High School Human Anatomy Introduction	Links
Introduction to Human Anatomy and Physiology. Molecules, Cells and Tissues	
Standards	
HS-LS1- Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms. Feedback mechanisms maintain a living system internal conditions within certain limits. Feedback mechanisms can encourage (through positive feedback) or discourage (through negative feedback) what is going on inside the living system (Human body)	
LS1.A	
 21st Century Learning Expectations: Hinsdale students will communicate through various means Hinsdale students will be able to solve problems 	Link for 21st Century Learning Expectations
Enduring Understandings (cross cutting concepts): Multicellular organisms have a hierarchical structural organization, in which any one system is made up of numerous parts and is itself a component of the next level.	
Feedback mechanisms maintain homeostasis in the human body.	

Learning Competencies (engineering practices)	Essential Questions (core ideas)
Students will be able to: (NGSS Science and Engineering practices) Explain that the human body is composed of atoms, that come together to form molecules, that certain molecules form cells, that cells come together to form four types of tissue, that these tissues are part of organs, and organs work together to perform specific functions and that all organ systems work in unison to maintain homeostasis.	How is the Human Body Organized? How are humans similar to other organisms? What is the difference between
Performance Task Samples and learning activities	
Performance/Transfer Tasks Solving puzzles about levels of organization and organs, organ systems and function matching.	

Essay writing: How do all organ systems work together to maintain homeostasis	
Learning Plans	
 Levels of Organization review. Systems matching game. Homeostasis and feedback mechanisms. Language of Anatomy, Anatomical Terms. (positions, body regions, directions and sections) Body Cavities. Review Atoms, Bonds and the Molecules of life. Review of cell functions and organelles. Review of Mitosis and Cell Cycle The four types of tissue in the body. Review of use and care of the Microscope 	
Materials	
Illustrations of organs, systems and cards with functions.	
Computers with internet access.	
Microscopes.	
Prepared slides of tissues.	

Technology Integration		
Body regions activities:		
http://www.wisc-online.com/objects/ViewObject.aspx?ID=AP15405		
http://www.wiley.com/legacy/college/bio/tortora366927/resources/student/anatomydrill/ch1.html		
intep.//www.wiiey.com/iegacy/conege/bio/tortora50092//resources/student/anatomydmi/cm.num		
Tissue activities, http://www.mbbe.som/biossi/an/bistology, mb/start_bistology.btml		
Tissue activities: http://www.mhhe.com/biosci/ap/histology_mh/start_histology.html		
Human homeostasis game: http://www.pbslearningmedia.org/asset/tdc02_int_bodycontrol/		
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