Design Document

Training Title: Cleaning the Teeth of Canines: Dental Health for Dogs

Business Goal and Problem	**Goal**: The Valley Veterinary Clinic will increase by 25% the number of dog cleanings performed in 2025. This will include the dogs who have already come to the clinic for cleaning and will add new patients who are coming for the first time. Patients will consist of smaller dogs that require cleaning every 8 months and larger dogs that come in once a year. **Problem**: As people realize the importance of canine dental health, the demand for canine teeth cleaning is increasing rapidly. The clinic cannot currently meet this demand effectively due to the lack of trained staff. To do so, the clinic must increase the number of certified veterinary technicians who can safely and effectively clean dog teeth in both simple and more complex cases.
Target Audience	Veterinary Dentistry Technicians certified through an educational institution accredited by the American Veterinary Medical Association with at least six months experience as a veterinary technician. Patience and compassion for dogs are imperative.
Learning Objectives	**Terminal LOs:** 1. Assess the dental health condition of a dog presented at the clinic for teeth cleaning. 2. Apply step-by-step procedures to clean a dog's teeth. 3. Educate dog owners on effective at-home practices for maintaining their pets' dental health. **Enabling LOs:** N/A
Training Recommendation	**Delivery Method:** One eLearning Module. This module will introduce the terminology, tools, and skills that will be necessary to conduct mouth examinations and teeth cleaning for dogs. The elearning module contributes to an overall training plan that includes on-the-job and with-the-patient training first as observed, and then as the one being observed in performing the examinations and cleanings. **Approach:** Julia, a narrator, will guide learners through the module. She will speak with the learners directly throughout, explaining the training concepts and offering navigation tips. One other

	character is introduced in the Home Care Options scene. He is a dog owner inquiring about options for maintaining his dog's dental health between clinic visits.
Training Time	Approximately 25 minutes
Deliverables	The following deliverables will be submitted: 1. The Project Storyboard, including the scripts for narration, navigation, and interactions. 2. The Articulate Storyline source files. 3. The files in SCORM-compliant format in a .zip file 4. Infographic with relevant terms and processes to support learner retention.

Training Outline	1. Welcome, Navigation, Learning Objectives
	2. Reasons Dogs Need Dental Health Care
	    a. A list of potential dental and health problems due to lack of dental health include:
	        i. Infection
	        ii. gum and tooth loss
	        iii. oral cancer
	        iv. jaw fractures
	        v. heart, liver, and kidney problems
	        vi. mental cognition
	3. Conducting the Dental Examination
	    a. Prepare the dog, and help them feel safe
	    b. Conduct visual exam
	        i. Look at teeth and gums for tartar, plaque, discoloration, or decay
	        ii. Roof of mouth: observe tissue color or bleeding
	        iii. Check premolars and molars at the back of the mouth for signs of disease
	    c. Conduct the physical examination
	        i. Feel for loose teeth or unseen pockets
	        ii. Feel the roof of the mouth for lumps/abnormalities
	        iii. Check breath for concerning odors
	4. Conduct the Dental Cleaning
	    a. Anesthesia may or may not be necessary

b. Scaling options:
                        i. Terms: Types of calculus
                        ii. Tools: scalers (hand and mechanical), pliers, cotton swabbing
                        iii. Decision point: With and without anesthesia
                            1. Must be permitted by the dog's person
                            2. Administered only by a veterinarian
                    c. Polishing and using fluoride rinse
                        i. The use of fluoride is optional
                    d. Monitor patient during recovery
                        i. Vital signs
                        ii. Comfort and safety
        5. Options Available for Home Care
            a. Diet
            b. Brushing teeth, using dental wipes
            c. Dental chews/bones
            d. Additives to water/sprays
        6. Quiz: Five performance-based questions
        7. Training Wrap-up with Congratulations

| Assessment Plan | **Level 2 Assessment:**

1. A quiz at the end of the elearning module contains five scenario-based graded questions, with a requirement of 80% correct to pass the course successfully. Learners will have two opportunities to pass the quiz before being required to review the entire course. The question formats include multiple choice, multiple response, matching, and true/false questions. Question topics:
   a. Steps required for the examination
   b. Physical components of mouth exam vs visual only
   c. Steps required for the cleaning
   d. Types of calculus: terms and definitions
   e. Options for home dental care
2. Ungraded: Two knowledge checks are included within the module:
   a. The correct order of the steps of the mouth exam (Click and Drag)
   b. Is anesthesia always necessary? (True or False)
3. Ungraded: One scenario-based question asks the learner to select the appropriate step they would take when a dog with pronounced decay comes into the clinic.

Level 3 Assessment: Once the module has been completed, learners will proceed to the on-site hands-on |

	training to observe experienced vet techs conducting the procedures. Learners will be expected to verbally identify the steps for each examination and cleaning process, and the concepts they learned (i.e., terms, tools, options). Staff at the clinic will provide feedback about the extent to which the incoming vet techs are adequately prepared following this elearning course.