



# Veterinary Science Program Implementation Guide

Engage your students in career exploration and help them develop 21st Century skills.

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## Bovine Birthing and Ultrasound Simulator

Give your students hands-on practice conducting bovine ultrasounds and birthing calves with this simulator.

## Bovine Fetal Development Models

Help students develop an in-depth understanding of fetal development stages and the care they require with these realistic models.

## Bovine Injection Simulator

Use this simulator to teach proper cattle injection techniques and ear tagging as well as growth implant basics.

## Swine Kit

Access out-of-the-box content on introductory swine topics, such as breeds, reproduction and feed and management.

## Animal Models

Give students hands-on practice exploring animal systems with realistic models that separate at the midline to reveal removable parts.

## Canine Vet Trainer

Practice venipuncture, catheterization, bladder palpation and other skills with this lifelike trainer.

## Small Dog and Cat Skeleton Model

Provide hands-on exploration of the skeletal structure of companion animals.

## Vet Tech Career Scenario Cards

Practice soft skills within the context of real-world vet tech situations.

## Large Injection Pad

Use this realistic pad to practice injections into skin, subcutaneous tissue and muscle, with or without liquid.

## Suture Kit

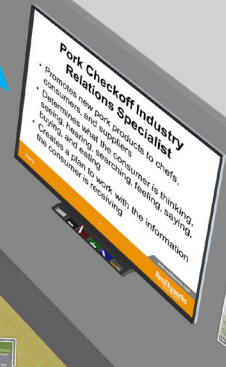
Help students develop accurate suture techniques through repeated practice.

## Animal Clinic Design Kit

Help students evaluate and manage animal welfare and learn about best-practice protocols based on animal behavior and husbandry.

## Swine Litter Processing Simulators

Create realistic scenarios for practicing piglet teeth clipping, castration, tail docking, and ear notching.



Create a Custom Pathway Package

Choose hands-on learning aids and curricula that meet your unique program needs.

All products can be purchased separately

# Veterinary Science Curricula Overview

All curricula include lesson plans, presentation slides, assessments and other student materials.

| Experiential Learning Tools              | Curriculum Length | Lesson Topics                                                                                                                                                                                                                                              |
|------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cat Skeleton Model                       | Varies            | <ul style="list-style-type: none"> <li>• Online access to student activity with student worksheet</li> </ul>                                                                                                                                               |
| Small Dog Skeleton Model                 | Varies            | <ul style="list-style-type: none"> <li>• Online access to student activity with student worksheet</li> </ul>                                                                                                                                               |
| Chicken Model                            | 1 lesson hour     | <ul style="list-style-type: none"> <li>• Poultry Anatomy</li> </ul>                                                                                                                                                                                        |
| Horse Model                              | 3 lesson hours    | <ul style="list-style-type: none"> <li>• Horse Anatomy</li> <li>• Digestive Tract</li> <li>• Reproductive Systems</li> </ul>                                                                                                                               |
| Cow Model                                | 3 lesson hours    | <ul style="list-style-type: none"> <li>• Cow Anatomy</li> <li>• Digestive Tract</li> <li>• Reproductive Systems</li> </ul>                                                                                                                                 |
| Bovine Birthing and Ultrasound Simulator | 3-5 lesson hours  | <ul style="list-style-type: none"> <li>• Cow Anatomy</li> <li>• Cow Breeding</li> <li>• Proper Ultrasound Technique</li> <li>• Proper Birthing Technique</li> <li>• Birthing Abnormalities</li> </ul>                                                      |
| Bovine Injection Simulator               | 2-3 lesson hours  | <ul style="list-style-type: none"> <li>• Introduction to Bovine Injections</li> <li>• Bovine Growth Implants and Ear Tagging</li> </ul>                                                                                                                    |
| Swine Kit                                | 7 lesson hours    | <ul style="list-style-type: none"> <li>• Breeds</li> <li>• Feeding and Management</li> <li>• Disease and Parasites</li> <li>• Reproduction</li> <li>• Body Systems</li> <li>• Selection and Judging</li> <li>• Marketing, Careers, and Training</li> </ul> |
| Bovine Fetal Development Models          | 1-2 lesson hours  | <ul style="list-style-type: none"> <li>• Growth Stages of a Fetal Calf</li> </ul>                                                                                                                                                                          |
| Swine Litter Processing Simulators       | 1-2 lesson hours  | <ul style="list-style-type: none"> <li>• Proper Processing Techniques</li> <li>• Proper Health of the Swine</li> </ul>                                                                                                                                     |
| Animal Clinic Design Kit                 | 4 lesson hours    | <ul style="list-style-type: none"> <li>• Career as a Veterinary Technician</li> <li>• Animal Welfare Act and Animal Care</li> <li>• Best Practices and Design Options for Animal Clinic Design</li> </ul>                                                  |
| Suture Kit                               | 1-2 lesson hours  | <ul style="list-style-type: none"> <li>• Suturing Basics</li> </ul>                                                                                                                                                                                        |
| Large Injection Pad                      | 3 lesson hours    | <ul style="list-style-type: none"> <li>• Intradermal Injections</li> <li>• Subcutaneous Injections</li> <li>• Intramuscular Injections</li> <li>• Patient-Focused Care</li> </ul>                                                                          |
| Canine Vet Trainer                       | 3 lesson hours    | <ul style="list-style-type: none"> <li>• Basic Canine Anatomy</li> <li>• Veterinary Technician Skills</li> <li>• Bladder Issues, Palpation, and Urinary Catheterization in Dogs</li> </ul>                                                                 |