

VoCATS

Course Blueprint

Agriculture Education

6823 Animal Science II – Small Animals

*Public Schools of North Carolina
State Board of Education • Department of Public Instruction
Curriculum and School Reform Services
Division of Instructional Services*

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This blueprint has been reviewed by business and industry representatives for technical content and appropriateness for the industry. Contact horace_johnson@ncsu.edu for more information.

VoCATS Course Blueprint

A course blueprint is a document laying out the framework of the curriculum for a given course.

Shown on the blueprint are the units of instruction, the core competencies in each unit, and the specific objectives for each competency. The blueprint illustrates the recommended sequence of units and competencies and the cognitive and performance weight of the objective within the course.

The blueprint should be used by teachers to plan the course of work for the year, prepare daily lesson plans, and construct instructionally valid interim assessments. Statewide assessments are aligned directly with the course blueprint.

For additional information about this blueprint, contact program area staff. For additional information about VoCATS, contact program area staff or VoCATS, Career-Technical Education, Division of Instructional Services, North Carolina Department of Public Instruction, 6358 Mail Service Center, Raleigh, North Carolina 27699-5358, 919/807-3876, email: rwelfare@dpi.state.nc.us.

Interpretation of Columns on VoCATS Course Blueprints

No.	Heading	Column information
1	Comp# Obj.#	Comp=Competency number (two digits); Obj.=Objective number (unique course identifier plus competency number and two-digit objective number).
2	Unit Titles/Competency and Objective Statements	Statements of unit titles, competencies per unit, and specific objectives per competency. Each competency statement or specific objective begins with an action verb and makes a complete sentence when combined with the stem "The learner will be able to. . ." (The stem appears once in Column 2.) Outcome behavior in each competency/objective statement is denoted by the verb plus its object.
3	Time Hrs	Space for teachers to calculate time to be spent on each objective based on the course blueprint, their individual school schedule, and analysis of students' previous knowledge on the topic.
4&5	<u>Course Weight</u> Cognitive Performance	Shows the relative importance of each objective, competency, and unit. Weight is broken down into two components: cognitive and performance. Add the cognitive and performance weights shown for an objective in columns 4 and 5 to determine its total course weight. Course weight is used to help determine the percentage of total class time that is spent on each objective. The breakdown in columns 4 and 5 indicates the relative amount of class time that should be devoted to cognitive and performance activities as part of the instruction and assessment of each objective. Objectives with performance weight should include performance activities as part of instruction and/or assessment.
6	Type Behavior	Classification of outcome behavior in competency and objective statements. (C=Cognitive; P=Performance)
7	Integrated Skill Area	Shows links to other academic areas. Integrated skills codes: A=Arts; E=English Language Arts; CD=Career Development; CS=Information/Computer Skills; H=Healthful Living; M=Math; SC=Science; SS=Social Studies.
8	Core Supp	Designation of the competencies and objectives as Core or Supplemental. Competencies and objectives designated "Core" must be included in the Annual Planning Calendar and are assessed on the statewide assessments..

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AGRICULTURE EDUCATION
COURSE BLUEPRINT for 6823 SMALL ANIMAL CARE
(Recommended hours of instruction: 135-180)

Comp # Obj #	Unit Titles/Competency and Objective Statements (The Learner will be able to :)	Time Hours	Course Weight		Type Behavior	Integrated Skill Area	Core Supp
			Cognitive	Performance			
1	2		4	5	6	7	8
			100%				
	Total Course Weight		77%	23%			
A	LEADERSHIP		5%	4%			
ZS01.00	Demonstrate the major components of leadership involved in successful employment.		2%	1%			
ZS01.01	<i>Identify leadership qualities desired by the small animal care industry.</i>		2%		C1	CD/E	Core
ZS01.02	<i>Develop leadership qualities through participation in the small animal care instructional program.</i>			1%	C3P	CD/E	Core
ZS02.00	Adapt public speaking techniques to the audience and purpose of the communication taking place.		2%	1%			
ZS02.01	<i>Describe the major types of speeches and the variables to be considered when presenting the speeches</i>		2%		C1	E	Core
ZS02.02	<i>Use public speaking techniques to deliver a speech to a small animal industry organization</i>			1%	C3P	E	Core
ZS03.00	Use Robert's Rules of Order to conduct business meetings needed by agricultural organizations.		1%	2%			
ZS03.01	<i>Analyze the role of Robert's Rules of Order in the orderly conduct of business</i>		1%		C3	E/SS	Core
ZS03.02	<i>Use Robert's Rules of Order to conduct an orderly transaction of business.</i>			2%	C3P	E/SS	Core
B.	SUPERVISED AGRICULTURAL EXPERIENCE PROGRAM		3%	3%			
ZS04.00	Use career objectives to design an individual written school-to-work employment plan.		2%	1%			
ZS04.01	<i>Describe the procedures for planning, and implementing a school-to work employment plan.</i>		2%		C1	CD/CS/E/M	Core
ZS04.02	<i>Use career objectives to create an individual written school-to-work employment plan.</i>			1%	C3P	CD/CS/E/M	Core

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ZS05.00	Develop a financial record system for use in the small animal industry		1%	2%			
ZS05.01	<i>Describe the elements in a financial statement.</i>		1%		C1	CD/CS/E/M	Core
ZS05.02	<i>Use the principles of record keeping to compose a financial statement.</i>			2%	C3P	CD/CS/E/M	Core
C.	THE SMALL ANIMAL CARE INDUSTRY		10%	2%			
ZS06.00	Interpret the status of the small animal industry today.		4%				
ZS06.01	<i>Explain how the small animal care industry is important to society.</i>		2%		C2	SC/SS	Core
ZS06.02	<i>Discuss careers and skills needed for employment in the small animal care industry.</i>		2%		C2	CD/SC/ CS	Core
ZS07.00	Explain the importance of animal care in the small animal industry.		4%				
ZS07.01	<i>Discuss medical terminology used by those working in veterinary phase of the small animal industry.</i>		2%		C2	H/SC	Core
ZS07.02	<i>Summarize animal rights and animal welfare.</i>		2%		C2	SS	Core
ZS08.00	Explore safety issues related to working with small animals.		2%	2%			
ZS08.01	<i>Discuss techniques and risk involved when working with small animals.</i>		2%		C2	SC/H	Core
ZS08.02	<i>Demonstrate safe work habits.</i>			2%	C3P	CD/SC/H	Core
D.	ANATOMY AND PHYSIOLOGY		16%	2%			
ZS09.00	Summarize the major parts of small animals.		6%				
ZS09.01	<i>Describe major external parts of small animals.</i>		2%		C1	H/SC	Core
ZS09.02	<i>Define major skeletal parts of small animals.</i>		2%		C1	H/SC	Core
ZS09.03	<i>Discuss the role of internal organs in small animals.</i>		2%		C2	H/SC	Core
ZS10.00	Examine the role of nutrition in the support of animal life.		2%	1%			
ZS10.01	<i>Discuss the six basic nutritional requirements of small animals in relation to the function they serve for the small animal.</i>		2%		C2	H/SC	Core
ZS10.02	<i>Determine symptoms related to nutrient deficiencies in small animals.</i>			1%	C3P	H/SC	Core
ZS11.00	Analyze the digestive process and feeding requirements of small animals.		6%				
ZS11.01	<i>Discuss the digestive process in a ruminant's digestive system.</i>		2%		C2	H/SC	Core
ZS11.02	<i>Explain the digestive process in a non-ruminant's digestive system.</i>		2%		C2	H/SC	Core

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ZS11.03	<i>Distinguish between feeding programs for small animals.</i>		2%		C3P	H/SC	Core
ZS12.00	Analyze reproduction in small animals.		2%	1%			
ZS12.01	<i>Discuss reproduction in small animals.</i>		2%		C2	H/SC	Core
ZS12.02	<i>Use principles of reproductive physiology to determine gestational characteristics in small animals.</i>			1%	C3P	H/SC	Core
E.	DOGS		13%	4%			
ZS13.00	Use information specific to each breed to select the best dog for a given use.		8%	2%			
ZS13.01	<i>Identify the seven major groups in which dogs are classified.</i>		2%		C1	SC	Core
ZS13.02	<i>Discuss characteristics of the major breeds of dogs.</i>		6%		C2	SC	Core
ZS13.03	<i>Assess major factors in selection.</i>			2%	C3P	SC	Core
ZS14.00	Use care techniques that improve the well-being of dogs.		5%	2%			
ZS14.01	<i>Discuss grooming practices for hair, nails, eyes, ears, and teeth.</i>		2%		C2	SC	Core
ZS14.02	<i>Describe major health concerns for dogs.</i>		3%		C1	SC	Core
ZS14.03	<i>Use accepted grooming practices to care for a dog's hair, nails, eyes, ears, and teeth.</i>			2%	C3P	SC	Core
F.	CATS		10%	2%			
ZS15.00	Use information specific to each breed to choose the best cat for a given use.		5%	1%			
ZS15.01	<i>Describe major shorthaired and longhaired breeds of cats.</i>		5%		C1	SC	Core
ZS15.02	<i>Select a cat based on qualifying characteristics.</i>			1%	C3P	SC	Core
ZS16.00	Use techniques that improve the well-being of cats		5%	1%			
ZS16.01	<i>Discuss grooming practices for cats.</i>		2%		C2	SC	Core
ZS16.02	<i>Describe major health concerns for cats.</i>		3%		C1		Core
ZS16.03	<i>Demonstrate proper grooming and care of cats.</i>			1%	C3P	SC	Core
G.	RABBITS, FERRETS, AND POCKET PETS (CHINCHILLAS, GERBILS, GUINEA PIGS, HAMSTERS, MICE, RATS)		7%	2%			
ZS17.00	Summarize the uses of rabbits, ferrets, and pocket pets.		4%				
ZS17.01	<i>Describe the major breeds of rabbits, ferrets, and pocket pets.</i>		2%		C1	SC	Core

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ZS17.02	<i>Discuss the major uses of rabbits, ferrets, and pocket pets.</i>		2%		C2	SC	Core
ZS18.00	Use principles of small animal care to create a healthy habitat for rabbits, ferrets, and pocket pets.		3%	2%			
ZS18.01	<i>Discuss the major diseases of rabbits, ferrets, and pocket pets.</i>		3%		C1	H/SC	Core
ZS18.02	<i>Use principles of small animal management to establish a healthy habitat for rabbits, ferrets, and pocket pets.</i>			2%	C3P	H/SC	Core
H.	BIRDS		6%	2%			
ZS19.00	Summarize the use of birds as pets.		4%				
ZS19.01	<i>Summarize the characteristics of major birds used for pets.</i>		2%		C2	H/SC	Core
ZS19.02	<i>Discuss the care and maintenance of pet birds.</i>		2%		C2	H/SC	Core
ZS20.00	Use principles of bird management to create a healthy habitat for pet birds.		2%	2%			
ZS20.01	<i>Discuss the major diseases and ailments of birds.</i>		2%		C1	H/SC	Core
ZS20.02	<i>Use principles of aviary care to establish a healthy habitat for pet birds.</i>			2%	C3P	H/SC	Core
I.	FISH, AMPHIBIANS, AND REPTILES		7%	2%			
ZS21.00	Summarize the use of fish, amphibians, and reptiles for pets.		5%				
ZS21.01	<i>Identify major species of fish, amphibians, and reptiles used as pets.</i>		3%		C1	SC	Core
ZS21.02	<i>Discuss the physiology of fish, amphibians, and reptiles.</i>		2%		C2	H/SC	Core
ZS22.00	Establish a healthy habitat for fish, amphibians, and/or reptiles.		2%	2%			
ZS22.01	<i>Discuss the major health issues related to aquarium fish, amphibians, and/or reptiles.</i>		2%		C2	H/SC	Core
ZS22.02	<i>Use principles of aquarium, terrarium, and vivarium management to create a suitable environment for fish, amphibians, and/or reptiles.</i>			2%	C3P	H/SC	Core

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