**7th Grade Science Lesson Plans**

January 6 – 10

Cellular Respiration

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| **CONTENT****OBJECTIVE:** | Students will be able to demonstrate ***analysis*** of the flow of energy in organism by ***determining*** the order of organisms and the source of energy for each. | Students will be able to demonstrate ***analysis*** of the chemical reactions in the digestive system by ***explaining*** the role of enzymes in the digestive process with a score of 2 or higher on a type 2 writing. | Students will be able to demonstrate ***comprehension*** of the process of cellular respiration by ***identifying*** the missing term from the steps of cellular respiration with an 80% accuracy. | Students will be able to demonstrate ***analysis*** of cellular respiration and photosynthesis by ***comparing and contrasting*** the two using a graphic organizer. | Students will be able to demonstrate ***application*** of measuring the energy in food by ***calculating*** the amount of calories in a marshmallow on an exit ticket with no errors. |
| **LANGUAGE OBJECTIVE:** | Students will discuss the order of organisms using cards. | Students will write to explain using a Type 2 writing. | Students will read in order to complete a lab activity. | Students will write to explain using a type 2 writing. | Students will discuss how to determine the energy in food using a discussion question and sentence stem. |
| **VOCABULARY:** |  | Enzyme, Carbohydrate, Protein, Lipid, Digestion | Cellular Respiration, Mitochondria |  | Energy, Calories |
| **NGSS:** | **MS-LS1-7:**Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism | **MS-LS1-7:**Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism | **MS-LS1-7:**Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism | **MS-LS1-7:**Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism | **MS-LS1-7:**Develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism |