WARREN COUNTY SCHOOL DISTRICT

PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: Anatomy
Course Number: 00313
Course Prerequisites: Biology CP

Course Description: Anatomy is a two-semester elective course concerned with the structure and function of the human body and concentrates on a detailed study of the anatomy of the muscular, circulatory, digestive, respiratory, excretory, integumentary, endocrine, urinary, nervous and reproductive systems. The anatomy of other vertebrates will be considered. The course includes lab work and considerable reading.

Suggested Grade Level: Grades 11-12
Length of Course: Two Semesters
Units of Credit: 1
PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certifications:
CSPG 32 Biology
To find the CSPG information, go to CSPG
Certification verified by the WCSD Human Resources Department: ☒Yes ☐No

WCSD STUDENT DATA SYSTEM INFORMATION

Course Level: Academic
Mark Types: Check all that apply.
☒F – Final Average ☒MP – Marking Period ☒EXM – Final Exam

GPA Type: ☐ GPAEL-GPA Elementary ☐ GPAML-GPA for Middle Level ☒ NHS-National Honor Society
☒ UGPA-Non-Weighted Grade Point Average ☒ GPA-Weighted Grade Point Average

State Course Code: 03054
To find the State Course Code, go to State Course Code, download the Excel file for *SCED*, click on SCED 6.0 tab, and chose the correct code that corresponds with the course.

TEXTBOOKS AND SUPPLEMENTAL MATERIALS

Board Approved Textbooks, Software, and Materials:

Title:	Essentials of Human Anatomy and Physiology
Publisher:	Pearson
ISBN #:	0-13-458057-5
Copyright Date:	2018
WCSD Board Approval Date:	5/14/2018

Supplemental Materials: Dissection materials

Curriculum Document

WCSD Board Approval:

Date Finalized:	2/28/2018
Date Approved:	5/14/2018
Implementation Year:	2018-2019

SPECIAL EDUCATION, 504, and GIFTED REQUIREMENTS

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (IEP), Chapter 15 Section 504 Plan (504), and/or Gifted Individual Education Plan (GIEP).

The teacher shall make appropriate modification to instruction and assessment based on a student's Individual Education Plan (IEP) or Gifted Individual Education Plan (GIEP).

SCOPE AND SEQUENCE OF CONTENT, CONCEPTS, AND SKILLS

Performance Indicator	PA Core Standard and/or Eligible Content	Month Taught and Assessed for Mastery
Explain how organ system function ultimately depends on cell specialization within the system.	BIO.A.1.2 BIO.A.2.2	August September
Describe the main tissue types of the human body.	BIO.A.1.2 BIO.A.2.2	August September
Define anatomy and physiology.	BIO.A.1.2 BIO.A.2.2	August September
Explain how anatomy and physiology are related.	BIO.A.1.2 BIO.A.2.2	August September
Name six levels of structural organization in the human body.	BIO.A.1.2 BIO.A.2.2	August September
Name the major organ systems of the body.	BIO.A.1.2 BIO.A.2.2	August September
Identify individual organs that make a particular system.	BIO.A.1.2 BIO.A.2.2	August September
List eight functions that humans must perform to maintain life.	BIO.A.2.3 BIO.A.3.2 BIO.A.4.2	September
List the five survival needs of the human body.	BIO.A.2.3 BIO.A.3.2 BIO.A.4.2	September
Describe anatomical position.	BIO.A.2.3 BIO.A.3.2 BIO.A.4.2	September
Use proper anatomical terminology to describe body directions, surfaces, and planes.	BIO.A.2.3 BIO.A.3.2 BIO.A.4.2	September
Locate the major body cavities.	BIO.A.2.3 BIO.A.3.2 BIO.A.4.2	September
Define homeostasis.	BIO.A.2.3 BIO.A.3.2 BIO.A.4.2	September
Differentiate between positive and negative feedback.	BIO.A.2.3 BIO.A.3.2 BIO.A.4.2	September
Give the chief locations of various tissue types in the body.	BIO.A.1.2 BIO.A.2.2	September
Describe the process of tissue repair.	BIO.A.1.2 BIO.A.2.2	September
Define neoplasm and distinguish benign and malignant neoplasm.	BIO.A.1.2 BIO.A.2.2	September

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Explain the significance of the fact that some tissue types (muscle and nerve) are largely amitotic after the growth stages are over.	BIO.A.1.2 BIO.A.2.2	September
Explain how organ system function of the integumentary system ultimately depends on cell specialization.	BIO.A.1.2 BIO.A.2.2	October
Identify the tissues and organs of the integumentary system.	BIO.A.1.2 BIO.A.2.2	October
Identify the major bones of the human body.	BIO.A.1.2 BIO.A.2.2	October
Describe the different types of bones.	BIO.A.1.2 BIO.A.2.2	October
Describe developmental aspects of the skeletal system.	BIO.A.1.2 BIO.A.2.2	October
Identify human muscles and related structures.	BIO.A.1.2 BIO.A.2.2	November
Explain how organ system function of the muscular system ultimately depends on cell specialization.	BIO.A.1.2 BIO.A.2.2	November
Identify the major endocrine glands and tissues.	BIO.A.1.2 BIO.A.2.2	December
Identify the major homeostatic imbalances of the endocrine system.	BIO.A.1.2 BIO.A.2.2 BIO.A.4.2 BIO.A.2.3	December
Describe the effects of aging on the endocrine system and body homeostasis.	BIO.A.1.2 BIO.A.2.2 BIO.A.4.2 BIO.A.2.3	December
Explain the structural and function classification of the nervous system.	BIO.A.1.2 BIO.A.2.2 BIO.A.4.2	December
Describe the general structure of a nerve.	BIO.A.1.2 BIO.A.2.2 BIO.A.4.2	December
Identify the major regions of the hemispheres, diencephalon, brain stem, and cerebellum.	BIO.A.1.2 BIO.A.2.2 BIO.A.4.2	December
Identify the chambers of heart.	BIO.A.1.2 BIO.A.2.2	January
Identify and locate the heart valves.	BIO.A.1.2 BIO.A.2.2	January
Trace the flow of blood through pulmonary and systemic circulation.	BIO.A.1.2 BIO.A.2.2	January
Explain how organ system function of the cardiovascular system ultimately depends on the cell specialization.	BIO.A.1.2 BIO.A.2.2	January

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Performance Indicator	**PA Core Standard and/or Eligible Content**	**Month Taught and Assessed for Mastery**
Identify the male and female reproductive organs.	BIO.A.1.2 BIO.A.2.2	February
Describe the three stages of labor.	BIO.A.1.2 BIO.A.2.2	February
Compare developmental aspects of the reproductive system in both males and females.	BIO.A.1.2 BIO.A.2.2	February
Name the two major types of structures composing the lymphatic system.	BIO.A.1.2 BIO.A.2.2	February
Explain how the lymphatic system is related to the cardiovascular system.	BIO.A.1.2 BIO.A.2.2	February
Describe the functions of the lymph nodes, tonsils, thymus, peyer's patches, and the spleen.	BIO.A.1.2 BIO.A.2.2	February
Describe allergies, autoimmune disease, and immunodeficiencies.	BIO.A.1.2 BIO.A.2.2	February
Identify the structures and functions of the organs of the human digestive system.	BIO.A.1.2 BIO.A.2.2	March
Trace a food molecule through the entire human digestive system.	BIO.A.1.2 BIO.A.2.2	March
Identify the organs of the urinary system.	BIO.A.1.2 BIO.A.2.2	April
Describe the formation of urine.	BIO.A.1.2 BIO.A.2.2	April
Identify nephrons as the function unit of the kidney.	BIO.A.1.2 BIO.A.2.2	April
Describe disease conditions of the urinary system.	BIO.A.1.2 BIO.A.2.2	April
Identify the organs of the respiratory system.	BIO.A.1.2 BIO.A.2.2	May
Describe the functions of the respiratory organs.	BIO.A.1.2 BIO.A.2.2	May
Describe gas exchange in humans.	BIO.A.1.2 BIO.A.2.2	May
Explain how the function of the respiratory system ultimately depends on cell specialization within the system.	BIO.A.1.2 BIO.A.2.2	May

ASSESSMENTS

PSSA Academic Standards, Assessment Anchors, and Eligible Content: The teacher must be knowledgeable of the PDE Academic Standards, Assessment Anchors, and Eligible Content and incorporate them regularly into planned instruction.

Formative Assessments: The teacher will utilize a variety of assessment methods to conduct in-process evaluations of student learning.

Effective formative assessments for this course include: Exit tickets, projects, labs/dissections, etc.

Summative Assessments: The teacher will utilize a variety of assessment methods to evaluate student learning at the end of an instructional task, lesson, and/or unit.

Effective summative assessments for this course include: Teacher created quizzes, labs, test, etc.