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| M. Angileri | **6th grade science** | | **Lesson Plans 11-5-18 Body Systems #2** | | | | |
| NGSS Standards | **MS-LS1**  DCI :  **MS-LS1.A.3**  S & E practices  CCC | | Use argument supported by evidence for how the body is a system of interacting subsystems composed of a group of cells.  **Structure and Function:** In multicellular organisms, the body is a system of multiple interacting subsystems. These subsystems are groups of cells that work together to form tissues and organs that are specialized for a particular body functions.  **Asking Questions and Defining Problems:** Asking questions to determine relationships between independent and dependent variables in relationships in models.  **System and System Models:** Systems may interact with other systems; they may have subsystems and be part of larger complex systems | | | | |
| Essential Question | | **What body systems are required to run a mile?** | | | | | |
| Vocabulary: | | **Cell:** The basic structural and functional unit of living organisms.  **Functions:** What something does**.**  **Multicellular:** An organism made up of more than one cell and often is made up of different types of cells.  **Organ:** A collection of similar tissues joined together into a structure that performs specialized functions.  **Organism:** A self-contained living thing.  **Specialized:** A self-contained living thing.  **Subsystem:** A self-contained system within a larger system.  **System:** A group of interacting or interdependent elements forming a complex whole, as in all the factors or variables in an environment or all the variables that might affect a science experiment.  **Tissue:** A mass of similar cells that perform a specialized function | | | | | |
|  | | **MONDAY**  **Substitute** | | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| Content Objective: | | SW demonstrate comprehension of how systems may interact with other systems; they may have subsystems and be part of larger complex systems by summarizing key concepts with 75% accuracy | |  | SW demonstrate application of how the body is a system of interacting subsystems composed of a group of cells by constructing google slides highlighting the key parts of each system with 80% accuracy. | SW demonstrate application of how the body is a system of interacting subsystems composed of a group of cells by constructing google slides highlighting the key parts of each system with 80% accuracy. | SW demonstrate analysis of how in multicellular organisms, the body is a system of multiple interacting subsystems by distinguishing the effects of exercise on multiple body systems with 70% accuracy. |
| Language objective | | SW orally discuss how systems may interact with other systems; they may have subsystems and be part of larger complex systems using complete sentences with 75% accuracy. | |  | SW write to describe how the body is a system of interacting subsystems composed of a group of cells using content specific vocabulary with 80 % accuracy. | SW write to describe how the body is a system of interacting subsystems composed of a group of cells using content specific vocabulary with 80 % accuracy. | SW orally discuss how in multicellular organisms, the body is a system of multiple interacting subsystems by distinguishing the effects of exercise on multiple body systems with 70% accuracy. |
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