

		<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>SAE</b>	<b>FFA</b>
<b>Competency</b>	<b>Problem Solving (PS)</b>	AFNR Systems	Animal Systems	Plant Systems	Natural Resources/ Environmental	<b>All SAE's are problem-solving related. All FFA events/activities are problem-solving related.</b>	
<b>PS</b> Competency Statement	Demonstrate <b>problem solving skills</b> consistently and independently					Foundational	Discussion Meet, Marketing CDE, Broiler Contest
<b>PS1</b> <b>Standard</b>	<b>Employ valid and reliable research strategies</b>	<a href="#">Agriscience Fair:</a> Lit Review	<a href="#">Broilers/Rabbit CDE:</a> <a href="#">Feed Management Processes (reliable vs. opinion)</a>	Biotechnology: GMO vs. Organic vs. Conventional	Biotechnology & the Environment Town Hall/ Class Discussion	SAE planning	Ag Issues/Demo LDE
PS1A	Evaluate validity of sources	<a href="#">Discussion Meet:</a> <a href="#">Preparation Research</a>	<a href="#">Discussion Meet:</a> <a href="#">Preparation Research</a>	<a href="#">Discussion Meet:</a> <a href="#">Preparation Research</a>	<a href="#">Discussion Meet:</a> <a href="#">Preparation Research</a>	AET Records	Public Speakings LDE
PS1B	Use an informed process to research new information and test new ideas and practices		Breed Research Paper/Project	Proper Fertilizer Usage Plant ID			Crop Management CDE
PS1C	Discern accepting and using information to make informed decisions						
<b>PS2</b> <b>Standard</b>	<b>Consider the environmental, social and economic impacts of decisions</b>	<a href="#">Agriscience Fair:</a> Lit Review	<a href="#">Broilers/Rabbit CDE:</a> Manure/Compose Management	<a href="#">IPM</a>	<a href="#">Nature Walk &amp; Analysis</a>	SAE planning	Public Speaking LDE's
PS2A	Understand the interrelated nature of actions and their impact	<a href="#">Discussion Meet</a>	<a href="#">Discussion Meet</a>	<a href="#">Discussion Meet</a>	<a href="#">Discussion Meet</a>	AET	Land Conservation CDE
PS2B	Make decisions that positively impact or mitigate negative impact on the environment and others		<a href="#">Biosecurity: Barn Safety Plan</a>	<a href="#">Biosecurity: Greenhouse Safety Plan</a>	<a href="#">Pasture Health &amp; Management</a>		
PS2C	Be aware of new resources, procedures, technologies, and materials and their impact on the environment, social condition and the organization			<a href="#">Environmental impacts on Germination</a>	<a href="#">Salmon in the Classroom</a>		
<b>PS3</b> <b>Standard</b>	<b>Utilize critical thinking to make sense of problems &amp; persevere in solving them</b>	<a href="#">Agriscience Fair:</a> Abstract/Intro	<a href="#">Broilers/Rabbit CDE:</a> Daily Management Decisions/Observations	Mixing Media	Ecosystem Analysis	SAE planning	Forestry CDE, Environmental CDE
PS3A	Recognize problems in the workplace, understanding the nature of the problem and devising effective plans to solve the problem	<a href="#">Discussion Meet</a>	Birthing Livestock Projects	Greenhouse Design Project	Recycling Project	AET	Ag Mechanics CDE
PS3B	Recognize problems as they occur and take action to quickly address the problem		Raising schools animals (laying hens, goats, sheep, etc.)		<a href="#">Salmon in the Classroom</a>		Livestock/Meat Judging CDE
PS3C	Investigate the root cause of the problem prior to introducing solutions		Animal Anatomy/ Comparison				
PS3D	Carefully consider the options to solve the problem						
PS3E	Follow through with the agreed upon solution to ensure the problem is solved, either by your own actions or that of others						
<b>PS4</b> <b>Standard</b>	<b>Demonstrate creativity and innovation</b>	<a href="#">Agriscience Fair:</a> Methods/Project Design	<a href="#">Broilers/Rabbit CDE:</a> Marketing Project	Greenhouse Design Project	Upcycling Project	SAE planning	Marketing CDE
PS4A	Regularly think of ideas that solve problems in new and different ways	<a href="#">Discussion Meet</a>	<a href="#">Biosecurity: Barn Safety Plan</a>	Landscaping Design & Project	Birdhouses	AET	Ag Sales CDE
PS4B	Contribute ideas in a useful and productive manner to improve the organization	ABM: Create a business plan for a farmers market	Animal Anatomy/Comparison	Animal Anatomy/Comparison	Bird feeders		Conduct & Parli Pro LDE
PS4C	Consider unconventional ideas and suggestions as solutions to issues, tasks or problems and distinguish which ideas will add greatest value		ABM: Create a business plan a freezer beef business.	ABM: Create a business plan for a greenhouse or flower shop.			National Chapter Application /POA
PS4D	Seek new methods, practices and ideas from a variety of sources and seek to apply those ideas to the workplace		ABM: Create a business plan a Non-traditional animal industry (ex: honey, elk, alligators, etc)				
PS4E	Take action on ideas and understand how to bring innovation to an organization						
<b>PS5</b> <b>Standard</b>	<b>Apply appropriate academic and technical skills</b>	<a href="#">Agriscience Fair:</a> Conclusion	Broilers/Rabbit: CDE Report	Hydroponics	Water Testing	SAE planning	All CDE's

PS5A	Use knowledge and skills to be productive	<a href="#">Discussion Meet</a>	Raising schools animals (laying hens, goats, sheep, etc.)	Planting Seeds/Plugs	Macroinvertebrate Sampling	AET	Award Applications
PS5B	Make connections between abstract concepts and real-world applications	Guest speakers	Guest speakers	Guest speakers	Guest speakers		AFNR academic content incorporated into LDE's
PS5C	Make correct insights and apply academic skills in the workplace as appropriate			Greenhouse Design Project			

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<b>Competency</b>	<b>Collaboration (CL)</b>	AFNR Systems	Animal Systems	Plant Systems	Natural Resources/ Envt	<b>Most SAE's are collaboration related.</b>	<b>Most FFA events/activities collaboration related.</b>
<b>CL</b> Competency Statement	Demonstrate <b>collaboration skills</b> consistently and independently						
<b>CL1</b> <b>Standard</b>	<b>Work productively in teams while using cultural global competence</b>	<a href="#">Global Ag Project</a>	Broiler/Rabbit CDE	Greenhouse Design Project (3D Model)	Design a Nature Center		All team Leadership Contests
CL1A	Contribute to every team, whether formal or informal	Evaluate commodities around the world	Barn Management	Daily Greenhouse Management	Composting		Some Career Development Events (CDE)
CL1B	Apply awareness of cultural differences to avoid barriers to productive and positive interaction	Holistic management	Animal Body Systems	Plant Sales	Create Microbiomes/ Biome in a Bottle		Chapter FFA meetings
CL1C	Increase the engagement and contribution of all team members	World Food Prize		Plant Harvesting & Storage	<a href="#">Salmon in the Classroom</a>		Committee meetings
CL1D	Plan and facilitate effective team meetings (in person and virtual)						
<b>CL2</b> <b>Standard</b>	<b>Act as a responsible and contributing citizen and employee</b>	Collaborate with farms/ag businesses to create environmental plans	Collaborate with (animal) farms to create environmental plans	Collaborate with greenhousesto create environmental plans	Earth Day Project/Post Contest	All SAE's	National FFA Resources: <a href="#">FFA Values</a>
CL2A	Understand the obligations and responsibilities of being a member of a community and demonstrate this understanding through interactions with others	Carbon footprint/water usage	<a href="#">MAEAP education/certification</a>	<a href="#">MAEAP education/certification</a>	Creating/ maintaining nature trails		Community service/Service Learning activities
CL2B	Be conscientious of the impact of decisions on others and the environment	Safety Education	Thank You notes for farmers	Community Garden	Carbon footprint/water usage		Food Pantry/Food Drives/Meals of Hope Packaging
CL2C	Identify the near-term and long-term consequences of actions and seeking to act in ways that contribute to the betterment of the team, family, community, and workplace			Plant Sales			
CL2D	Be reliable and consistent in going beyond the minimum expectations and participating in activities that serve the greater good			Thank you notes for farmers			
<b>CL3</b> <b>Standard</b>	<b>Model integrity, ethical leadership and effective management</b>	Classroom Norms/Social Contract	Small Animals Day	Plant Sales	Arbor Day Planting		National FFA Resources: <a href="#">FFA Values</a>
CL3A	Consistently act in ways that align to personal and community-held ideals and principles	<a href="#">Project RED/Ag Day</a>	<a href="#">Project RED/Ag Day</a>	Ag in the Classroom	Earth Day Presentation at the elementary school		Job Interview
CL3B	Employ strategies to positively influence others in the workplace	Job Shadowing	Job Shadowing	Job Shadowing	Job Shadowing		All Leadership Contests
CL3C	Understand integrity and act on this understanding in every decision	Leadership Styles & Personality Types					Chapter FFA officers
CL3D	Use a variety of means to positively impact the direction and actions of a team or organization	Leaders vs. Boss Thinking					Regional FFA events/camp
CL3E	Apply insights into human behavior to change others' actions, attitudes and/or beliefs	Effective Communication					
CL3F	Recognize the near-term and long-term effects that management's actions and attitudes can have on productivity, morale, and organizational culture						

Competency	Personal Management (PM)	A	B	C	D	SAE	FFA
		AFNR Systems	Animal Systems	Plant Systems	Natural Resources/ Env't	Most SAE's are personal management related.	Most FFA events/activities personal management related.
<b>PM</b> Competency Statement	Demonstrate <u>personal management skills</u> consistently and independently						
<b>PM1 Standard</b>	<b>Attend to personal health and financial well-being</b>	<a href="http://www.theaet.com">www.theaet.com</a> : Update AET accounts to include financial records. <a href="#">Teacher Resources, Gradable AET Assignments, Student Record Book Checklist</a>	<a href="http://www.theaet.com">www.theaet.com</a> : Update AET accounts to include financial records. <a href="#">Teacher Resources, Gradable AET Assignments, Student Record Book Checklist</a>	<a href="http://www.theaet.com">www.theaet.com</a> : Update AET accounts to include financial records. <a href="#">Teacher Resources, Gradable AET Assignments, Student Record Book Checklist</a>	<a href="http://www.theaet.com">www.theaet.com</a> : Update AET accounts to include financial records. <a href="#">Teacher Resources, Gradable AET Assignments, Student Record Book Checklist</a>	<a href="#">SAE for All</a> ; <a href="#">SAE Idea Cards</a> , <a href="#">SAE Career Videos</a> , <a href="#">SAE Videos</a> , National FFA Resources: <a href="#">SAE Video Lessons</a> , <a href="#">SAE Resources Guide</a> , <a href="#">SAE Video Choice Board</a>	FFA Recreational activities
PM1A	Understand the relationship between personal health, workplace performance and personal well being	Personality Tests/Quizzes: <a href="#">16 Personalities</a> , <a href="#">Enneagram</a> , <a href="#">True Colors Slide Presentation</a> , <a href="#">True Colors Quiz</a>	Nutrition Education	Nutrition Education	Natural Resources Day: Hiking, Kayaking, Water Testing, Tree ID	<a href="#">AET</a>	
PM1B	Act on an understanding to regularly practice healthy diet, exercise, and mental health activities	Stress Management Techniques <a href="#">Homesteading Science</a> - Great middle school resource for general AFNR	Goat Yoga	Composting, Home gardening Chemical/pest/PPE safety	Outdoor Cooking Unit		
PM1C	Take regular action to contribute to personal financial well-being		Animal handling/biosecurity safety				
PM1D	Recognize that personal financial security provides the peace of mind required to contribute more fully to career success	Personal Finance - Adulting 101 - Cyber Safety					
<b>PM2 Standard</b>	<b>Plan education and career paths aligned to personal goals</b>	Job Shadowing	Job Shadowing	Job Shadowing	Job Shadowing	SAE planning	Award Applications
PM2A	Take personal ownership of educational goals and career goals and regularly act on a plan to attain these goals	Industry Field Trips	Industry Field Trips	Industry Field Trips	Industry Field Trips	<a href="#">AET</a>	<a href="#">AET</a>
PM2B	Understand personal interests, preferences, and goals	Guest Speakers	Guest Speakers	Guest Speakers	Guest Speakers		
PM2C	Display perspective regarding the career pathways available and the time, effort, experience, and other requirements to pursue each, including the path of entrepreneurship	<a href="#">Ag Explorer Career Quiz</a>					
PM2D	Recognize the value of each step in the educational and experiential process						
PM2E	Recognize that nearly all career paths require ongoing education and experience						
PM2F	Seek counselors, mentors, and other experts to assist in the planning and execution of career and personal goals						

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<b>Competency</b>	<b>Communication (CM)</b>	AFNR Systems	Animal Systems	Plant Systems	Natural Resources/ Envt	<b>Most SAE's are communication related.</b>	<b>Most FFA events/activities communication related.</b>
<b>CM</b> Competency Statement	Demonstrate <b>communication skills</b> consistently and independently						
<b>CM1 Standard</b>	<b>Communicate clearly and effectively and with reason</b>	Create & Present a Public Speech.	Create & Present a Public Speech.	Create & Present a Public Speech.	Create & Present a Public Speech.	SAE planning	All LDE's
CM1A	Communicate thoughts, ideas and action plans with clarity, whether using written, verbal and/or visual methods	Persuasive Essay: The Impact of ANFR on Our Environment	Persuasive Essay: Corn Fed vs. Pasture Meat	Persuasive Essay: GMOs vs. Conventional Crops	Persuasive Essay: The Impact of Production Ag on Our Water Supply	<a href="#">AET</a>	Discussion Meet
CM1B	Communicate in the workplace with clarity and purpose to make maximum use of your own and others' time	Create a Social Media Post to Promotion AFNR Safety	Science Talk: Adopt or Shop, Should there be restrictions on certain pet breeds in public areas?	Science Talk: Organic Farming	Science Talk: Watermanagement, Land-use, Silent Springs - Pesticide Use		#SpeakAg Challenge
CM1C	Write master conventions, word choice and organization, and use effective tone and presentation skills to articulate ideas						
CM1D	Interact with others; actively listen and speak clearly and with purpose						
CM1E	Consider the audience for all communications and prepare accordingly to ensure the desired outcome						
<b>CM2 Standard</b>	<b>Use technology to enhance productivity</b>	Using canva to create publications.	Feed-Conversation & Rate-of-Gain Graphing & Analysis Tour of a Robotic Dairy	Precision Agriculture	Stream Water Testing (the orange method) Water velocity	SAE planning	Award Applications
CM2A	Maximize the productive value of existing and new technology to accomplish workplace tasks and solve workplace problems	Using Google/Microsoft Suites for a Professional Audience		Drones		<a href="#">AET</a>	<a href="#">AET</a>
CM2B	Flexible and adaptive in acquiring and using new technology	Ag Mechanics Equipment ID		Greenhouse Technology: Ventilation, watering systems, fertilizer systems Strawberry DNA Lab	Weather Balloons		
CM2C	Proficient with ubiquitous technology applications						
CM2D	Understand and take actions to prevent or mitigate inherent risks of technology applications both personal and organizational						