

Week of: 10/12-10/16

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 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:

Engage/Explore: Students will sort through names, functions, and pictures of organelles. Before teaching about the organelles, students sort through the cards, matching the picture, name, and function of the organelles. Students will keep the cards the way they are while the teacher goes over the notes for cells.

Explain: Students are provided diagrams of plant and animal cells so they may label and give the function for each organelle. Students use their textbook to help with identifying the functions of each organelle.

Materials: Organelle Cards, Power Point Notes

Follow Up/HW:

Tuesday

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Activities:

Explain: Students are given Power Point notes to help with understanding structure and functions of organelles.

Elaborate: Students go back and revise their organelle cards, matching the name, picture, and functions for each organelle.

Evaluate: Students compare and Contrast the animal cell to the plant cell.

-Quiz on Cell Transport, Organelles

Materials: Organelle Cards, Quiz

Follow Up/HW:

Wednesday/ Thursday

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Activities:

Cell Amusement Park Brochure Project- Students will create a brochure advertising an amusement park, museum, mall, etc that someone wants to visit. The brochure must feature and describe at least 8 points of attraction (organelles). Students need to describe the structure and function of at least 8 cell organelles or processes using creative and humorous analogies based on what the part or process would be at their attraction.

Materials: Cell Notes, Textbook

Follow Up/HW: Cell Brochure Project due Monday, October 19, 2009

Friday

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:

1. Students are given time in class to work on Cell Amusement Park Projects. Teacher will be going around the room to make sure students are on the right track, answering any questions students may have about the project. I will also check analogies to make sure they are accurate and make sense in relation to the function of each organelle.

Materials: Construction Paper, Markers, Colored Pencils, Glue, Scissors

Follow Up/HW: Cell Brochure Project due Monday, October 19, 2009