

# Practicum in Agriculture, Food & Natural Resources: Applied Agricultural Engineering At-A-Glance - Lamar CISD

Ongoing Skills Imbedded All Year	Professional Standards/Employability Skills/Technical Skills		
	PrAAE 1(A) The student will adhere to policies and procedures. PrAAE 1(B) The student will demonstrate positive work behaviors and attitudes, including punctuality, time management, initiative, and cooperation. PrAAE 1(C) The student will apply constructive criticism and critical feedback from supervisor and peers. PrAAE 1(D) The student will apply ethical reasoning to a variety of situations in order to make ethical decisions. PrAAE 1(E) The student will complete tasks with high standards to ensure quality products and services. PrAAE 1(F) The student will model professional appearance, including using appropriate dress, grooming, and personal protective equipment. PrAAE 1(G) The student will comply with practicum setting safety rules and regulations to maintain safe and healthful working conditions and environments.		
Grading Period	Unit Name	Estimated Time Frame	TEKS
Grading Period 1 29 Days	<b>Pre-Practicum</b>		
	<b>Professional Standards/Employability Skills</b>	<b>6 Days</b>	1A, 1B, 1C, 1D, 1E, 1F, 1G
	PrAAE 1(A) The student will adhere to policies and procedures. PrAAE 1(B) The student will demonstrate positive work behaviors and attitudes, including punctuality, time management, initiative, and cooperation. PrAAE 1(C) The student will apply constructive criticism and critical feedback from supervisor and peers. PrAAE 1(D) The student will apply ethical reasoning to a variety of situations in order to make ethical decisions. PrAAE 1(E) The student will complete tasks with high standards to ensure quality products and services. PrAAE 1(F) The student will model professional appearance, including using appropriate dress, grooming, and personal protective equipment. PrAAE 1(G) The student will comply with practicum setting safety rules and regulations to maintain safe and healthful working conditions and environments.		
	<b>Record Keeping &amp; CTSO</b>	<b>9 Days</b>	2A, 2B, 2C, 2D
	PrAAE 2(A) The student will plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity. PrAAE 2(B) The student will apply proper record-keeping skills as they relate to the supervised agriculture experience. PrAAE 2(C) The student will participate in youth leadership opportunities to create a well-rounded experience program. PrAAE 2(D) The student will produce and participate in a local program of activities using a strategic planning process.		
	<b>Leadership and Team Work</b>	<b>4 Days</b>	4B, 4C, 4D, 4E, 4F, 4G, 4H
	PrAAE 4(B) The student will demonstrate teamwork skills through working cooperatively with others to achieve tasks. PrAAE 4(C) The student will demonstrate teamwork processes that promote team-building, consensus, continuous improvement, respect for the opinions of others, cooperation, adaptability, and conflict resolution. PrAAE 4(D) The student will demonstrate responsibility for shared group and individual work tasks. PrAAE 4(E) The student will establish and maintain effective working relationships in order to accomplish objectives and tasks. PrAAE 4(F) The student will demonstrate effective working relationships using interpersonal skills in order to accomplish objectives and tasks. PrAAE 4(G) The student will negotiate and work cooperatively with others using positive interpersonal skills. PrAAE 4(H) The student will demonstrate respect for individuals, including those from different cultures, genders, and backgrounds, and value for diversity.		
<b>Communication Skills</b>	<b>10 Days</b>	5A, 5B, 5C, 5D, 5E, 5F, 5G	
PrAAE 5(A) The student will apply appropriate content knowledge, technical concepts, and vocabulary when analyzing information and following directions. PrAAE 5(B) The student will employ verbal skills when obtaining and conveying information. PrAAE 5(C) The student will review, use, and apply informational texts, Internet sites, or technical materials for occupational tasks. PrAAE 5(D) The student will evaluate the reliability of information from informational texts, Internet sites, or technical materials and resources. PrAAE 5(E) The student will interpret verbal and nonverbal cues and behaviors to enhance communication. PrAAE 5(F) The student will apply active listening skills to obtain and clarify information. PrAAE 5(G) The student will facilitate effective written and oral communication using academic skills.			

<b>Grading Period 2</b> <b>27 Days</b>	<b>Safety Laws</b>	<b>11 Days</b>	6G, 6E, 7C
	PrAAE 6(G) The student will describe and perform hazard analysis and follow safety laws. PrAAE 6(E) The student will describe and develop marketing strategies for agricultural and natural resources. PrAAE 7(C) The student will explain the principles of safe operation of tools and equipment related to the practicum.		
	<b>Section 2: TEKS Checklist Components for Practicum in Agriculture, Food, and Natural Resources</b>		
	<b>Professional Standards/Employability Skills</b>	<b>6 Days</b>	1A, 1B, 1C, 1D, 1E, 1F, 1G
	PrAAE 1(A) The student will adhere to policies and procedures. PrAAE 1(B) The student will demonstrate positive work behaviors and attitudes, including punctuality, time management, initiative, and cooperation. PrAAE 1(C) The student will apply constructive criticism and critical feedback from supervisor and peers. PrAAE 1(D) The student will apply ethical reasoning to a variety of situations in order to make ethical decisions. PrAAE 1(E) The student will complete tasks with high standards to ensure quality products and services. PrAAE 1(F) The student will model professional appearance, including using appropriate dress, grooming, and personal protective equipment. PrAAE 1(G) The student will comply with practicum setting safety rules and regulations to maintain safe and healthful working conditions and environments.		
<b>Record Keeping</b>	<b>10 Days</b>	2A, 2B	
PrAAE 2(A) The student will plan, propose, conduct, document, and evaluate a supervised agriculture experience program as an experiential learning activity. PrAAE 2(B) The student will apply proper record-keeping skills as they relate to the supervised agriculture experience.			
<b>Grading Period 3</b> <b>28 Days</b>	<b>Leadership &amp; Team Work</b>	<b>28 Days</b>	4B, 4C, 4D, 4E, 4F, 4G, 4H
	PrAAE 4(B) The student will demonstrate teamwork skills through working cooperatively with others to achieve tasks. PrAAE 4(C) The student will demonstrate teamwork processes that promote team-building, consensus, continuous improvement, respect for the opinions of others, cooperation, adaptability, and conflict resolution. PrAAE 4(D) The student will demonstrate responsibility for shared group and individual work tasks. PrAAE 4(E) The student will establish and maintain effective working relationships in order to accomplish objectives and tasks. PrAAE 4(F) The student will demonstrate effective working relationships using interpersonal skills in order to accomplish objectives and tasks. PrAAE 4(G) The student will negotiate and work cooperatively with others using positive interpersonal skills. PrAAE 4(H) The student will demonstrate respect for individuals, including those from different cultures, genders, and backgrounds, and value for diversity.		
<b>Grading Period 4</b> <b>31 Days</b>	<b>Communication Skills</b>	<b>13 Days</b>	5A, 5B, 5C, 5D, 5E, 5F, 5G, 7A
	PrAAE 5(A) The student will apply appropriate content knowledge, technical concepts, and vocabulary when analyzing information and following directions. PrAAE 5(B) The student will employ verbal skills when obtaining and conveying information. PrAAE 5(C) The student will review, use, and apply informational texts, Internet sites, or technical materials for occupational tasks. PrAAE 5(D) The student will evaluate the reliability of information from informational texts, Internet sites, or technical materials and resources. PrAAE 5(E) The student will interpret verbal and nonverbal cues and behaviors to enhance communication. PrAAE 5(F) The student will apply active listening skills to obtain and clarify information. PrAAE 5(G) The student will facilitate effective written and oral communication using academic skills. PrAAE 7(A) The student will develop advanced technical knowledge and skills related to the personal occupational objective.		
	<b>Equipment Maintenance</b>	<b>18 Days</b>	6C, 6F, 6G
PrAAE 6(C) The student will practice equipment maintenance procedures. PrAAE 6(F) The student will decide between replacement, maintenance, repair, and reconditioning of agricultural vehicles and machinery. PrAAE 6(G) The student will describe and perform hazard analysis and follow safety laws.			

<b>Grading Period 5 30 Days</b>	<b>Section 3: Critical-Thinking and Problem-Solving: Practicum Check-In 1</b>		
	<b>Critical Thinking &amp; Problem Solving</b>	<b>18 Days</b>	3A, 3B, 3C, 3D
	PrAAE 3(A) The student will analyze elements of a problem to develop creative and innovative solutions. PrAAE 3(B) The student will analyze information to determine value to the problem-solving task. PrAAE 3(C) The student will compare and contrast alternatives using a variety of problem-solving and critical-thinking skills. PrAAE 3(D) The student will conduct technical research to gather information necessary for decision making.		
	<b>Communications</b>	<b>12 Days</b>	5A, 5B, 5C, 5D, 5G, 7B
	PrAAE 5(A) The student will apply appropriate content knowledge, technical concepts, and vocabulary when analyzing information and following directions. PrAAE 5(B) The student will employ verbal skills when obtaining and conveying information. PrAAE 5(C) The student will review, use, and apply informational texts, Internet sites, or technical materials for occupational tasks. PrAAE 5(D) The student will evaluate the reliability of information from informational texts, Internet sites, or technical materials and resources. PrAAE 5(G) The student will facilitate effective written and oral communication using academic skills. PrAAE 7(B) The student will evaluate strengths and weaknesses in technical skill proficiency.		
<b>Grading Period 6 27 Days</b>	<b>Safety &amp; Certifications</b>	<b>7 Days</b>	7C, 7D
	PrAAE 7(C) The student will explain the principles of safe operation of tools and equipment related to the practicum. PrAAE 7(D) The student will pursue opportunities for licensure or certification related to chosen career path.		
	<b>Unit 4: Check List Progress and CTSO Activities: Practicum Check-In 2</b>		
	<b>Leadership &amp; Team Work</b>	<b>5 Days</b>	4A, 4B, 4C
	PrAAE 4(A) The student will analyze leadership characteristics in relation to trust, positive attitude, integrity, and willingness to accept key responsibilities in a work situation. PrAAE 4(B) The student will demonstrate teamwork skills through working cooperatively with others to achieve tasks. PrAAE 4(C) The student will demonstrate teamwork processes that promote team-building, consensus, continuous improvement, respect for the opinions of others, cooperation, adaptability, and conflict resolution.		
	<b>Communications</b>	<b>5 Days</b>	5A, 5B, 5C, 5D, 5G
	PrAAE 5(A) The student will apply appropriate content knowledge, technical concepts, and vocabulary when analyzing information and following directions. PrAAE 5(B) The student will employ verbal skills when obtaining and conveying information. PrAAE 5(C) The student will review, use, and apply informational texts, Internet sites, or technical materials for occupational tasks. PrAAE 5(D) The student will evaluate the reliability of information from informational texts, Internet sites, or technical materials and resources. PrAAE 5(G) The student will facilitate effective written and oral communication using academic skills.		
	<b>Section 5: Portfolios and Practicum Culminating Activities</b>		
	<b>Agriculture Resources</b>	<b>5 Days</b>	6A, 6B, 6D,
	PrAAE 6(A) The student will discuss the importance of agricultural and natural resources to individuals and society. PrAAE 6(B) The student will develop long-range land, water, and air quality management plans. PrAAE 6(D) The student will analyze the cost and maintenance of tools, equipment, and structures used in agriculture.		
<b>Portfolio</b>	<b>5 Days</b>	6G, 7A, 7B, 7C, 7D, 8A, 8Ai, 8Aii, 8Aiii, 8Aiv, 8Av, 8Avii, 8Aviii, 8B	
PrAAE 6(G) The student will describe and perform hazard analysis and follow safety laws. PrAAE 7(A) The student will develop advanced technical knowledge and skills related to the personal occupational objective. PrAAE 7(B) The student will evaluate strengths and weaknesses in technical skill proficiency. PrAAE 7(C) The student will explain the principles of safe operation of tools and equipment related to the practicum. PrAAE 7(D) The student will pursue opportunities for licensure or certification related to chosen career path.			

	<p>PrAAE 8(Ai) The student will create a professional portfolio to include attainment of technical skill competencies.</p> <p>PrAAE 8(Aii) The student will create a professional portfolio to include licensures or certifications.</p> <p>PrAAE 8(Aiii) The student will create a professional portfolio to include recognitions, awards, and scholarships.</p> <p>PrAAE 8(Aiv) The student will create a professional portfolio to include extended learning experiences such as community service and active participation in career and technical student organizations and professional organizations.</p> <p>PrAAE 8(Av) The student will create a professional portfolio to include abstract of key points of the practicum.</p> <p>PrAAE 8(Avi) The student will create a professional portfolio to include a resume.</p> <p>PrAAE 8(Avii) The student will create a professional portfolio to include samples of work.</p> <p>PrAAE 8(Aviii) The student will create a professional portfolio to include evaluation from the practicum supervisor.</p> <p>PrAAE 8(B) The student will present the portfolio to interested stakeholders.</p>
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