

Webinar:

Tools for Teaching Vet Science Foundational Skills



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Who is Realityworks?



We partner with educators, administrators and industry leaders to ensure our offerings meet their needs and make lessons truly meaningful.

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Presented by

Jamey McIntosh

Education Programs Manager

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Attendees will:

- See 4 one-of-a-kind products from Realityworks
- Explore the accompanying standards-aligned lessons, student activities and assessments
- Get implementation tips and tricks



Canine Vet Trainer



Canine Vet Trainer

Canine Vet Trainer Simulator (Male dog)

FAST-Fluid Tall Management System

Realityworks Carrying Bag (duffle style)

Removable bladders

Injection zone between shoulder blades

Lymph nodes for proper palpation

Accessories:

- 1 needle for blood draw/injection (22 gauge)

- 1 catheter for catheterization (8fr)

Quick Start Guide

Curriculum

\$2,999.00 – Canine Vet Trainer

SKU: 47010400



Canine Vet Trainer Usability

Learning Variables

Muzzling

Muzzling

- How to put on a muzzle securely

Restraint Practice

Restraint Training

- Correct Restraint techniques – standing and sitting
- How to hold the animal for injections/draws

Injections

Injections

- Between the shoulder blades
 - Intermuscular Injection
 - Subcutaneous Injection

Blood Draw

Blood Draw

- Jugular Vein Draw
- Cephalic Vein Blood Draw
- Lateral Saphenous Blood Draw

Bladder Palpation

Bladder Palpation

- Full Bladder
- Empty Bladder
- Stones in Bladder

Catheterization

Catheterization

- Proper placement and technique

Standing and Sitting – Good Dog!



Curriculum

Lesson 1: Basic Canine Anatomy

Lesson 2: Veterinary Technician Skills

Lesson 3: Bladder Issues & Palpation

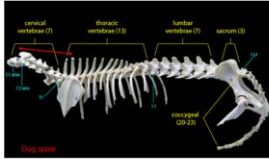
About the Author



Jamie Whittenburg, DVM

Dr. Whittenburg grew up with many family pets and always dreamed of being a veterinarian. With 16 years of clinical practice in both small and large animal medicine and surgery, Dr. Whittenburg loves to share her veterinary knowledge through teaching and writing.

Major Bones of the Dog



- Spine
- Vertebral bodies, intervertebral discs
- Surrounds the spinal cord
- Cervical – 7
- Thoracic – 13
- Lumbar – 7
- Sacral – 3
- Coccygeal - varies

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Basic Canine Anatomy

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Common Bladder Issues in Dogs



Urinary Tract Infections

Bladder Stones

Tumors

Prostate Issues

Incontinence

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Canine Bladder

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Restraint for Lateral Saphenous Access



- Dog lying in comfortable position
- Head, legs, and body controlled
- Tech holds off medial saphenous for venipuncture/injection

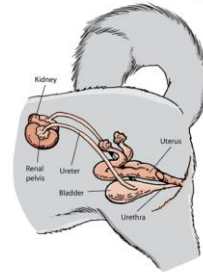
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Veterinary Technician Skills

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Organs of the Dog (Urinary)



- Kidneys
- Ureters
- Bladder
- Urethra

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Basic Canine Anatomy

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Subcutaneous Injections



- Injection given under skin, but above muscle
- Dogs have a large sq space making these injections less painful
- Care must be taken to not pierce all the way through the skin

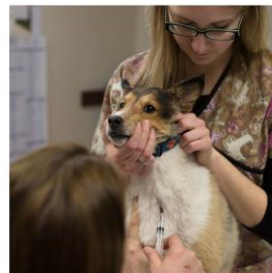
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Veterinary Technician Skills

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Venipuncture in Dogs



- Jugular:
- Ensure holder is restraining correctly
- Hold off the vein by applying pressure at the level of the thoracic inlet
- Palpate vein
- Insert needle with bevel up
- Aspirate blood

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Veterinary Technician Skills

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Feline Vet Trainer



Feline Vet Trainer

Learn the fundamentals of caring for a cat with the Feline Vet Trainer. This full-size trainer allows you to do various skill training to ensure the health of a cat. You can perform CPR on the trainer with both compressions and mouth-to-nose breathing. This trainer also allows you to practice and perfect different holds and restraints when handling a cat. You can practice Cephalic and Lateral venipuncture as well as catheterization on the trainer.

Kit includes:

- Feline Vet Trainer (Male Cat)
- IV bag and stand
- Carrying bag
- Blood draw and catheterization tubing
- Downloadable curriculum (2 lessons)
- 1-year warranty



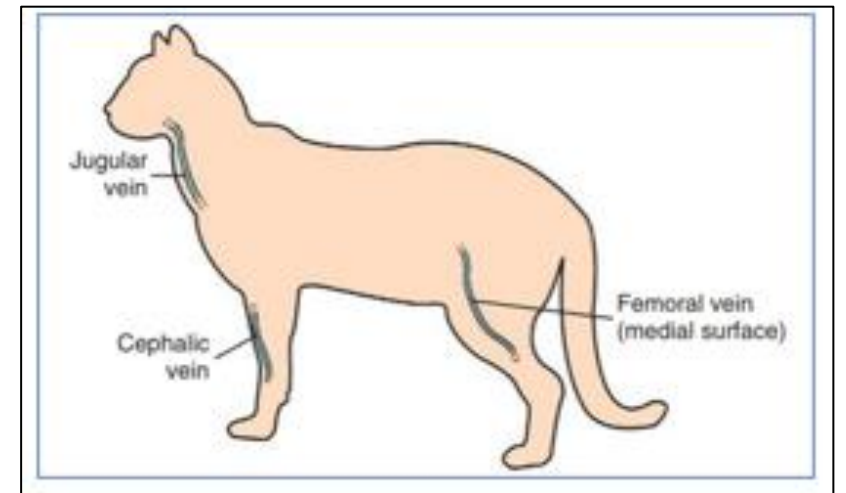
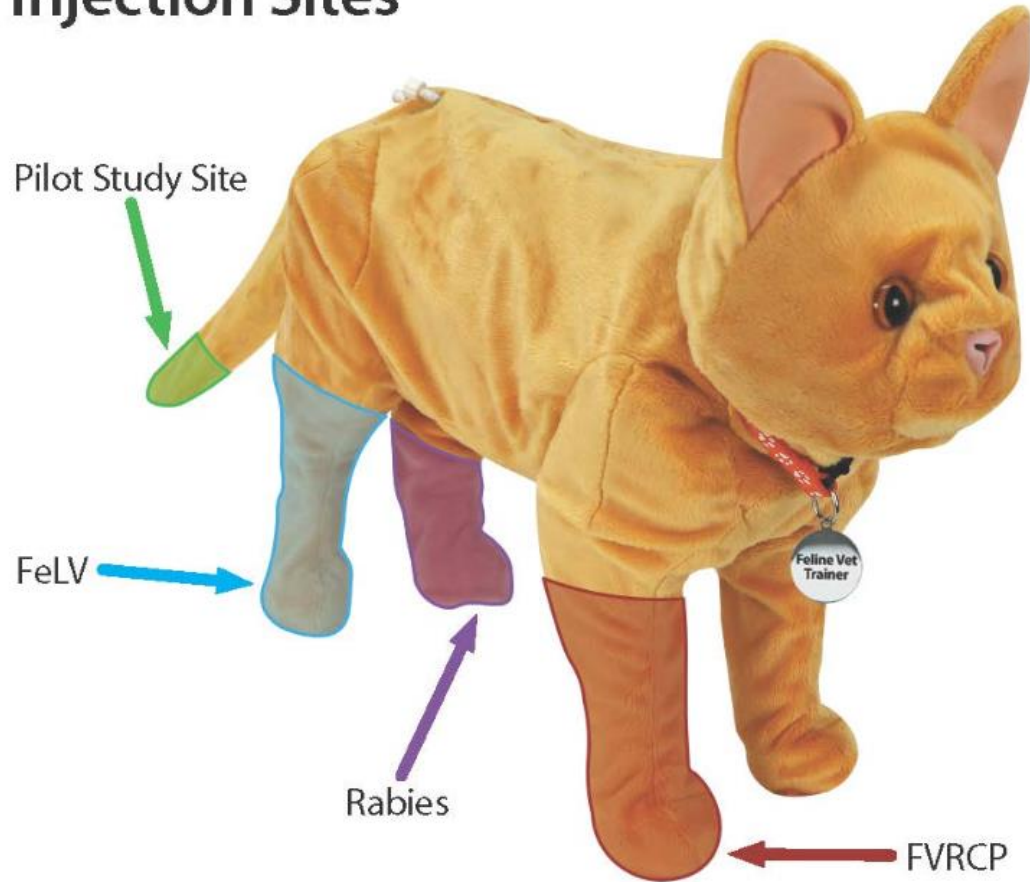
Simulations

- **Realistic blood draw:** femoral and cephalic injections on front and back legs of the cat, jugular blood draw on neck region
- **CPR trainer:** do mouth to snout CPR practice on the cat, using a sanitary CPR bag with every student, includes ability to see chest rise and fall. Practice chest compressions on the animal as well.
- **Catheterization:** practice catheterization on this male cat, allowing for practice doing a catheterization and also a stitch to keep it in place.
- **Handling Care:** do restraint holds on the cat and also practice body movements on the animal for proper care



Key Features on Feline Vet Trainer

Injection Sites





Canine Auscultation Trainer



Canine Auscultation Trainer

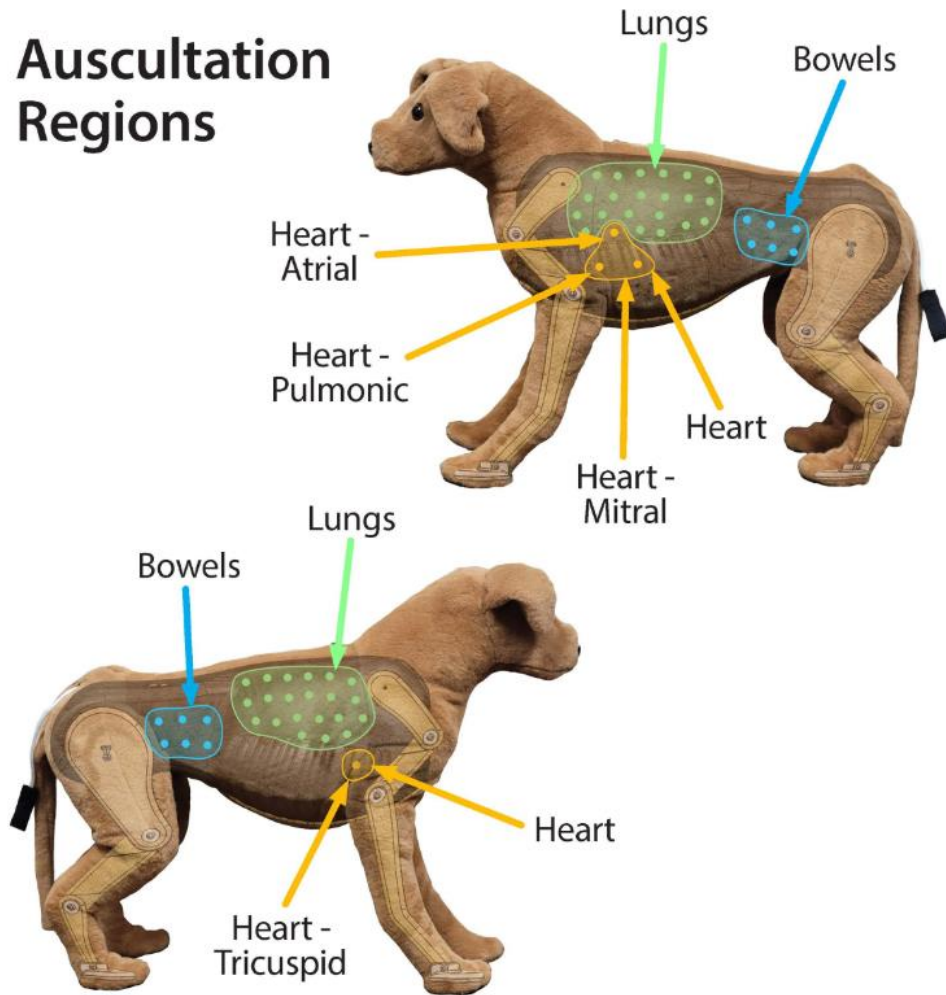
Help your students learn about canine auscultation. Students will learn the main sounds of a dog and issues that a dog may have. The Canine Auscultation Trainer allows for students to learn the correct placement of a stethoscope when listening for heart, lung, and bowel sounds. There are 22 sounds to listen to and connect with the correct position on the dog. Using a real stethoscope and the RealityScope, students can hear the different sounds and understand the issues that a dog may have.

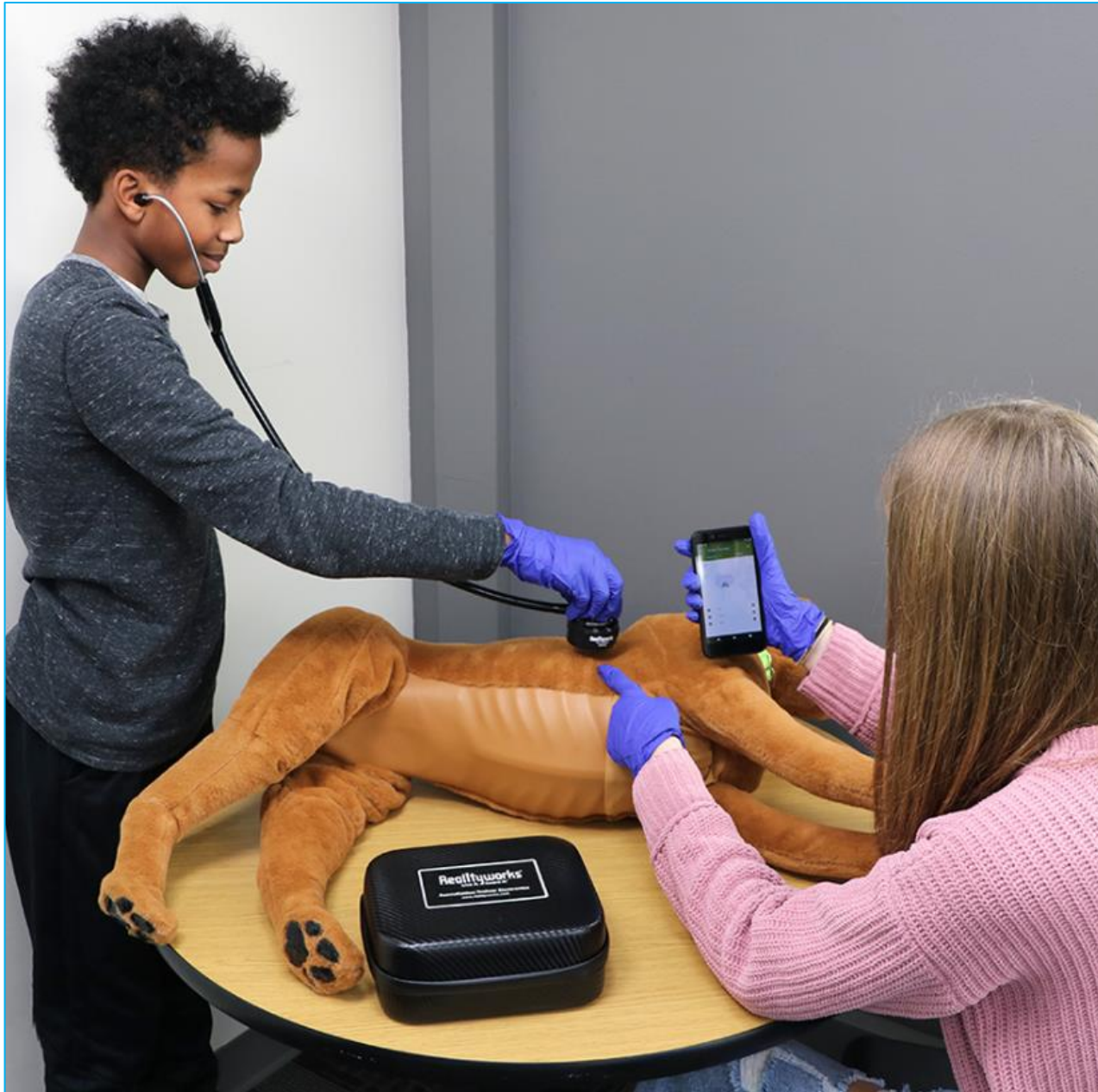


Kit includes:

- Realityworks RealityScope (stethoscope not included)
- Realistic plush canine dog
- Realistic sounds of the dog:
 - *Heart Sounds:* Healthy, slow, fast heartbeats, arrhythmia, murmurs (systolic, diastolic, and continuous), patent ductus arteriosus, and atrial fibrillation
 - *Lung Sounds:* Slow, normal, fast, faint, and heavy breathing, wheeze, crackles, stridor, and stertor
 - *Bowel Sounds:* Healthy, hyperactive, and hypoactive
- Downloadable curriculum (2 lessons)
- Storage box
- 1-year warranty

Auscultation Regions

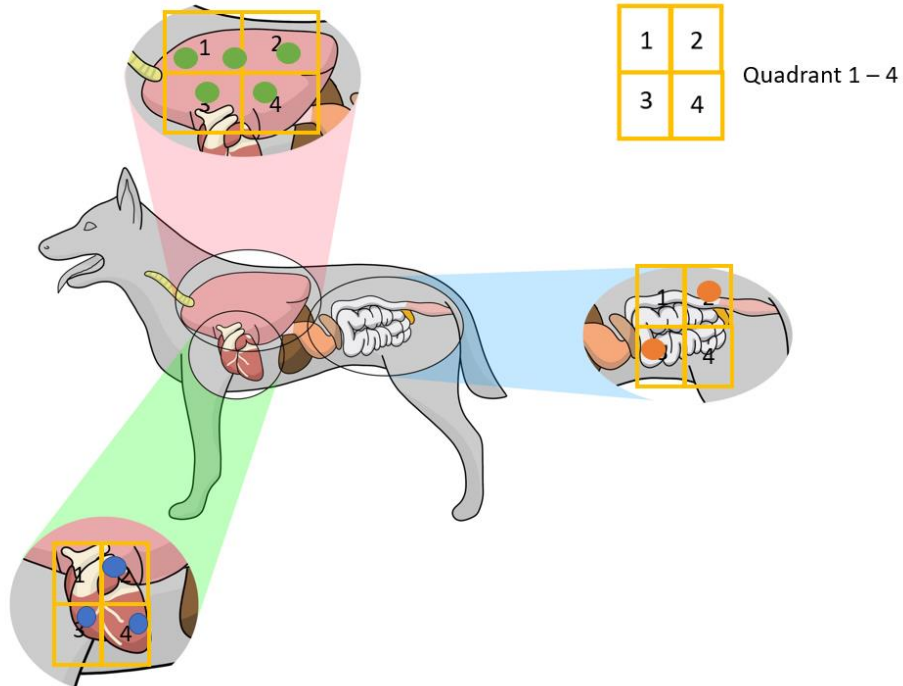




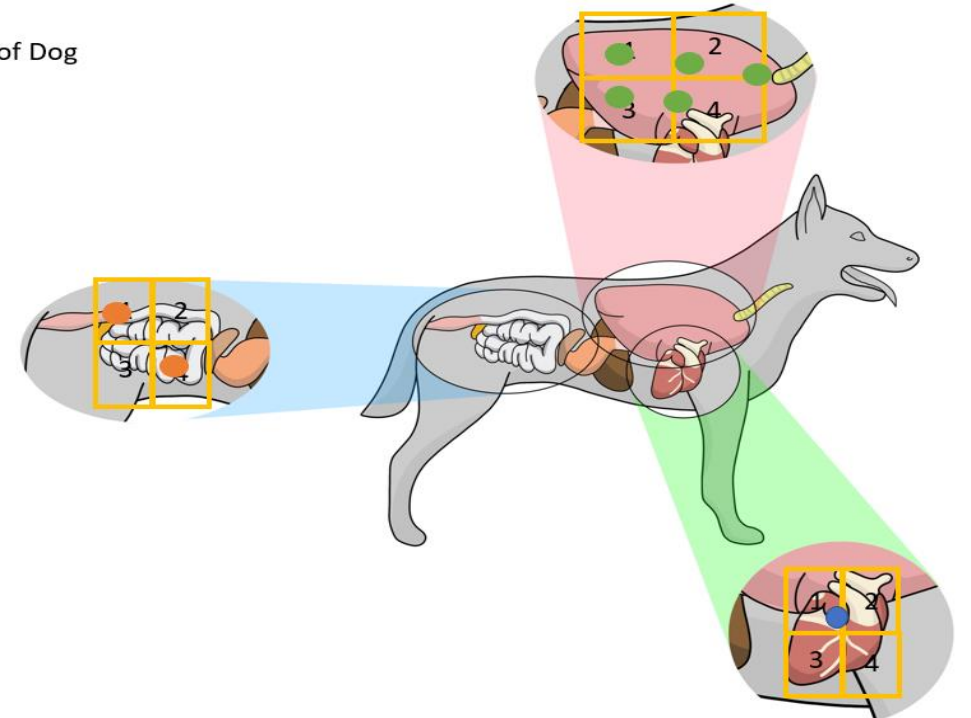
Sounds of the Dog

- Heart Sounds
- Lung Sounds
- Bowel Sounds

Left Side of Dog



Right Side of Dog





Canine CPR Dog



Canine CPR Dog

A large breed CPR dog to train on proper CPR technique.

This dog allows you to feel a pulse on femoral artery to feel for heartbeat

It allows for mouth to snout resuscitation – includes 50 sanitation bags for student usage

Includes Ambu Bag* and Throat Tube

Allows for visual ability to see chest rise and fall when doing intubation

Includes Black Storage and Carrying Duffle Bag

Includes Curriculum

2 lessons on CPR Technique and Practice



Price: \$2,249
SKU: 47010350

Features

This is a procedure that Veterinary Technicians and Assistants need to have mastered

- Lays on its side for chest compressions
- Ability to do “mouth to snout” resuscitation
- Ability to see the lungs move up and down
- Ability to use an Ambu bag to administer breaths
- Ability to feel the pulse of the animal and know if it has a heartbeat or not
- Working lung movement

National Standards:

AFNR-VS-8

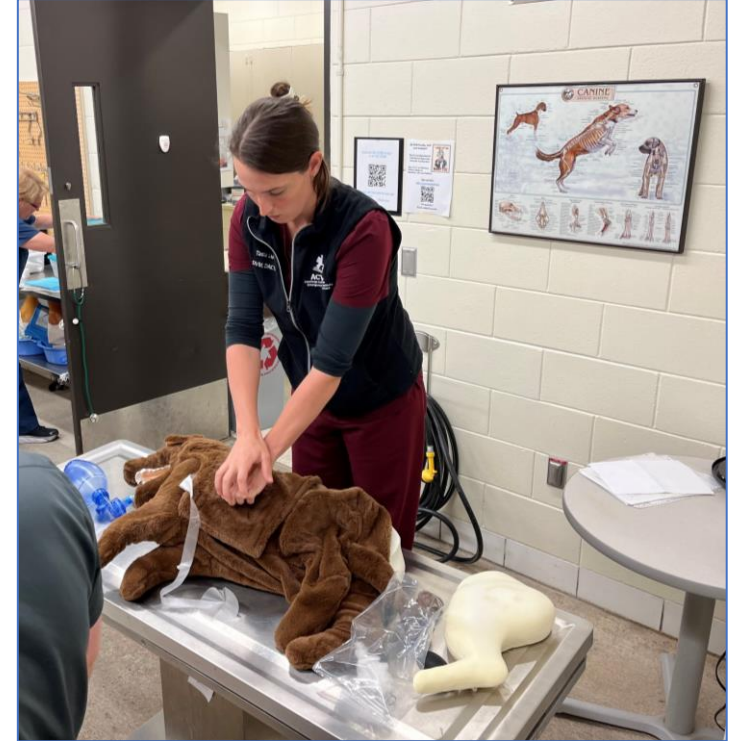
AFNR-AS-02

Basic First Aid and Administering CPR

State Standards:

Basic First Aid – Canine Cardiopulmonary Resuscitation (CPR) procedures – GA -7.0

Vet Science Technologies – TN – Animal Nursing 7.2



Canine CPR Trainer

Curriculum 2-3 hours

2 lessons

Lesson 1: CPR Overview

CPR Readiness Activity

Signs / Needs of CPR

CPR Scenarios

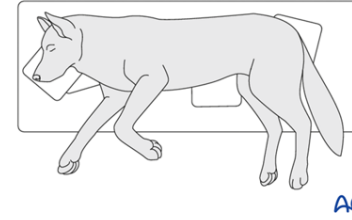
Lesson 2: Performing CPR on a Dog

Basic Cardiovascular Anatomy

CPR Dog Training

CPR Practice

Lateral Recumbency



For chest
compressions

Dog on right side
with legs out

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CPR Dog

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Chest Compressions

- Locate appropriate location
 - Behind left scapula
- Place hands on top of each other
- Straight elbows
- Push down together with gentle force



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CPR Dog

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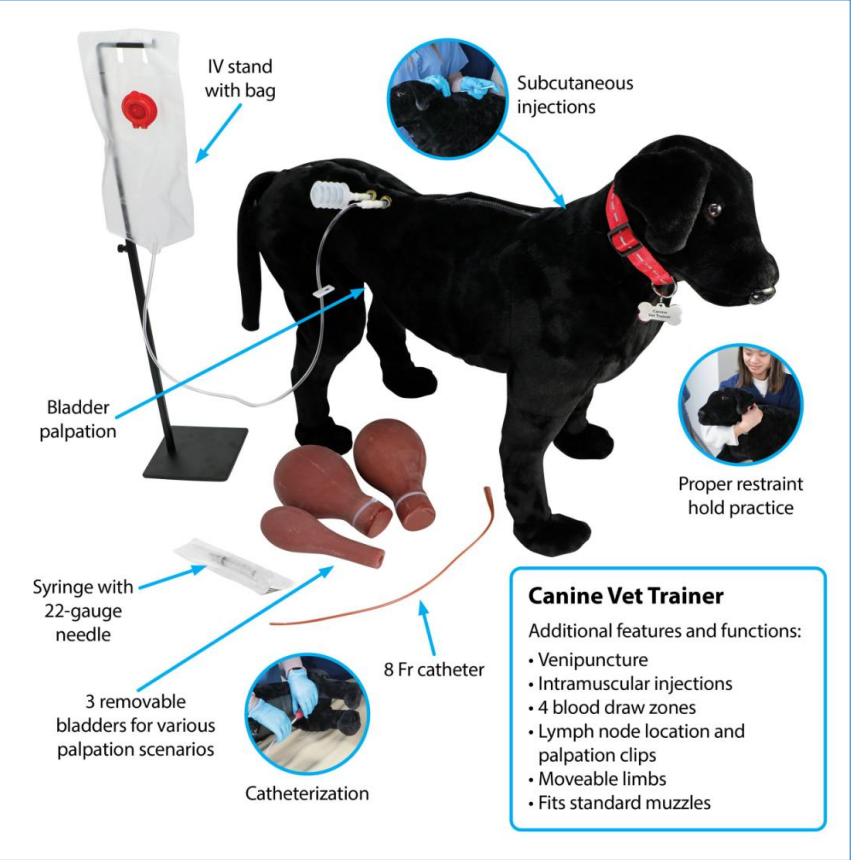
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Enhance your Vet Science Program!



Canine Vet Trainer

Additional features and functions:

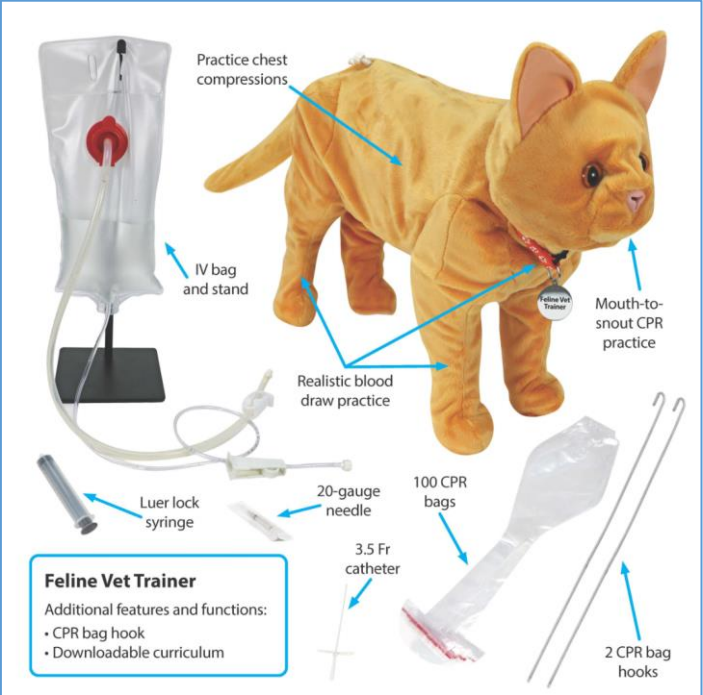
- Venipuncture
- Intramuscular injections
- 4 blood draw zones
- Lymph node location and palpation clips
- Moveable limbs
- Fits standard muzzles



Canine Auscultation Trainer

Additional features and functions:

- 22 sounds to heart, lung, and bowel sounds to listen to
- Downloadable curriculum



Feline Vet Trainer

Additional features and functions:

- CPR bag hook
- Downloadable curriculum

Dog Kit

Additional features and functions:

- Great introduction to basic animal agriculture concepts for middle or high school classrooms, or review of fundamentals for post-secondary students
- Easy-to-implement small-group activities
- Standards-based, downloadable curriculum

4 posters
(Feeding and Management, Reproduction, Selection and Judging, and Careers in the Canine Industry)

Storage box

5 animal whiteboards

Breed ID Flashcards (5 sets)

Diseases and Parasites Trivia Cards (5 sets)

Cat Kit

Additional features and functions:

- Great introduction to basic animal agriculture concepts for middle or high school classrooms, or review of fundamentals for post-secondary students
- Easy-to-implement small-group activities
- Standards-based, downloadable curriculum

3 posters
(Feeding and Management, Reproduction, and Judging)

Storage box

5 animal whiteboards

Breed ID Flashcards (5 sets)

Diseases and Parasites Trivia Cards (5 sets)

Now what?

- Download our Vet Science Implementation [Guide](#)
- Download Free Vet Science Related [Poster](#)
- Check out our [Blog](#)
- Contact us with questions!



Let's connect!

We can help you start or refresh your own program!

Scan to:

- Connect with your local Realityworks account manager
- Request a free quote
- Ask questions and more

Scan me

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Questions?

