Lesson 5 Goals

Content Objectives: Students will know:

- The origins of human anatomy study and how our understanding of human anatomy has been refined through the ages.
- Basic anatomy, physiology, and pathology for major body systems
- Terminology associated with the medical field

Skill Objectives: Students will be able:

- To outline the history of human anatomy study
- To analyze the issue of human dissection and advocate a position from a chosen perspective
- To identify specific contributions of Chinese medicine
- To summarize the general functions of major human body systems (7.L.1.4)
- To use anatomy reference cards to supplement and guide anatomy learning
- To associate specific pathologies with specific body systems (8.L.5.2)
- To design a creative lesson to teach anatomy and physiology (7.RP.1.2)
- To design an experiment to address a modern medical challenge
- To employ observation and scientific reasoning in a medical simulation

Essential Understandings: Students will understand:

- Technology is becoming an increasingly important part of medicine.
- Human doctors still have to exercise experienced judgment to diagnose and treat illness.
- Anatomy reflects physiology.
- Technology has played a role in enhancing the understanding of the body.
- Human anatomy studies became more acceptable due to Leonardo da Vinci’s unique artistic contributions.
- Human cadaver dissection has not always been supported by society.
- The Chinese made extensive and unique contributions to medicine.
- Many myths about the human body have been discredited by scientific research.
- Diagnosing illness is possible through observation, data gathering, scientific reasoning, and medical skill.
- Modern day medicine integrates aspects of technology developed from scientific research.
Essential Questions: Students will explore:

- What is meant by the phrase “the art of medicine”?
- What are the steps in diagnosing a disease?
- Why can’t every illness be definitively diagnosed?
- How has the development of medicine influenced society?
- How has society influenced the development of medicine?
- How do the various body systems interact to form a functioning human being?