Week of: 10/5-10/9 **Teacher** Anderson **Subject: Biology**

Monday	TLW:	Objective: Students will be able to compare the similarities and differences of prokaryote and eukaryotes and relate to cellular structure, function and processes within those cells. TEKS: 4A
		Activities: 1. Cell observation- Students will rotate through stations and observe different types of cells under the microscope. They will draw pictures of what they see under the microscope. Students will compare and contrast the differences in the cells. 2. The teacher presents information on similarities and differences between prokaryotic and eukaryotic cells.
		Materials: Microscope, Lab Notebooks, Cell Handout for drawings
		Follow Up/HW:
Tuesday	TLW:	Objective: Students will be able to compare the similarities and differences of prokaryote and eukaryotes and relate to cellular structure, function and processes within those cells. TEKS: 4A Students will investigate and identify cellular processes including homeostasis, permeability, energy production, transportation of molecules, disposal of wastes, function of cellular parts, and synthesis of new molecules. TEKS: 4B
		Activities: **Cell Transport (Diffusion/Osmosis)** 1. **Engage-** The teacher sprays air freshener in one corner of the room and students raise their hands when they smell the substance. The students then discuss "What happened to the particles?" to introduce diffusion. 2. **Explore-** Students complete diffusion lab. 3. **Explain-** Students take notes on foldable sheets of paper with a description, example and illustration of diffusion, facilitated diffusion and active transport.
		Materials: Diffusion lab, foldable notes, Power Point
		Follow Up/HW: Test Wednesday/Thursday
Wednesday	TLW:	Objective: Students will be able to compare the similarities and differences of prokaryote and eukaryotes and relate to cellular structure, function and processes within those cells. TEKS: 4A Students will investigate and identify cellular processes including homeostasis, permeability, energy production, transportation of molecules, disposal of wastes, function of cellular parts, and synthesis of new molecules. TEKS: 4B
		Activities: **Warm-up**: How are diffusion and facilitated diffusion similar and different? **Explore**: Students complete Osmosis in Elodea lab to discover what happens to cells during osmosis. **Explain:** Students take notes on osmosis illustrations of hypotonic, hypertonic, and isotonic environments. **Elaborate:** Students complete a card sorting activity in which they correctly match the situation with the correct label (diffusion/osmosis) or movement of particles. **Evaluate:** Osmosis/Diffusion released TAKS question exit ticket -Students complete Lab Report on Diffusion and Osmosis Labs.
		Materials: Elodea, Water, Salt, Foldable notes, Osmosis Illustrations
		Follow Up/HW: