Mrs. Ostrowski’s Lesson Plans

Objectives:

1. Explain how the process of diffusion
2. Describe how osmosis occurs
3. Compare active and passive transport
4. Explain how large particles get into and out of cells
5. Describe photosynthesis and cellular respiration
6. Explain how cells produce more cells
7. Describe the process of mitosis
8. Explain how mitosis is what causes cancers to spread

Differentiation: Read aloud, utilize brain pop, interactive notebook, labs- small and large group

NGSS: MS-LS1.1, MS-LS1.5, LS1 A, LS1.C, Cause and Effect, Systems and system models, Interdependence of Science, engineering, and technology, Obtaining, evaluating and communicating information, scientific knowledge is based on empirical evidence.

CCS- RST.6.8.1, RST.6.8-2, WHST.6-8.7, WHST6.8-8, WHST.6.8-9, 6.EE.C.9, 6.SP.B.4

Date: 1/14/19

1. Periods 2-6: Students will be in small groups to complete the start up activity in their text book on page 33. Each person is writing and will turn in answers today. We will also have an introductory word search for vocabulary.
2. Periods 7/9- Continue working on their Cell Assessment each day. Project Due 1/17

Date: 1/15/19

1. Periods 2-6: Read 2.1 together. Begin to set up and fill out our interactive notebook for cell processes. If time allows work on the osmosis gizmo.

Date: 1/16/19

1. Periods 2-6: Egg diffusion lab (Summative) day 1- set up together as a class. Osmosis gizmo

Date: 1/17/19

1. Periods 2-6: Day 2 diffusion lab, osmosis gizmo
2. Periods 7/9- Present their projects and play games

Date: 1/18/19

1. Periods 2-6:” Day 3 of egg diffusion, due end of class Tuesday 1/22
2. Periods 7/9: Read 2.1 together and watch the Brain Pop on active transport.

\*\*1/2 day for students

Date: 1/21/19- No school

Date: 1/22/19

1. Periods 2-6: Finish lab and Gizmo, due today
2. Periods 7/9: Start up activity and egg diffusion lab day 1 set up. Set up IN if time allows.

Date: 1/23/19

1. Periods 2-6: Read 2.2 together and work on the photosynthesis and cellular respiration wheel. Photosynthesis Gizmo due 1/25
2. Periods 7/9: Day 2 of the egg diffusion lab. Read 2.2 independently and fill in IN as well as the photosynthesis/cellular respiration wheel.

Date: 1/24/19

1. Periods 2-6: Photosynthesis gizmo due beginning of class tomorrow. Review mitosis gizmo
2. Periods 7-9: Mitosis Gizmo due 1/29

Date: 1/28/19- 2/4

1. Periods 2-6: Cancer project- summative: The students will be introduced to the cancer project on Monday and will have all week to research and put together a project of their choice with the option to present Monday 2/4. Mitosis is the process of cell division and cancer is when the healthy cells become mutated and begin to grow and divide at an exponential rate creating tumors. At this age students are very curious about how the information we are learning in class is relevant to “real life”. Most of us have been affected either first hand or have heard of cancer. This is a way to let the kids know that even if they have never heard of mitosis, it is still very real world. This also allows students to choose the type of cancer they would like to learn more about, as well as, a project that best suits their learning styles.
2. Periods 7/9- Mitosis gizmo due tomorrow 1/29

Date: 1/29/19- 2/4/19

1. All classes- Cancer project- periods 7/9 see above information. Periods 7/9 will be have Monday to continue working and will have the opportunity to present on Tuesday 2/5