

Practicum in Veterinary Medical Applications

At-A-Glance - Lamar CISD

Professional Standards/Employability Skills/Technical Skills			
Ongoing Skills Imbedded All Year	<p>PracVMA 1(A) The student will adhere to policies and procedures.</p> <p>PracVMA 1(B) The student will demonstrate positive work behaviors and attitudes, including, punctuality, time management, initiative, and cooperation.</p> <p>PracVMA 1(C) The student will value and use constructive criticism and critical feedback from supervisor and peers.</p> <p>PracVMA 1(D) The student will apply ethical reasoning to a variety of situations in order to make ethical decisions.</p> <p>PracVMA 1(E) The student will complete tasks with the highest standards to ensure quality products and services.</p> <p>PracVMA 1(F) The student will model professional appearance, including dress, grooming, and personal protective equipment as appropriate.</p> <p>PracVMA 1(G) The student will comply with practicum setting safety rules and regulations to maintain safe and healthful working conditions and environments.</p>		
Ongoing Ways to Show	<p>Keep work areas clean and demonstrate knowledge of basic sanitary procedures.</p> <p>Handle animals in a safe, humane manner.</p> <p>Use proper procedure for placing animal in cages, large animals in stall, moving cattle/horses through chutes and safely haltering/releasing a large animal.</p> <p>Observes patients and reports observations to attending veterinarian.</p>		
Grading Period	Unit Name	Estimated Time Frame	TEKS
Grading Period 1 29 Days	Introduction to Veterinary Medical Applications	15 Days	<p>1A, 1B, 1C, 1D, 1E, 1F, 1G, 3A, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 5A, 5B, 6A, 6D, 7A, 7B, 7C, 7D, 8Ai, 8Aii, 8Aiii, 8Aiv, 8Av, 8Avi</p>
	<p>PracVMA 1(A) The student will adhere to policies and procedures.</p> <p>PracVMA 1(B) The student will demonstrate positive work behaviors and attitudes, including, punctuality, time management, initiative, and cooperation.</p> <p>PracVMA 1(C) The student will value and use constructive criticism and critical feedback from supervisor and peers.</p> <p>PracVMA 1(D) The student will apply ethical reasoning to a variety of situations in order to make ethical decisions.</p> <p>PracVMA 1(E) The student will complete tasks with the highest standards to ensure quality products and services.</p> <p>PracVMA 1(F) The student will model professional appearance, including dress, grooming, and personal protective equipment as appropriate.</p> <p>PracVMA 1(G) The student will comply with practicum setting safety rules and regulations to maintain safe and healthful working conditions and environments.</p> <p>PracVMA 3(A) The student will analyze leadership in relation to trust, positive attitude, integrity, and willingness to accept key responsibilities in a work situation.</p> <p>PracVMA 3(B) The student will demonstrate teamwork skills through working cooperatively with others to achieve tasks.</p> <p>PracVMA 3(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.</p> <p>PracVMA 3(D) The student will demonstrate responsibility for shared group and individual work tasks.</p> <p>PracVMA 3(E) The student will establish and maintain effective working relationships in order to accomplish objectives and tasks.</p> <p>PracVMA 3(F) The student will demonstrate effective working relationships using interpersonal skills in order to accomplish objectives and tasks.</p> <p>PracVMA 3(G) The student will use positive interpersonal skills to negotiate and work cooperatively with others.</p> <p>PracVMA 5(A) The student will discuss the importance of agricultural and natural resources to individuals and society.</p> <p>PracVMA 5(B) The student will develop long-range land, water, and air quality management plans.</p> <p>PracVMA 6(A) The student will develop advanced technical knowledge and skills related to the personal occupational objective.</p> <p>PracVMA 6(D) The student will pursue opportunities for licensure or certification relating to chosen career path.</p> <p>PracVMA 7(A) The student will plan, propose, conduct, and evaluate entrepreneurship; placement; exploratory; research, either experimental or analytical; improvement; supplementary; laboratory-based; or other identified, supervised agricultural experience as an experiential learning activity.</p> <p>PracVMA 7(B) The student will apply proper record-keeping skills as they relate to a supervised experience.</p> <p>PracVMA 7(C) The student will design and use a customized record-keeping system for the individual supervised experience.</p> <p>PracVMA 7(D) The student will employ youth leadership opportunities to create a well-rounded experience program in agriculture.</p> <p>PracVMA 8(Ai) The student will update a professional portfolio to include attainment of technical skill competencies.</p> <p>PracVMA 8(Aii) The student will update a professional portfolio to include licensures or certifications.</p> <p>PracVMA 8(Aiii) The student will update a professional portfolio to include recognitions, awards, and scholarships.</p> <p>PracVMA 8(Aiv) The student will update 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>PracVMA 8(Av) The student will update a professional portfolio to include abstract of key points of the practicum. PracVMA 8(Avi) The student will update a professional portfolio to include resumé.</p>		
	<p>Clinical Prep Review</p>	<p>14 Days</p>	<p>1G, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 6A, 6B, 6C, 6D, 7A, 7B, 7C, 7D, 7E</p>
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<p>Grading Period 2 26 Days</p>	<p>Technical Knowledge & Skills</p>	<p>13 Days</p>	<p>1A, 1B, 1C, 1D, 1E, 1F, 1G, 3A, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 4A, 4B, 4C, 4D, 4E, 4F, 4G, 6A, 6B, 6C, 6D, 7A, 7B, 7C, 7D, 7E</p>
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	<p>PracVMA 4(C) The student will use informational texts, Internet sites, or technical materials to review and apply information sources for occupational tasks.</p> <p>PracVMA 4(D) The student will evaluate the reliability of information from informational texts, Internet sites, or technical materials and resources.</p> <p>PracVMA 4(E) The student will interpret verbal and nonverbal cues and behaviors to enhance communication.</p> <p>PracVMA 4(F) The student will apply active listening skills to obtain and clarify information.</p> <p>PracVMA 4(G) The student will use academic skills to facilitate effective written and oral communication.</p> <p>PracVMA 6(A) The student will develop advanced technical knowledge and skills related to the personal occupational objective.</p> <p>PracVMA 6(B) The student will evaluate strengths and weaknesses in technical skill proficiency.</p> <p>PracVMA 6(C) The student will explain the principles of safe operation of tools and equipment related to the practicum.</p> <p>PracVMA 6(D) The student will pursue opportunities for licensure or certification relating to chosen career path.</p> <p>PracVMA 7(A) The student will plan, propose, conduct, and evaluate entrepreneurship; placement; exploratory; research, either experimental or analytical; improvement; supplementary; laboratory-based; or other identified, supervised agricultural experience as an experiential learning activity.</p> <p>PracVMA 7(B) The student will apply proper record-keeping skills as they relate to a supervised experience.</p> <p>PracVMA 7(C) The student will design and use a customized record-keeping system for the individual supervised experience.</p> <p>PracVMA 7(D) The student will employ youth leadership opportunities to create a well-rounded experience program in agriculture.</p> <p>PracVMA 7(E) The student will produce a challenging approach for a local program of activities in agriculture.</p>			
<p>Advanced Anatomy/Physiology</p>	<table border="1"> <tr> <td data-bbox="284 598 938 976"></td> <td data-bbox="938 598 1166 976"> <p>13 Days</p> </td> <td data-bbox="1166 598 1529 976"> <p>1A, 1B, 1C, 1D, 4A, 4B, 4C, 4D, 4E, 6A, 6B, 6C, 6D, 9A, 9B, 9C, 9D, 9E, 9F, 2D, 2E, 12A, 12B, 12C, 12D, 12E, 15A, 15B, 15C, 15D, 15E, 8A, 8B, 8C, 8D, 8E, 8F, 8G, 8H, 8I, 10A, 10B, 10C, 14A, 14B, 14C, 14D, 14E, 14F</p> </td> </tr> </table>		<p>13 Days</p>	<p>1A, 1B, 1C, 1D, 4A, 4B, 4C, 4D, 4E, 6A, 6B, 6C, 6D, 9A, 9B, 9C, 9D, 9E, 9F, 2D, 2E, 12A, 12B, 12C, 12D, 12E, 15A, 15B, 15C, 15D, 15E, 8A, 8B, 8C, 8D, 8E, 8F, 8G, 8H, 8I, 10A, 10B, 10C, 14A, 14B, 14C, 14D, 14E, 14F</p>
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	<p>Career and Work Place</p> <p>VMA 1(A) The student will identify career development and entrepreneurship opportunities in the field of veterinary science.</p> <p>VMA 1(B) The student will demonstrate competencies related to resources, information, interpersonal skills, and systems of operation in veterinary science.</p> <p>VMA 1(C) The student will demonstrate knowledge of personal and occupational health and safety practices in the workplace.</p> <p>VMA 1(D) The student will identify employers' expectations, including appropriate work habits, ethical conduct, legal responsibilities, and good citizenship skills.</p> <p>Anatomical</p> <p>VMA 4(A) The student will analyze veterinary terms to discover their meanings and recognize common Greek and Latin prefixes, suffixes, and roots.</p> <p>VMA 4(B) The student will develop appropriate use of directional anatomical terms.</p> <p>VMA 4(C) The student will identify anatomical structures of animals.</p> <p>VMA 4(D) The student will describe the major body systems by using appropriate medical terminology.</p> <p>VMA 4(E) The student will recognize, pronounce, spell, and define medical terms relating to diagnosis, pathology, and treatment of animals.</p> <p>Systems</p> <p>VMA 6(A) The student will identify the parts of the skeletal, muscular, respiratory, circulatory, digestive, endocrine, and nervous systems.</p> <p>VMA 6(B) The student will describe the functions of the skeletal, muscular, respiratory, circulatory, digestive, endocrine, and nervous systems.</p> <p>VMA 6(C) The student will identify appropriate anatomical sites for injections, measuring vital signs, and collecting blood samples for various animal species.</p> <p>VMA 6(D) The student will use medical terminology to describe normal animal behavior and vital signs compared to sick animals.</p> <p>Health</p> <p>VMA 9(A) The student will describe the characteristics and signs of a healthy animal.</p> <p>VMA 9(B) The student will recognize examples of abnormalities and relate them to the associated problems and illnesses.</p> <p>Physical Exams</p> <p>VMA 9(C) The student will take temperature, pulse, and respiration for a variety of animals.</p> <p>VMA 9(D) The student will describe effects of age, stress, and environmental factors on vital signs of animals.</p> <p>VMA 9(E) The student will explain procedures for physical examinations.</p> <p>VMA 9(F) The student will explain the regional approach to assess an animal's health.</p>			

	<p>Laboratory Tests VMA 12(A) The student will describe laboratory tests and explain the importance of proper laboratory procedures. VMA 12(B) The student will demonstrate the procedures used in collecting, handling, preparing, and examining fecal, blood, and urine specimens. VMA 12(C) The student will discuss normal and abnormal results obtained in complete blood counts. VMA 12(D) The student will explain sensitivity testing and how to read testing results. VMA 12(E) The student will prepare microscope slides, preserve specimens, and perform several of the most common laboratory tests.</p> <p>Medication VMA 15(A) The student will identify medications according to their classification, form, routes, and methods of administration. VMA 15(B) The student will explain handling and distribution, protocol, and laws for controlled substances.</p> <p>Medication & Dosage VMA 15(C) The student will calculate dosage using factors such as concentration of drug, weight of animal, and required dosage. VMA 15(D) The student will complete a prescription label with identifiers that are required by the United States Food and Drug Administration. VMA 15(E) The student will select equipment and instruments used to give medications.</p> <p>Diseases VMA 8(A) The student will identify factors that influence the health of animals. VMA 8(B) The student will identify pathogens and describe the effects that diseases have on various body systems. VMA 8(C) The student will explain the best courses of treatment for common diseases. VMA 8(D) The student will describe the process of immunity and disease transmission.</p> <p>Parasites VMA 8(E) The student will identify internal and external parasites using common and scientific names. VMA 8(F) The student will describe life cycles of common parasites. VMA 8(G) The student will explain how parasites are transmitted and their effect on the host. VMA 8(H) The student will conduct parasitic diagnostic procedures VMA 8(I) The student will describe types of treatments for diseases and parasites.</p> <p>Imaging VMA 10(A) The student will identify imaging equipment such as ultrasonograph, endoscope, electrocardiograph, and radiograph. VMA 10(B) The student will explain safety procedures, maintenance, and operation of imaging equipment. VMA 10(C) The student will demonstrate patient restraint and positioning methods used for imaging purposes.</p> <p>Surgery Protocol VMA 14(A) The student will explain the protocol for pre-surgical and post-surgical care of a patient. VMA 14(B) The student will describe methods used in the sterilization and preparation of small and large animal surgery packs. VMA 14(C) The student will review skills involved in patient and surgical room preparation.</p> <p>Surgical Procedures VMA 14(D) The student will describe surgical skills such as castration, dehorning, and docking. VMA 14(E) The student will describe care of newborn, orphan, and recumbent patients. VMA 14(F) The student will identify and monitor equipment used in surgical procedures.</p>		
<p>Grading Period 3 25 Days</p>	<p>Animal Care</p>	<p>13 Days</p>	<p>1C, 1E, 1G, 2B, 2C, 2D, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 4A, 4B, 4C, 4D, 4E, 4F, 4G, 6A, 6D, 7A, 7B,</p>
	<p>Animal Management</p>	<p>12 Days</p>	<p>7C, 7D, 7E, 8Ai, 8Aii, 8Aiii, 8Aiv, 8Av, 8Avi, 8Avii, 8Aviii</p>
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<p>Grading Period 4 32 Days</p>	<p>Large Animal Hospital Procedures</p>	<p>16 Days</p>	<p>1C, 1E, 1G, 2B, 2C, 2D, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 4A, 4B, 4C, 4D, 4E, 4F, 4G, 6A, 6D, 7A, 7B, 7C, 7D, 7E, 8Ai, 8Aii, 8Aiii, 8Aiv, 8Av, 8Avi, 8Avii, 8Aviii</p>
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	<p>Advanced Animal Hospital Procedures 1</p>	<p>16 Days</p> <p>1A, 1B, 1C, 1D, 1E, 1F, 1G, 2B, 2C, 2D, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 4A, 4B, 4C, 4D, 4E, 4F, 4G, 5C, 5D, 5F, 6A, 6C, 6D, 7A, 7B, 7C, 7D, 7E, 8Ai, 8Aii, 8Aiii, 8Aiv, 8Av, 8Avi, 8Avii, 8Aviii</p>
	<p>PracVMA 1(A) The student will adhere to policies and procedures.</p> <p>PracVMA 1(B) The student will demonstrate positive work behaviors and attitudes, including, punctuality, time management, initiative, and cooperation.</p> <p>PracVMA 1(C) The student will value and use constructive criticism and critical feedback from supervisor and peers.</p> <p>PracVMA 1(D) The student will apply ethical reasoning to a variety of situations in order to make ethical decisions.</p> <p>PracVMA 1(E) The student will complete tasks with the highest standards to ensure quality products and services.</p> <p>PracVMA 1(F) The student will model professional appearance, including dress, grooming, and personal protective equipment as appropriate.</p> <p>PracVMA 1(G) The student will comply with practicum setting safety rules and regulations to maintain safe and healthful working conditions and environments.</p> <p>PracVMA 2(B) The student will critically analyze information to determine value to the problem-solving task.</p> <p>PracVMA 2(C) The student will compare and contrast alternatives using a variety of problem-solving and critical-thinking skills.</p> <p>PracVMA 2(D) The student will conduct technical research to gather information necessary for decision making.</p> <p>PracVMA 3(B) The student will demonstrate teamwork skills through working cooperatively with others to achieve tasks.</p> <p>PracVMA 3(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.</p> <p>PracVMA 3(D) The student will demonstrate responsibility for shared group and individual work tasks.</p> <p>PracVMA 3(E) The student will establish and maintain effective working relationships in order to accomplish objectives and tasks.</p> <p>PracVMA 3(F) The student will demonstrate effective working relationships using interpersonal skills in order to accomplish objectives and tasks.</p> <p>PracVMA 3(G) The student will use positive interpersonal skills to negotiate and work cooperatively with others.</p> <p>PracVMA 3(H) The student will demonstrate respect for individuals, including those from different cultures, genders, and backgrounds, and value for diversity.</p> <p>PracVMA 4(A) The student will demonstrate the use of content, technical concepts, and vocabulary when analyzing information and following directions.</p> <p>PracVMA 4(B) The student will employ verbal skills when obtaining and conveying information.</p> <p>PracVMA 4(C) The student will use informational texts, Internet sites, or technical materials to review and apply information sources for occupational tasks.</p> <p>PracVMA 4(D) The student will evaluate the reliability of information from informational texts, Internet sites, or technical materials and resources.</p> <p>PracVMA 4(E) The student will interpret verbal and nonverbal cues and behaviors to enhance communication.</p> <p>PracVMA 4(F) The student will apply active listening skills to obtain and clarify information.</p> <p>PracVMA 4(G) The student will use academic skills to facilitate effective written and oral communication.</p> <p>PracVMA 5(C) The student will practice equipment maintenance procedures.</p>	

	<p>PracVMA 5(D) The student will analyze the cost and maintenance of tools, equipment, and structures used in agriculture.</p> <p>PracVMA 5(F) The student will decide between replacement, maintenance, repair, and reconditioning of agricultural vehicles and machinery.</p> <p>PracVMA 6(A) The student will develop advanced technical knowledge and skills related to the personal occupational objective.</p> <p>PracVMA 6(C) The student will explain the principles of safe operation of tools and equipment related to the practicum.</p> <p>PracVMA 6(D) The student will pursue opportunities for licensure or certification relating to chosen career path.</p> <p>PracVMA 7(A) The student will plan, propose, conduct, and evaluate entrepreneurship; placement; exploratory; research, either experimental or analytical; improvement; supplementary; laboratory-based; or other identified, supervised agricultural experience as an experiential learning activity.</p> <p>PracVMA 7(B) The student will apply proper record-keeping skills as they relate to a supervised experience.</p> <p>PracVMA 7(C) The student will design and use a customized record-keeping system for the individual supervised experience.</p> <p>PracVMA 7(D) The student will employ youth leadership opportunities to create a well-rounded experience program in agriculture.</p> <p>PracVMA 7(E) The student will produce a challenging approach for a local program of activities in agriculture.</p> <p>PracVMA 8(Ai) The student will update a professional portfolio to include attainment of technical skill competencies.</p> <p>PracVMA 8(Aii) The student will update a professional portfolio to include licensures or certifications.</p> <p>PracVMA 8(Aiii) The student will update a professional portfolio to include recognitions, awards, and scholarships.</p> <p>PracVMA 8(Aiv) The student will update 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>PracVMA 8(Av) The student will update a professional portfolio to include abstract of key points of the practicum.</p> <p>PracVMA 8(Avi) The student will update a professional portfolio to include resumé.</p> <p>PracVMA 8(Avii) The student will update a professional portfolio to include samples of work.</p> <p>PracVMA 8(Aviii) The student will update a professional portfolio to include evaluation from the practicum supervisor.</p>		
	<p>Advanced Animal Hospital Procedures 2</p>	<p>16 Days</p>	<p>1C, 1E, 1G, 2B, 2C, 2D, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 4A, 4B, 4C, 4D, 4E, 4F, 4G, 6A, 6D, 7A, 7B, 7C, 7D, 7E, 8Ai, 8Aii, 8Aiii, 8Aiv, 8Av, 8Avi, 8Avii, 8Aviii</p>
<p>Grading Period 5 32 Days</p>	<p>PracVMA 1(C) The student will value and use constructive criticism and critical feedback from supervisor and peers.</p> <p>PracVMA 1(E) The student will complete tasks with the highest standards to ensure quality products and services.</p> <p>PracVMA 1(G) The student will comply with practicum setting safety rules and regulations to maintain safe and healthful working conditions and environments.</p> <p>PracVMA 2(B) The student will critically analyze information to determine value to the problem-solving task.</p> <p>PracVMA 2(C) The student will compare and contrast alternatives using a variety of problem-solving and critical-thinking skills.</p> <p>PracVMA 2(D) The student will conduct technical research to gather information necessary for decision making.</p> <p>PracVMA 3(B) The student will demonstrate teamwork skills through working cooperatively with others to achieve tasks.</p> <p>PracVMA 3(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.</p> <p>PracVMA 3(D) The student will demonstrate responsibility for shared group and individual work tasks.</p> <p>PracVMA 3(E) The student will establish and maintain effective working relationships in order to accomplish objectives and tasks.</p> <p>PracVMA 3(F) The student will demonstrate effective working relationships using interpersonal skills in order to accomplish objectives and tasks.</p> <p>PracVMA 3(G) The student will use positive interpersonal skills to negotiate and work cooperatively with others.</p> <p>PracVMA 3(H) The student will demonstrate respect for individuals, including those from different cultures, genders, and backgrounds, and value for diversity.</p> <p>PracVMA 4(A) The student will demonstrate the use of content, technical concepts, and vocabulary when analyzing information and following directions.</p> <p>PracVMA 4(B) The student will employ verbal skills when obtaining and conveying information.</p> <p>PracVMA 4(C) The student will use informational texts, Internet sites, or technical materials to review and apply information sources for occupational tasks.</p> <p>PracVMA 4(D) The student will evaluate the reliability of information from informational texts, Internet sites, or technical materials and resources.</p> <p>PracVMA 4(E) The student will interpret verbal and nonverbal cues and behaviors to enhance communication.</p> <p>PracVMA 4(F) The student will apply active listening skills to obtain and clarify information.</p> <p>PracVMA 4(G) The student will use academic skills to facilitate effective written and oral communication.</p> <p>PracVMA 6(A) The student will develop advanced technical knowledge and skills related to the personal occupational objective.</p> <p>PracVMA 6(D) The student will pursue opportunities for licensure or certification relating to chosen career path.</p> <p>PracVMA 7(A) The student will plan, propose, conduct, and evaluate entrepreneurship; placement; exploratory; research, either experimental or analytical; improvement; supplementary; laboratory-based; or other identified, supervised agricultural experience as an experiential learning activity.</p> <p>PracVMA 7(B) The student will apply proper record-keeping skills as they relate to a supervised experience.</p>		

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	<table border="1"> <tr> <td data-bbox="284 443 938 764" style="text-align: center;">Advanced Animal Hospital Procedures 3</td> <td data-bbox="938 443 1154 764" style="text-align: center;">16 Days</td> <td data-bbox="1154 443 1521 764"> 1A, 1B, 1C, 1D, 1E, 1F, 1G, 2B, 2C, 2D, 3A, 3B, 3C, 3D, 3E, 3F, 3G, 4A, 4B, 4C, 4D, 4E, 4F, 4G, 5E, 6A, 6B, 6C, 6D, 7A, 7B, 7C, 7D, 7E, 8Ai, 8Aii, 8Aiii, 8Aiv, 8Av, 8Avi, 8Avii, 8Aviii, 8B </td> </tr> </table>	Advanced Animal Hospital Procedures 3	16 Days	1A, 1B, 1C, 1D, 1E, 1F, 1G, 2B, 2C, 2D, 3A, 3B, 3C, 3D, 3E, 3F, 3G, 4A, 4B, 4C, 4D, 4E, 4F, 4G, 5E, 6A, 6B, 6C, 6D, 7A, 7B, 7C, 7D, 7E, 8Ai, 8Aii, 8Aiii, 8Aiv, 8Av, 8Avi, 8Avii, 8Aviii, 8B
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Grading Period 6 29 Days	Test Preparation	10 Days	5G
	PracVMA 5(G) The student will describe and perform hazard analysis and follow safety laws.		
	Test Preparation & Test	19 Days	