

ANATOMY AND PHYSIOLOGY

SCOPE AND SEQUENCE

CHAPTER 1

Key topics: History of human anatomy; levels of body organization; organs & organ systems; endocrine system—glands & hormones; nervous system—divisions, structure & function, brain, five senses; integumentary system; skeletal system divisions, structure & function; muscular system structure & function

CHAPTER 2

Key topics: The circulatory system—structure & function of the heart, blood cells & blood vessels; diseases of the circulatory system; the respiratory system—structure, function & diseases of; the digestive system—structure & function, nutrient needs & consequences of deficiencies, the role of the liver; the excretory system—structure & function of kidneys, importance of water balance, kidney disease; the immune system—protective role, function of, diseases of, vaccines; reproductive system—male & female types; menstrual cycle phases; embryonic development; fetal development; birth & lactation