|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| M. Angileri | **6th grade science** | | **Lesson Plans 11-26-18 Sensory Receptors #3** | | | | |
| NGSS Standards | **MS-LS1-**8  DCI :  **MS-LS1.D.1**  S & E practices  CCC | | **G**ather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage memories.  **Information processing:** Each sense receptor responds to different inputs (electromagnetic, mechanical, chemical) transmitting them as signals that travel along nerve cells to the brain. The signals are then processed in the brain, resulting in immediate behaviors or memories.  **Obtaining, Evaluating, and communicating information:** Gather, read, and synthesize information from multiple appropriate sources and assess the credibility, accuracy, and possible bias of each publication and methods used, and describe how they are supported or not supported by evidence.  **Cause and Effect:** Cause and effect relationships may be used to predict phenomena in a natural or designed system. | | | | |
| Essential Question | | **H**ow does your body know to produce sweat when you are working out? | | | | | |
| Vocabulary: | | **Behavior:** What a plant or animal does.  **Brain:** organ that serves as the primary control center of the nervous system in all vertebrate and most invertebrate animals  **Electromagnetic Input:** Signals that enter the body in the form of electromagnetic stimuli  **Nerve Cell:** A cell specialized for transmitting fast electrochemical signals  **Chemical Input:** A chemical that enters the body.  **Mechanical Input:** Signals that enter the body through physical touch or vibration.  **Sensory Receptor:** A nerve ending that sends signals to the central nervous system when it is stimulated.  **Stimulus:** An action or condition that provokes a response. | | | | | |
|  | | **MONDAY** | | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY 1/2 day** |
| Content Objective: | | SW demonstrate application of how sensory receptors respond to stimuli by sending messages to the brain by completing the graphic organizer with 75% accuracy. | | SW demonstrate application about how sense receptors responds to different inputs transmitting them as signals that travel along nerve cells to the brain by completing the Brain pop with 80% accuracy. | SW demonstrate comprehension of Body Systems and Sensory Receptors by explaining their answers on the study guide with 80% accuracy. | SW demonstrate evaluation of Body Systems and Sensory Receptor**s** by testing on the Common assessment with 80% accuracy | SW demonstrate application of kinetic energy is proportional to the mass of the moving object and grows with the square of its speed by carrying out the speed and motion activity with 75% accuracy. |
| Language objective | | SW write to describe how sensory receptors respond to stimuli by sending messages to the brain using content specific vocabulary with 75% accuracy. | | SW listen to make connections among the ways sense receptors responds to different inputs transmitting them as signals that travel along nerve cells to the brain using the Brain Pop questions with 80 % accuracy. | SW speak to discuss Body Systems and Sensory Receptors using sentence frames with 80% accuracy. | SW read/write to synthesize information about Body Systems and Sensory Receptors using the common assessment. | SW write to explain how of kinetic energy is proportional to the mass of the moving object and grows with the square of its speed using sentence starters with 75% accuracy. |
| In class today | | Catch up day  Linking Literacy  CCV Nervous system  Traditional Senses  Scents and Memory  Hmwk: G.O. Information Processing | | Brain Pop: Body Systems and Nervous System  CCV How we touch  Concept Review game  Hmwk: Study Guide | Correct Study Guide  Kinetic Energy  APK  Hook | Test  Study Guide Collected  Vocabulary Kinetic Energy | Kinetic Energy: Activity 1 Speed and Motion |