



LAWRENCE COUNTY CAREER AND TECHNICAL CENTER

750 Phelps Way, New Castle, PA 16101-5099 724-658-3583 Fax 724-658-4753 www.lcctceagles.com

Table of Contents - Course Name

[Pharmacy and Pharmacology](#)

UbD Curriculum Overview

Department	Vocational		
Course Name	Veterinary Assistant		
Course Summary	Entry-level position into the veterinary field		
Unit Name	Pharmacy and Pharmacology		
Grade Level(s)	11th and 12th	Time / Duration	45 hours
Created (Date)	9-30-22	Revised (Date)	

Standards Addressed

- | | | | |
|-----|--|--|--|
| 401 | Recognize legal issues involving all drugs (controlled and non-controlled). | | |
| 402 | Differentiate between the various pharmaceuticals and their classifications. | | |
| 403 | Interpret a prescription's terminology. | | |
| 404 | Differentiate between over the counter and prescription drugs. | | |
| 405 | Formulate a prescription label with all necessary components. | | |
| 406 | Prepare and package dispensed drugs. | | |



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| 407 | Store, handle, and dispose of drugs according to manufacturer's directions. |
| 408 | Apply inventory control techniques. |
| 409 | Reconstitute vaccines and follow proper protocols. |
| 410 | Differentiate restraint techniques according to routes/methods of drug/vaccine administration. |
| 411 | Read and fill syringes. |

Stage 1 - Desired Results: Enduring Understandings & Essential Questions

What are the overarching takeaways and big ideas for students?

Big Ideas	1. Understanding prescription terminology 2. Understanding the basics of medicine such as classifications and handling techniques 3. Understand restraint techniques for various types of medications to be administered
Transfer	<i>Students will be able to independently use their learning to...</i> • Reconstitute vaccines • Restrain an animal safely and appropriately for medicines to be administered • Fill a prescription
Meaning	<i>Students will understand that...</i> • Syringe filling need to be accurate for the health and safety of the animal • Understanding veterinary prescription labeling is essential to the health and safety of the animal
Essential Questions	1. How do veterinary professionals reconstitute vaccines? 2. What are the steps to completing a prescription label? 3. Does each line on every size syringe read the same?



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Stage 1 - Essential Content, Concepts, & Skills

What do we want students to know and be able to do?

Acquisition

Knowledge	<i>Students will know...</i> • Basic Prescription terminology • Understand basic inventory skills • Different classification of medication and examples from each
Skills	<i>Students will be skilled at (be able to do)...</i> • Fill a prescription • Restrain for various routes of medication to be administered • Reconstitute a vaccine

Stage 2 - Assessments / Evidence of Learning

What are the formative (informal) and summative (formal) assessments used to measure learning and growth? How will you know that they did it?

Evaluation Criteria (F/S)	Assessment Evidence
• Question and answer • Completion of worksheets based off the topic	Performance Task(s) / Think: • Demonstrate reconstituting a vaccine • Demonstrate filling a prescription • Demonstrate restraining an animal for medication to be administered
• Exams on the material that has been taught	Other Evidence: • Group work to complete and demonstrate skills

Stage 3 - Learning Plan

What are the differentiated instructional strategies, activities, lesson plans that support the enduring understandings and essential questions for all students? This section provides a summary of the Key Learning Events and Instruction.

Summary of Key Learning Events and Instruction

- Powerpoint and lecture on the topics
- Worksheets based off the lecture material
- Articles with follow up questions based on the material
- Hands on skill completion of the content
- Group work based on the content
- Animal Care Technology Video Lessons



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Resources

- Elsevier's Veterinary Assistant Textbook
- Occupational Advisory Committee
- Personal clinical experience and training in the content
- Completion of Continuing Education coursework pertaining to the material