North Polk Community Schools Pacing & Course Description Guide

Grade Level: 11-12	**Content: Zoology**	**Year:** 2023-24

Course Description/Rationale

ZOOLOGY (10-12) One Semester **(RAI)** (offered odd years)
The course gives an introduction to zoology, with particular emphasis on the morphology and systematics of both vertebrates and invertebrates. In addition, the students should acquire basic knowledge in ethology, evolution, and human ecology (including an introduction to the biosphere and biodiversity). (1 HS credit)

Name of Unit	Time Frame	Essential Learning Target	Standard(s)
1: Classification of Living Organisms	2 Weeks	Students understand the organization of living organisms based on taxonomy. Students can use cladograms to show relationships between organisms.	
2: Worm	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
3: Grasshopper	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
4: Crayfish	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	

5: Starfish	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
6: Clam	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
7: Squid	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
8: Frog	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
9: Perch	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
10: Shark	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
11: Pigeon	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
12: Pig	1 Week	I can properly dissect an organism in order to better understand its structure and function. I can identify an organism's tissues and structures in a lab practical setting.	
13: Skeletal Structure Construction	3 Weeks	I can construct a mammal skeleton to be used as a future class model.	

14: Virtual Dissection Design	2 Weeks	I can design a virtual dissection for peers to complete using the Zspace computer.	