






Cornwall-Lebanon School District Curriculum Overview

Biology 2 CP - 10th-12th Grade

length of time in weeks	Concepts & Competencies	Common Assessments	Academic Standards (PA Core if applicable)
Unit 1  4	<p align="center"><u>Water Ecology</u></p> <p>Students will describe human impact on water ecosystems and assess inorganic and organic properties of freshwater ecology.</p>	<ul style="list-style-type: none"> ➤ Freshwater Chemical Analysis ➤ Macroinvertebrate Analysis ➤ Water Ecology Test 	3.1.12.A1 3.1.12.A2 3.1.12.A8 4.1.12.C 4.2.12.A 4.4.12.A
Unit 2  5	<p align="center"><u>Muscular, Skeletal, and Integumentary Systems</u></p> <p>Students will describe the structure and function of the muscular, skeletal, and integumentary systems and explain common disorders of human body systems.</p>	<ul style="list-style-type: none"> ➤ Bone Quiz ➤ Chicken Leg Dissection ➤ Muscular, Skeletal, and Integumentary Test 	3.1.12.A5 3.1.12.A6
Unit 3  4	<p align="center"><u>Circulatory and Respiratory Systems</u></p> <p>Students will describe the structure and function of the circulatory and respiratory systems and explain common disorders of human body systems.</p>	<ul style="list-style-type: none"> ➤ Heart Dissection ➤ Heart Structure Quiz ➤ Circulatory and Respiratory Test 	3.1.12.A5 3.1.12.A6
Unit 4  4	<p align="center"><u>Digestive and Excretory Systems</u></p> <p>Students will describe the structure and function of the digestive and excretory systems and explain common disorders of human body systems.</p>	<ul style="list-style-type: none"> ➤ Fetal Pig Dissection ➤ Digestive and Excretory Test 	3.1.12.A5 3.1.12.A6 3.1.12.A7 3.1.12.B5
Unit 5  3	<p align="center"><u>Nervous System</u></p> <p>Students will describe the structure and function of the nervous system and explain common disorders of human body systems.</p>	<ul style="list-style-type: none"> ➤ Brain Dissection ➤ Eye Dissection ➤ Brain Quiz ➤ Nervous System Test 	3.1.12.A5 3.1.12.A6

Unit 6 <div style="border: 1px solid red; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">6</div>	<p style="text-align: center;"><u>Animal Kingdom: Invertebrates</u></p> <p>Students will explain defining characteristics of invertebrate phyla and explain biological impact of invertebrate phyla.</p>	<ul style="list-style-type: none"> ➤ Invertebrate Projects ➤ Worm Lab ➤ Phylum Quizzes ➤ Invertebrate Test 	<p>3.1.12.A1 3.1.12.A2 3.1.12.A5 3.1.12.A6</p>
Unit 7 <div style="border: 1px solid red; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">2</div>	<p style="text-align: center;"><u>Animal Kingdom: Vertebrates</u></p> <p>Students will explain defining characteristics of vertebrate phyla and explain biological impact of vertebrate phyla.</p>	<ul style="list-style-type: none"> ➤ Vertebrate Projects ➤ Vertebrate Test 	<p>3.1.12.A1 3.1.12.A2 3.1.12.A5 3.1.12.A6</p>
Unit 8 <div style="border: 1px solid red; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">5</div>	<p style="text-align: center;"><u>Environmental Issues</u></p> <p>Students will explain causes, effects, and solutions of environmental issues.</p>	<ul style="list-style-type: none"> ➤ Environmental Presentations ➤ Environmental Issues Test 	<p>3.1.12.C1 4.1.12.A 4.1.12.B 4.1.12.E 4.3.12.A 4.5.12.A</p>
Unit 9 <div style="border: 1px solid red; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin: 5px auto;">1</div>	<p style="text-align: center;"><u>Field Ecology</u></p> <p>Students will use field guides to identify flora and explain important characteristics and uses of flora.</p>	<ul style="list-style-type: none"> ➤ Field Activity ➤ Field Research 	<p>4.1.12.A</p>