

Welcome to Exploring Creation with Biology!

Biology Syllabus and Calendar Fall 2018

Class supplies include:

Text: Exploring Creation with Biology by Jay Wile

Three-ring binder for class notes and other handouts

Notebook paper

Writing utensil

Microscopes and related supplies are provided by Tri-County

Week of August 27th

Due on Friday: "Roots" homework.

Look up each root and record the meaning on the chart.

Check with key and then memorize the meaning for a quiz.

Begin Module 1 - Read pages 1-7 (up to all forms reproduce)

Read pages 7-15

Read pages 15-24 - Study for Quiz



Friday, August 31

5-12 Co-op

Classification Project

Do Experiment 1.1 in class

Quiz on Roots

Discuss other Projects for the Year

Week of September 3rd

Happy Labor Day! Enjoy!

Finish Experiment 1.1

Read pages 27-32 and begin Module 1 Study Guide

Complete Study Guide for Module 1

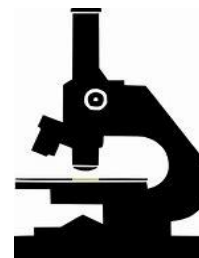
Study and take Module 1 test

Friday, September 7

Co-op

Introduction to the Microscopes

Do experiment 1.2 in class

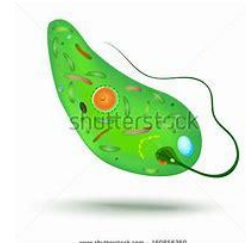


Week of September 10th

Begin Module 2 - Read pages 37-41

Read pages 41-47

Read pages 47-53



Friday, September 14 - Optional Pond Life Experience 2:00-4:00 p.m. Location: TBD

If you come, we will prepare Experiment 2.1 Part A together at a lake. If you don't come, prepare Experiment 2.1 Part A on your own.

Week of September 17th

Read pages 53-58

Read pages 58-62

Begin Module 2 Study Guide

Complete Study Guide for Module 2

Please read over Experiments 2.2 and 3.1

Friday, September 21

Co-op

Pond Life Experiments 2.2 and 3.1

Week of September 24th

Create LLD for Module 2

Study and take Module 2 Test

Begin Module 3 - Read pages 67-73



Friday, September 28 - Optional Basidiomycota Field Trip 2:00 - 4:00 p.m.

Meet at Forest Park Nature Center for hiking.

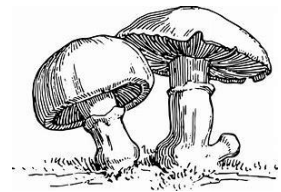
Week of October 1st

Read pages 74 - top of 80

Read pages 80-86

Read pages 87-92

Prepare mold samples for Friday, October 5. See page 97 "NOTE" on how to prepare.



Friday, October 5

Co-op

Experiment 3.2 and 3.3

Week of October 8th

Complete lab report from Experiment 3.2 and 3.3.

Make 3"x5" card drawings/comics of Protists.

Begin Module 3 Study Guide

Complete Study Guide for Module 3

Study and take Module 3 Test

Begin Module 4 - Read pages 97-101

Please read over Experiments 4.2 and 4.3

Friday, October 12

5-12 Co-op

Experiment 4.2 and 4.3

**Bring your moldy bread!*



Week of October 15th

Complete lab report from 4.2 and 4.3

Read pages 101-108

Read pages 109-114

Read pages 115-120

Complete Study Guide for Module 4

Study and take Module 4 Test

Friday, October 19

Co-op

The Chemistry in Biology Experiments with Acids and Bases



Week of October 22nd

Begin Module 5 - read pages 125-131

Read pages 132-140 - Watch videos on diffusion and osmosis

http://highered.mheducation.com/sites/0072495855/student_view0/chapter2/animation_how_diffusion_works.html

http://highered.mheducation.com/sites/0072495855/student_view0/chapter2/animation_how_osmosis_works.html

Do Experiments 5.1 and 5.2 on your own. (Experiment 5.3 is optional!)

Read pages 140-149

Week of October 29th

Read pages 149-156

Complete Study Guide for Module 5

Study and take Module 5 Test

Work on plant and animal cell sheets

Please read over experiments 6.1 and 6.2



Friday, November 2

Co-op

The Cell- Part 1

Experiment 6.1 and 6.2

Week of November 5th

Complete lab report on 6.1 and 6.2

Read pages 161-167

Read pages 168-175

Read pages 176-181

Read pages 182-186

Friday, November 9

5-12 Co-op

The Cell- Part 2

Cellular Respiration Experience

DNA Exploration

Week of November 12th

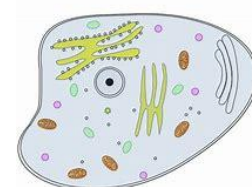
Read pages 186-189

Work on vocabulary page 193

Complete Study Guide for Module 6

Study and take Module 6 Test

Work on Incredible Edible Cell Project



Friday, November 16

Co-op

The Cell- Part 3

The Incredible Edible Cell Project Due - Presentations in Class

Week of November 19th

Begin Module 7 - Read pages 195-204

Read pages 205-211

Happy Thanksgiving!

Use a day this week as a catch up day or a break from Module 6! You made it!



Week of November 26th

Read pages 211-218

Read pages 218-222

Work on Vocabulary page 225

Complete Study Guide for Module 7

Study and take Module 7 Test

Monday, December 3

Co-op

Experiment 7.1 and 7.2

Before Christmas Break Complete Module 8. Here's a way to break it down.

Week of December 3rd

Begin Module 8 - Read pages 227-233

Read pages 233-241

Read pages 242-249

Week of December 10th

Read pages 250-256

Complete Study Guide for Module 8

Study and take Module 8 Test

Friday, December 14, 2016 Optional Mendelian Genetics Study Group Details TBA

