Program Topic	Grades	Standards
Pet Care 101	K-2	LS.K.1 Understand the characteristics of living organisms and nonliving things.
		NC.K.CC.4 Understand the relationship between numbers and quantities.
		NC.K.OA.1 Represent addition and subtraction, within 10.
		NC.K.OA.5 Demonstrate fluency with addition and subtraction within 5.
		NC.1.OA.9 Demonstrate fluency with addition and subtraction within 10.
		NC.1.NBT.7 Read and write numerals and represent a number of objects with a written number to 100.
		NC.2.OA.2 Demonstrate fluency with addition and subtraction within 20, using mental strategies.
		NC.2.MD.8 Solve word problems involving: Whole dollar amounts using the $ symbol appropriately.
Pet Care 101	3-5th	NC.3.OA.3 Represent, interpret and solve one-step problems involving multiplication and division.
		NC.4.NBT.5 Add and subtract multi-digit whole numbers up to and including 100,000 using the standard algorithm with place value understanding
		CCR.RI.4.7 Answer questions about information presented visually, orally, or quantitatively
Pet Care 101	6-8th	NC.7.NS.3 Solve real-world and mathematical problems involving numerical expressions with rational numbers using the four operation
		RI.6.7 Integrate information presented in different media or formats, including visually and quantitatively, as well as in words to develop a coherent understanding of a topic or issue
		SL.6.1 Engage effectively in a range of collaborative discussions with diverse partners on grade 6 topics, texts and issues, building on others' ideas and expressing their own clearly (SL.7.1, SL.8.1)
Pet Care 101	9-12th	LS.Bio.5.1 Use mathematics and computational thinking to explain how interactions between organisms affect carrying capacity and maintain stability in an ecosystem
Vet School	K-2	PS.K.1.1 Analyze and interpret data to classify objects by physical properties (size, color, shape, texture, weight and flexibility)
		LS.K.1.1 Engage in argument from evidence to summarize the characteristics of living organisms and non-living things in terms of their: structure, growth, changes, movement, basic needs
		LS.K.2.1 Analyze and interpret data to compare the characteristics of different types of the same animal to determine individual similarities and differences
Vet School	3-5th	ESS4.3.1 Ask questions to infer whether changes in an organism's environment is beneficial or harmful
		NC.4.MD.4 Represent and interpret data using whole numbers
		CCR.RI.4.3 Identify an explicit detail that is related to an individual, event, or idea in a historical, scientific, or technical text
		NC.5.MD.1 Given a conversion chart, use multiplicative reasoning to solve one-step conversion problems within a given measurement system
Vet School	6-8th	CCR.RI.6.1 Analyze a text to determine what it says explicitly as well as what inferences should be drawn
		CCR.RI.7.1 Analyze a text to determine what it says explicitly as well as what inferences should be drawn
		CCR.RI.8.1 Cite text to support inferences from informational text
		CCR.RI.9-10.3 Determine connections between individuals, ideas, or events in a text that relate to it; recount the text
		CCR.RI.9-10.2 Determine the central idea of the text and select details that relate to it; recount the text
		CCR.RI.11-12.2 Determine the central idea of a text and select details that show how it is conveyed in the text; recount the text
Breed ID	K-2	PS.K.1 Understand how objects are described based on their physical properties and how they are used
		LS.K.2.1 Analyze and interpret data to compare the characteristics of different types of the same animal to determine individual similarities and differences
		LS.2.2 Understand that organisms are different from or are similar to their parents and other offspring based on characteristics of the organism
Breed ID	3-5th	LS.4.1.1 Use models to explain that plants and animals have external structures that function to support survival
		LS.5.3 Understand some characteristics of an organism are inherited and other characteristics are acquired
Breed ID	6-8th	LS.7.2.1 Construct an explanation supported with scientific evidence to summarize the role of genes on chromosomes as inherited cellular structures which contributed to organism's traits (not to include the structure of DNA)
		LS.7.2.3 Use models (Punnett squares) to infer and predict patterns of the inheritance of single genetic traits from parents to offspring (including dominant and recessive traits
		LS.8.3.2 Use models to explain the process of natural selection, in which genetic variations in a population affect individuals' likelihood of surviving and reproducing in its environment.
Breed ID	9-12th -1	LS.Bio.9.4 Construct an explanation to explain how natural (artificial) selection leads to adaptations within populations
		LS.Bio.10.2 Use models (including *dichotomous keys* , scientific nomenclature, cladograms, phylogenetic trees) to identify organisms and exemplify relationships
Breed ID	9-12th -2	LS.Bio.1.5 Construct an explanation to summarize how DNA and RNA direct the synthesis of proteins

Breed ID	9-12th-2	LS. Bio.9.4 Construct an explanation to explain how natural selection leads to adaptions within populations
Safety Around Animals	K-2	PS.K.1.1 Analyze and interpret data to classify objects by physical properties
		LS.K.1.2 Use models to exemplify how animals use their body parts to obtain food and other resources, **protect themselves**, and move from place to place
		LS.K.2.1 Analyze and interpret data to compare the characteristics of different types of the same animal to determine individual similarities and differences
		K.MEH.1.1 Recognize feelings and ways of expressing them.
		K.PCH.2.4 Identify appropriate responses to warning signs, sounds and labels
		1.ICR.1.1 Explain the importance of demonstrating respect for the personal space and boundaries of others
		2.ICR.1.5 Exemplify how to communicate with others with kindness and respect
Safety Around Animals	3-5th	3.MEH.1.1 Explain how self-control is a valuable tool in avoiding risks
		3.PCH.1.2 Classify behaviors in terms of whether they do or do not contribute to healthy living
		3.PCH.3.1 Use methods for prevention of common unintentional injuries
		4.ICR.1.1 Explain the importance of showing respect for self and respect and empathy for others.
		4.ICR.1.3 Interpret facial expressions and posture to emotions and empathy
		4.ICR.1.4 Recognize situations that might lead to violence
Safety Around Animals	6-8th	6.MEH.1.1 Implement a structured decision-making model to enhance health behaviors
		6.ICR.1.2 Implement verbal and non-verbal communication skills that are effective for a variety of purposes and audiences
		6.ICR.1.3 Use strategies to communicate care, consideration, and respect for others
		6.ICR.2.5 Summarize strategies for predicting and avoiding conflict
		7.PCH.4.1 Deconstruct how the interaction of individual behaviors, the environment, and other factors that cause or prevent injuries