.

Intern as an inspector for the agriculture department.


FFA



Quality Assurance Manager

Skills Needed

- Audit Management
- Training and Development
- Decision-Making

Foundational SAE Ideas

Develop a resume that highlights your skills, experiences and achievements.

Take on a leadership role in a school club or community group and relate those skills to the skills needed in this career field.

Immersion SAE Ideas

Work at a food processing plant.

Manage a quality assurance program for a school store or concession stand.


FFA


Quality Control Technician

Skills Needed

- Testing and Inspection Methods
- Equipment Calibration and Maintenance
- Documentation

Foundational SAE Ideas

Research how quality control is applied in agriculture. Develop a checklist for inspecting agricultural products.

Immersion SAE Ideas

Work at an agricultural processing facility.

Conduct a research project about how quality control processes influence customer satisfaction and retention.


FFA


Receptionist

Skills Needed

- Calendar Management
- Office Equipment Operation
- Software Knowledge

Foundational SAE Ideas

Develop a resume highlighting skills relevant to being a receptionist, such as communication, organization and customer service.

Research ergonomic best practices for a receptionist's workstation.

Immersion SAE Ideas

Work at a local farm supply store.

Work at an agricultural nonprofit in your area.


FFA


Regulatory Scientist

Skills Needed

- Data Analysis and Interpretation
- Technical Writing
- Attention to Detail

Foundational SAE Ideas

Research current trends in agricultural regulations. Tour an agricultural research facility or extension office.

Immersion SAE Ideas

Research how changes in regulations affect agricultural practices and develop presentations to educate the public.

Oversee a compliance project for a school farm or garden, ensuring it adheres to relevant regulations or best practices.


FFA



Research and Development Manager

Skills Needed

- Team Supervision
- Collaboration
- Leadership

Foundational SAE Ideas

Research recent innovations in agriculture.

Develop a plan outlining the steps to become a research and development manager.

Immersion SAE Ideas

Research how new technologies, such as drones, sensors or biotechnology, are affecting farming practices and develop presentations to educate the public.

Create a prototype for a new agricultural tool or device.


FFA


Research and Development Technician

Skills Needed

- Laboratory Skills
- Data Collection and Analysis
- Safety and Compliance Standards

Foundational SAE Ideas

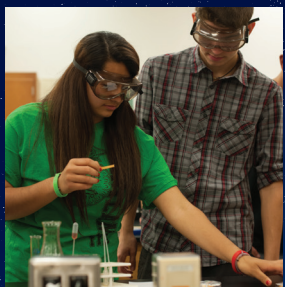
Research different types of PPE used in laboratory settings.

Research certification programs relevant to R&D technicians.

Immersion SAE Ideas

Work at an agricultural research lab.

Host an annual science fair at your school focused on research and development in agriculture.


FFA


Research Associate

Skills Needed

- Research Skills
- Writing
- Statistical Analysis

Foundational SAE Ideas

Develop a presentation on a research topic or a project you have worked on.

Perform a basic safety inspection of your school's agricultural science lab.

Immersion SAE Ideas

Develop a research-based agricultural product.

Conduct research on the effectiveness of sustainable farming practices.


FFA


Research Scientist

Skills Needed

- Advanced Research Techniques
- Grant Proposal Writing
- Knowledge in Field of Study

Foundational SAE Ideas

Create a budget for a hypothetical research project.

Research the effects of genetically modified crops on agriculture.

Immersion SAE Ideas

Launch a blog or podcast focused on agricultural research.

Create educational resources that explain a key agricultural concept or practice.


FFA



Research Station Manager

Skills Needed

- Project Coordination
- Budgeting
- Teamwork

Foundational SAE Ideas

Visit a local agricultural research station or facility.

Design educational posters about safety practices in a research environment.

Immersion SAE Ideas

Oversee a research project within your school's agriculture program.

Work at your local agricultural research station.


FFA


Research Technician

Skills Needed

- Laboratory Skills
- Equipment Operation and Maintenance
- Data Collection

Foundational SAE Ideas

Create and deliver a presentation on a research topic you are interested in.

Research and propose cost-effective alternatives for common research supplies or equipment. Compare the pros and cons of different options.

Immersion SAE Ideas

Launch a blog or YouTube channel focused on agricultural research. Share insights into research techniques, equipment reviews and the latest advancements in the field.

Research how various soil amendments affect crop growth and soil health.


FFA


Safety Director

Skills Needed

- Incident Reporting
- Emergency Response
- Risk Management

Foundational SAE Ideas

Create a presentation on workplace safety topics.

Perform a safety audit of your agriculture department. Identify potential hazards and recommend improvements to enhance safety practices.

Immersion SAE Ideas

Host an annual farm safety day for elementary students.

Work as a safety director for your agricultural education department.


FFA


Sales Representative: Food, Seed, Feed, Fuel

Skills Needed

- Product Knowledge
- Sales Techniques and Strategies
- Customer Relationship Management

Foundational SAE Ideas

Create a brochure promoting an agricultural product.

Study current trends in the food, seed, feed or fuel sectors.

Immersion SAE Ideas

Organize an annual school event or fair showcasing different agricultural products.

Intern with a seed company.


FFA



Sales Trainer

Skills Needed

- Sales
- Product Knowledge
- Presentation and Facilitation

Foundational SAE Ideas

Identify key skills needed for your career interest and create a plan to develop these skills.

Shadow an agricultural salesperson.

Immersion SAE Ideas

Develop and manage the FFA chapter fundraisers and train fellow members how to sell.

Manage a school store where you sell items to students.


FFA


Scheduler

Skills Needed

- Time Management
- Planning
- Prioritization

Foundational SAE Ideas

Investigate how various scheduling software tools are used in agricultural settings.

Research how scheduling impacts various agricultural operations.

Immersion SAE Ideas

Assist a teacher with scheduling classroom activities, managing assignments and coordinating student projects.

Work in a manufacturing or processing facility.


FFA


Seed Production Agronomist

Skills Needed

- Production Techniques
- Plant Breeding
- Data Collection

Foundational SAE Ideas

Write a report on different seed varieties, their uses and their impact on crop production.

Build a LinkedIn profile highlighting skills, experiences and achievements.

Immersion SAE Ideas

Organize and conduct workshops on seed production for gardeners.

Conduct research on different seed varieties to determine which are best suited for local growing conditions.


FFA


Seed Production Technician

Skills Needed

- Seed Processing and Handling
- Equipment Operation and Maintenance
- Record Keeping

Foundational SAE Ideas

Develop an informational guide detailing various seed varieties, their characteristics and their uses in different agricultural applications.

Investigate various career paths within seed production.

Immersion SAE Ideas

Research different seed varieties to determine their performance under various growing conditions.

Assist in an agricultural science class by helping with seed-related experiments and demonstrations.


FFA



Shift Manager

Skills Needed

- Scheduling and Coordination
- Staff Supervision and Training
- Inventory Management

Foundational SAE Ideas

Practice writing incident reports for hypothetical workplace accidents.

Create and follow a time management plan.

Immersion SAE Ideas

Organize and manage a temporary retail space or pop-up shop.

Manage shifts for an FFA activity or fundraiser.


FFA


Shipping Coordinator

Skills Needed

- Logistics and Supply Chain Management
- Inventory Management
- Attention to Detail

Foundational SAE Ideas

Research and analyze shipping costs for different types of agricultural products.

Learn about proper lifting techniques and ergonomics to prevent injuries during shipping tasks.

Immersion SAE Ideas

Develop a business that provides customized packaging solutions for agricultural products.

Start a delivery service for local farmers, handling the logistics of getting fresh produce from farms to local markets or customers.


FFA


Social Media Strategist

Skills Needed

- Social Media Knowledge
- Creativity
- Analytical Skills

Foundational SAE Ideas

Analyze the social media strategy of an agricultural company.

Develop strategies for managing and responding to online harassment or negative comments while maintaining a professional image.

Immersion SAE Ideas

Assist an agricultural business or organization with their social media accounts.

Create and run social media campaigns to raise awareness about local community issues or events.


FFA


Supply Chain Manager

Skills Needed

- Inventory Management
- Demand Planning
- Logistics

Foundational SAE Ideas

Study the supply chain processes specific to agriculture and make a poster.

Learn about the regulations and compliance standards affecting agricultural supply chains.

Immersion SAE Ideas

Work as a warehouse assistant.

Help manage the logistics and supply chain processes for distributing food to local communities.


FFA



Systems Administrator

Skills Needed

- Operating Systems
- Server Administration
- Troubleshooting

Foundational SAE Ideas

Prepare a professional resume and practice interview techniques.

Research emerging technology trends in agriculture.

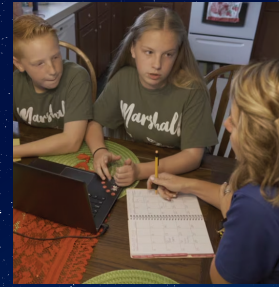
Immersion SAE Ideas

Intern at an IT services company specializing in agriculture.

Utilize and manage software for monitoring plans in your agriculture department greenhouse or garden.



FFA



Trade Manager

Skills Needed

- Supply Chain Management
- Market Analysis
- Negotiation

Foundational SAE Ideas

Study international trade laws and trade agreements and how they impact the agriculture industry.

Complete the FAFSA to help pay for higher education.

Immersion SAE Ideas

Intern in the trade department of a local agricultural business.

Collaborate with economics or business teachers to establish a student-run international trade simulation.



FFA