SPRING GROVE AREA SCHOOL DISTRICT

PLANNED INSTRUCTION

Course Title: Wildlife Studies Length of Course: 30 Cycles

Grade Level(s): 12 Periods Per Cycle: 6

Units of Credit: 1 Length of Period: 43 Minutes

Required: Elective: X Total Instructional Time: 129 Hours

Course Description: This course is the study of North American wildlife and their habitats. The history and development of wildlife management in America is considered. Natural histories of several mammals, birds, reptiles, amphibians and fishes will be examined. These include species description, range, feeding habits, reproductive behavior, and characteristics peculiar to each species. The course is designed to develop an appreciation for wildlife and to encourage personal involvement in the maintenance and restoration of this valuable resource.

Objectives of Planned Course:

- 1. The student will be able to describe the current system of classification and taxonomy.
- 2. The student will be able to distinguish major habitat types and the organisms that live in each.
- 3. The student will be able to discuss wildlife management practices of the past and the present.
- 4. The student will be able to discuss basic ecological concepts relating to ecosystems and the organisms in them.
- 5. The student will be able to identify a variety of North American wildlife common to the Northeast.
- 6. The student will be able to describe the impact man has on the habitats and the animals living in them.
- 7. The student will be able to appreciate our valuable wildlife resource.

Relationship to Academic Standards and Strategic Plan:

Nature of Science

Reasoning and Analysis Processes, Procedures and Tools of Scientific Investigations Systems, Models and Patterns

Wildlife Studies (Continued) Page 2

Biological Sciences
Structure and Function of Organisms
Ecological Behavior and Systems
Earth and Space Sciences
Earth Features and Processes that Change Earth and Its Resources

Materials/Resources:

Books: Wildlife Ecology and Management

North American Wildlife

Peterson Field Guide to Eastern Birds Peterson Field Guide to Animal Tracks Pennsylvania Amphibians and Reptiles Identification Guide to Pennsylvania Fishes Wildlife of Pennsylvania and the Northeast Guide to the Mammals of Pennsylvania

Related Posters, Charts, Videos, Magazines, Newspapers, Software, and Internet

Adopted: 12/7/88

Revised: 9/3/91; 7/15/98; 11/15/01; 8/20/07

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CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The student will:	S11.A.3.3 Compare and analyze	S11.A.3.3.1 Describe or interpret recurring	Student using texts	Student worksheets
 Define wildlife as it applies to this course. 	repeated processes or recurring elements in	patterns that form the basis of biological classification	Teacher led discussion and demonstrations	Class discussion
Explain the need for a	patterns	S11.A.3.3.2	Individual worksheets	Individual student exams
classification system and scientific nomenclature.		Compare stationary physical patterns to the object's properties	Laboratory activities	
Identify the five major classes of animals and	S11.B.1.1. Explain structure and	S11.B.1.1.1 Explain how structure	Videos, filmstrips and slides	
their characteristics.	function at multiple levels of organization	determines function at multiple levels of organization	Inquiry questioning	
		S11.B.1.1.2	Discussion groups	
		Compare and contrast the structural and functional	Outside observation	
		similarities and differences among living things	Computer research and simulations	
TIME:			Review games	
9 Periods			J. 3.1. 3.	

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.A.1.1 Analyze and explain the	S11.A.1.1.1 Compare and contrast scientific	Student using texts	Student worksheets
Identify major types of habitats found in North	nature of science in the search for understanding	theories, scientific laws, and beliefs	Teacher led discussion and demonstrations	Habitat research
America.	the natural world and its		Individual worksheets	Class discussion
Describe the physical conditions of different	logical systems		Laboratory activities	Individual student exams
habitat types using biotic	S11.A.1.3 Describe and interpret	S11.A.1.3.2 Describe or interpret dynamic	Videos, filmstrips and	SACITIO .
and abiotic components.	patterns of change in natural and human-made	changes to stable systems	slides	
Determine which habitat type a species is suited	systems	S11.A.1.3.3 Describe how changes in	Inquiry questioning	
for based on physical features and/or		physical and biological indicators of water systems	Discussion groups	
behavioral adaptations.		reflect changes in these systems	Outside observation	
Cont.	S11.A.3.1	S11.A.3.1.2	Computer research and	
9 Periods	Analyze the parts of a	Analyze and predict the effect	simulations	
3 . 5.1040	simple system, their roles, and their relation-	of making a change in one part of a system on the system as a	Review games	
	ships to the system as a whole	whole		
	Cont.	Cont.		

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.B.3.1 Use evidence or	S11.B.3.1.1 Explain the significance of	Student using texts	Student worksheets
Explain natural succession of habitat	examples to explain the characteristics of and	diversity in ecosystems	Teacher led discussion and demonstrations	Habitat research
and man's influence on it.	interactions within an ecosystem	S11.B.3.1.2 Explain the biotic and abiotic	Individual worksheets	Class discussion
 Identify and describe the 	,	components of an ecosystem and their interactions	Laboratory activities	Individual student exams
key components of a wildlife habitat.		S11.B.3.1.3 Describe how living organisms	Videos, filmstrips and slides	
 Design a landscape plan which provides the basic requirements for 		affect the survival of one another	Inquiry questioning	
selected species of animals (insects, birds,		S11.B.3.1.4 Explain the similarities and	Discussion groups	
reptiles, amphibians, and mammals).		differences in the major biomes and the communities that	Outside observation	
TIME:		inhabit them	Computer research and simulations	
9 Periods	Cont.	S11.B.3.1.5 Predict how limiting factors can affect organisms	Review games	
		Cont.		

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

Content Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
Habitats and landscaping	S11.B.3.2	S11.B.3.2.1	Student using texts	Student worksheets
continued.	Analyze patterns of	Use evidence to explain how		
	change in natural or human-made systems	cyclical patterns in population dynamics affect natural	Teacher led discussion and demonstrations	Habitat research
	over time	systems		Class discussion
			Individual worksheets	
		S11.B.3.2.2		Individual student
		Explain biological diversity as an indicator of a healthy	Laboratory activities	exams
		environment	Videos, filmstrips and slides	
		S11.B.3.2.3		
		Explain how natural processes impact the environment over	Inquiry questioning	
		time	Discussion groups	
	S11.B.3.3 Explain how human-	S11.B.3.3.3 Explain the environmental	Outside observation	
	made systems impact	benefits and risks associated	Computer research and	
TIME:	the management and distribution of natural	with human-made systems	simulations	
	resources		Review games	
	Cont.	Cont.		

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
Habitats and landscaping continued	S11.D.1.3 Explain the significance and contribution of water as a resource to living things and the shaping of the land	S11.D.1.3.1 Explain the multiple functions of different water systems in relation to landforms S11.D.1.3.2 Explain relationships among physical characteristics, vegetation, topography, and flow as it relates to water systems S11.D.1.3.3 Explain factors that affect water quality and flow through a water system	Student using texts Teacher led discussion and demonstrations Individual worksheets Laboratory activities Videos, filmstrips and slides Inquiry questioning Discussion groups Outside observation	Student worksheets Habitat research Class discussion Individual student exams
TIME:			Computer research and simulations Review games	

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.A.1.1	S11.A.1.1.2	Student using texts	Student worksheets
The students will.	Analyze and explain the	Analyze and explain how to	Student using texts	Student Worksheets
Describe the historical developments that have occurred in America	nature of science	verify the accuracy of scientific facts, principles, theories, and laws	Teacher led discussion and demonstrations	Extinct species research
relating to wildlife			Individual worksheets	Lab experiments
management.		S11.A.1.1.5		
Identify the components		Analyze or compare the use of both direct and indirect	Laboratory activities	Class discussion
of a wildlife population.		observation as means to study the world	Videos, filmstrips and slides	Individual student exams
Explain and give examples of carrying capacity and limiting	S11.A.1.2 Identify and analyze the	S11.A.1.2.1 Apply and explain scientific	Inquiry questioning	
factors.	scientific technological challenges of societal	concepts to societal issues using case studies	Discussion groups	
Cont.	issues	doing dade studies	Outside observation	
	S11.A.1.3	S11.A.1.3.1	Computer research and	
TIME:	Describe and interpret	Use appropriate quantitative	simulations	
24 Periods	patterns of change in natural and human-made systems	data to describe or interpret change in systems	Review games	
	Cont.	Cont.		

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.A.2.1	S11.A.2.1.3	Student using texts	Student worksheets
	Apply knowledge of	Use data to make inferences		
Compare and contrast	scientific investigation or	and predictions, or to draw	Teacher led discussion and demonstrations	Extinct species research
hunting of the past and hunting as a	technological design to develop or critique	conclusions, demonstrating understanding of experimental	and demonstrations	research
management tool today.	aspects of the	limits	Individual worksheets	Lab experiments
management tool today.	experimental or design			
Define endangered	process	S11.A.2.1.4	Laboratory activities	Class discussion
species and explain		Critique the results and	l	
conflicts, both present		conclusions of scientific inquiry	Videos, filmstrips and	Individual student
and future, that		for consistency and logic	slides	exams
jeopardize our wildlife resources.	S11.A.3.1	S11.A.3.1.3	Inquiry questioning	
resources.	Analyze the parts of a	Use appropriate quantitative	inquity questioning	
	simple system, their	data to describe or interpret a	Discussion groups	
	roles, and their relation-	system		
	ships to the system as a whole		Outside observation	
	whole		Computer research and	
TIME:	S11.B.3.1.	S11.B.3.1.5	simulations	
	Use evidence to explain	Predict how limiting factors can		
	the characteristics of and	affect organisms	Review games	
	interactions within an			
	ecosystem			
	Cont.	Cont.		

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
Wildlife management continued	S11.B.3.2 Analyze patterns of	S11.B.3.2.1 Use evidence to explain how	Student using texts	Student worksheets
	change in natural or human-made systems over time	cyclical patterns in population dynamics affect natural systems	Teacher led discussion and demonstrations	Extinct species research
		S11.B.3.2.2	Individual worksheets	Lab experiments
		Explain biological diversity as an indicator of a healthy	Laboratory activities	Class discussion
		environment	Videos, filmstrips and slides	Individual student exams
		S11.B.3.2.3 Explain how natural processes	Inquiry questioning	
		impact the environment over time	Discussion groups	
			Outside observation	
TIME:			Computer research and simulations	
	Cont.	Cont.	Guest Speaker	

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES,	ASSESSMENTS
Wildlife Studies – Grade 12			ACTIVITIES AND EXPERIENCES	
Wildlife management	S11.B.3.3.	S11.B.3.3.1	Student using texts	Student worksheets
continued	Explain how human-	Describe different human-made		
	made systems impact	systems and how they use	Teacher led discussion and	Extinct species
	the management and	renewable and nonrenewable	demonstrations	research
	distribution of natural	natural resources		
	resources		Individual worksheets	Lab experiments
		S11.B.3.3.2		
		Compare and contrast the	Laboratory activities	Class discussion
		impact of management		
		practices in meeting the need	Videos, filmstrips and slides	Individual student
		for commodities locally and		exams
		globally	Inquiry questioning	
		S11.B.3.3.3	Discussion groups	
		Explain the environmental		
		benefits and risks associated	Outside observation	
		with human-made systems		
			Computer research and	
			simulations	
TIME:				
			Review games	

Textbooks Mounted animals and props

Worksheets Videos

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ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.A.3.1 Analyze the parts of a	S11.A.3.1.1 Explain the significance of	Student using texts	Student worksheets
Distinguish mammals by their physical features	simple system, their roles, and their relation-	diversity in ecosystems	Teacher led discussion and demonstrations	Species research
and their unique	ships to the system as a	S11.A.3.1.2		Lab experiments
abilities.	whole	Analyze and predict the effect	Individual worksheets	
		of making a change in one part		Class discussion
Identify selected species		of a system on the system as a	Laboratory activities	In dividual atualant
of common North		whole	Videos, filmstrips and	Individual student exams
American mammals.		S11.A.3.1.3	slides	Chairis
Explain the role of various		Use appropriate quantitative		
mammals within the food chain.		data to describe or interpret a system	Inquiry questioning	
1000 CHairi.			Discussion groups	
Describe management	S11.A.3.3	S11.A.3.3.1		
practices of the past and present.	Compare and analyze repeated processes or	Describe or interpret recurring patterns that form the basis of	Outside observation	
Cont.	recurring elements in patterns	biological classification	Computer research and simulations	
Cont.	patterno	S11.A.3.3.2	Simulations	
TIME:		Compare stationary physical patterns to the object's	Review games	
48 Periods		properties		
	Cont.	Cont.		

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.B.1.1	S11.B.1.1.1	Student using texts	Student worksheets
	Explain structure and	Explain how structure		
Identify skulls, scats, tracks bidgs and other	function at multiple levels	determines function at multiple	Teacher led discussion and demonstrations	Species research
tracks, hides, and other signs of North American	of organization	levels of organization	and demonstrations	Lab experiments
mammals.		S11.B.1.1.2	Individual worksheets	Lab experiments
mammale.		Compare and contrast the		Class discussion
Use various classification		structural and functional	Laboratory activities	
keys and field guides to		similarities and differences		Individual student
locate information.		among living things	Videos, filmstrips and slides	exams
	S11.B.3.1	S11.B.3.1.3		
	Use evidence or	Describe how living organisms	Inquiry questioning	
	examples to explain the	affect the survival of one		
	characteristics of and	another	Discussion groups	
	inter-actions within an eco-system	S11.B.3.1.5	Outside observation	
	Coo System	Predict how limiting factors can	Catalac observation	
		affect organisms	Computer research and	
TIME:			simulations	
			Review games	

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.A.3.1 Analyze the parts of a	S11.A.3.1.1 Explain the significance of	Student using texts	Student worksheets
Distinguish birds by their physical features and	simple system, their roles, and their relation-	diversity in ecosystems	Teacher led discussion and demonstrations	Species research
their unique abilities.	ships to the system as a whole	S11.A.3.1.2 Analyze and predict the effect	Individual worksheets	Lab experiments
Identify selected species of common North	Wildie	of making a change in one part of a system on the system as a	Laboratory activities	Class discussion
American birds.		whole	Videos, filmstrips and	Individual student exams
Explain the role of various birds within the food	\$11.A.3.3 Compare and analyze	S11.A.3.1.3 Use appropriate quantitative	slides	oxame
chain.	repeated processes or recurring elements in	data to describe or interpret a system	Inquiry questioning	
Describe management practices of the past and	patterns	S11.A.3.3.1	Discussion groups	
present.		Describe or interpret recurring patterns that form the basis of	Outside observation	
		biological classification	Computer research and simulations	
		S11.A.3.3.2		
Cont.		Compare stationary physical	Review games	
TIME:		patterns to the object's properties.		
42 Periods	Cont.	Cont.		

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.B.1.1	S11.B.1.1.1		Student worksheets
The students will.			Student using texts	Student worksneets
	Explain structure and	Explain how structure		
 Identify skulls, nests and other signs of North 	function at multiple levels of organization	determines function at multiple levels of organization	Teacher led discussion and demonstrations	Species research
American birds.				Lab experiments
		S11.B.1.1.2	Individual worksheets	
Use various classification		Compare and contrast the		Class discussion
keys and field guides to		structural and functional	Laboratory activities	
locate information.		similarities and differences	Laboratory donvines	Individual student
locate information.		among living things	Videos, filmstrips and	exams
			slides	exams
	S11.B.3.1	S11.B.3.1.3		
	Use evidence or	Describe how living organisms	Inquiry questioning	
	examples to explain the	affect the survival of one		
	characteristics of and	another	Discussion groups	
	interactions within an		3 1	
	ecosystem	S11.B.3.1.5	Outside observation	
		Predict how limiting factors can		
		affect organisms	Computer research and	
TIME:		and or organismo	simulations	
			Review games	

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.A.3.1 Analyze the parts of a	S11.A.3.1.1 Explain the significance of	Student using texts	Student worksheets
Distinguish reptiles and amphibians by their	simple system, their roles, and their relation-	diversity in ecosystems	Teacher led discussion and demonstrations	Species research
physical features and	ships to the system as a whole	S11.A.3.1.2	Individual worksheets	Lab experiments
their unique abilities.	whole	Analyze and predict the effect of making a change in one part		Class discussion
 Identify selected species of common North 		of a system on the system as a whole	Laboratory activities	Individual student
American reptiles and amphibians.	S11.A.3.3	S11.A.3.1.3	Videos, filmstrips and slides	exams
·	Compare and analyze	Use appropriate quantitative		
 Explain the role of various reptiles and amphibians 	repeated processes or recurring elements in	data to describe or interpret a system	Inquiry questioning	
within the food chain.	patterns	S11.A.3.3.1	Discussion groups	
Describe management		Describe or interpret recurring patterns that form the basis of	Outside observation	
practices of the past and present.		biological classification	Computer research and simulations	
Cont.		S11.A.3.3.2		
TIME:		Compare stationary physical patterns to the object's	Review games	
24 Periods	Cont.	properties Cont.	Guest speaker	

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.B.1.1	S11.B.1.1.1	Student using texts	Student worksheets
	Explain structure and	Explain how structure	J	
Identify skulls, shells, calls, and other signs of	function at multiple levels of organization	determines function at multiple levels of organization	Teacher led discussion and demonstrations	Species research
North American reptiles		-		Lab experiments
and amphibians.		S11.B.1.1.2	Individual worksheets	
·		Compare and contrast the		Class discussion
 Use various classification 		structural and functional	Laboratory activities	
keys and field guides to		similarities and differences		Individual student
locate information.		among living things	Videos, filmstrips and slides	exams
	S11.B.3.1	S11.B.3.1.3		
	Use evidence or examples to explain the	Describe how living organisms affect the survival of one	Inquiry questioning	
	characteristics of and interactions within an	another	Discussion groups	
	ecosystem	S11.B.3.1.5	Outside observation	
		Predict how limiting factors can		
TIME:	-	affect organisms	Computer research and	
TIME.			simulations	
			Review games	

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.A.3.1 Analyze the parts of a	S11.A.3.1.1 Explain the significance of	Student using texts	Student worksheets
Distinguish fishes by their physical features and	simple system, their roles, and their relation-	diversity in ecosystems	Teacher led discussion and demonstrations	Species research
their unique abilities.	ships to the system as a whole	S11.A.3.1.2 Analyze and predict the effect	Individual worksheets	Lab experiments
Identify selected species of common North		of making a change in one part of a system on the system as a	Laboratory activities	Class discussion
American fishes.		whole	Videos, filmstrips and	Individual student exams
Explain the role of various fishes within the food		S11.A.3.1.3 Use appropriate quantitative	slides	
chain.		data to describe or interpret a system	Inquiry questioning	
 Describe management practices of the past and 	S11.A.3.3	S11.A.3.3.1	Discussion groups	
present.	Compare and analyze repeated processes or	Describe or interpret recurring patterns that form the basis of	Outside observation	
Cont.	recurring elements in patterns	biological classification	Computer research and simulations	
TIME:		S11.A.3.3.2 Compare stationary physical	Review games	
6 Periods		patterns to the object's properties		
	Cont.	Cont.		

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT Wildlife Studies – Grade 12	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES, ACTIVITIES AND EXPERIENCES	ASSESSMENTS
The students will:	S11.B.1.1	S11.B.1.1.1	Student using texts	Student worksheets
Use various classification keys and field guides to	Explain structure and function at multiple levels of organization	Explain how structure determines function at multiple levels of organization	Teacher led discussion and demonstrations	Species research
locate information.		S11.B.1.1.2	Individual worksheets	Lab experiments
		Compare and contrast the		Class discussion
		structural and functional similarities and differences	Laboratory activities	Individual student
		among living things	Videos, filmstrips and slides	exams
	S11.B.3.1	S11.B.3.1.3		
	Use evidence or examples to explain the	Describe how living organisms affect the survival of one	Inquiry questioning	
	characteristics of and interactions within an	another	Discussion groups	
	ecosystem	S11.B.3.1.5 Predict how limiting factors can	Outside observation	
TIME:		affect organisms	Computer research and	
I IIVIE.			simulations	
			Review games	

Textbooks Mounted animals and props

Worksheets Videos

Lab Experiments

ENRICHMENT AND EXPANDED OPPORTUNITIES:

Related projects Related computer software

Outside reading and/or observation

Current events

REMEDIATION AND INTERVENTION STRATEGIES:

CONTENT	STANDARDS	GRADE-LEVEL BENCHMARKS GRADE SPECIFIC CRITERIA	INSTRUCTIONAL STRATEGIES, LEARNING PRACTICES,	ASSESSMENTS
Wildlife Studies – Grade 12			ACTIVITIES AND EXPERIENCES	
The students will:			Student using texts	Review of students nature journals
Take time to enjoy the			Teacher led discussion	-
aesthetic value of our natural surroundings.			and demonstrations	
Record their observations			Individual worksheets	
and thoughts in a writing			Laboratory activities	
format unique to them.				
romat unique to trom.			Videos, filmstrips and	
Determine which			slides	
essentials are necessary				
for survival in the wild.			Inquiry questioning	
Practice nature			Discussion groups	
observation skills.			Outside observation	
			Outside observation	
			Computer research and	
TIME:			simulations	
9 Periods				

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REMEDIATION AND INTERVENTION STRATEGIES: