



Class Title: Blue One Man Band: Single-Celled Organisms

Teacher Name: Trish Poston

Class Day: Friday

Class Size: 15

Class Cost: \$40

Class Fee: \$96

Ages or color group served: Blue

What level is this class: Level 3

Prerequisites: Students must be able to read and write well independently

Graduation Requirements: Compete project: Single cell organism of their choice labeled along with the function identified

Homework Requirements: TBA: light if assigned, mostly study to ensure comprehension of class discussions

Class Description:

Students will study multiple single-celled organisms throughout the semester. They will complete a project by choosing one of the organisms we studied creating a poster and label the organelles and their functions to show off their knowledge.

Week 1:

Introductions and Class Expectations

What is a single-celled organism?

Unicellular vs Multicellular

Examples of single-celled organisms

What are organelles?

Week 2:

What is the difference between prokaryotic and eukaryotic cells, protists?

Examples of each and their ability to perform complex functions because of their organelles.

Organelles (Structure and Function): cell membrane, Cytoplasm, True Nucleus, Nucleoid

Week 3:

Prokaryotic unicellular organisms and their organelles/function.

Week 4:

Eukaryotic Unicellular Organisms and their organelles/function.

Week 5:

Protists: Amoeba, Paramecium, Euglena

Label organelles and compare mobility

Week 6:

Functions of complex organelles in protists

Week 7:

Continue labeling and review function of complex organelles.

Week 8:

Pick a partner or choose to work independently: Choose the unicellular organism for your project

Week 9:

Begin projects

Week 10:

Continue working on projects

Week 11:

Finish projects

Week 12:

Present projects and end of class party

