

Welcome to Exploring Creation with Biology!

Biology Detailed Syllabus and Calendar Fall 2019

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 26th

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

Week of September 2nd

Read pages 27-32 and begin Module 1 Study Guide

Complete Study Guide for Module 1

Study and take Module 1 test

Friday, September 6, 2019 Co-op

Classification Project

Do experiment 1.1 in class

Quiz on Roots



Week of September 9th

Happy Labor Day! Enjoy!

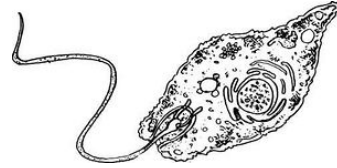
Finish Experiment 1.1 if needed

Begin Module 2 - Read pages 37-41

Read pages 41-47

Read pages 47-53

Prepare mold samples for Friday, October 11th. See page 97 "NOTE" on how to prepare.



Friday, September 13, 2019 Co-op

Introduction to Microscopes

Do experiment 1.2 in class

Week of September 16th

Read pages 53-58

Read pages 58-62

Begin Module 2 Study Guide

Complete Study Guide for Module 2



Friday, September 20, 2019 Co-op

Pond Life Experiments 2.2 and 3.1

Week of September 23rd

Create LLD For Module 2

Study and Take Module 2 Test

Begin Module 3 - Read pages 67-73

Read pages 74- top of 80

Friday, September 27, 2019 - Optional Pond Life Experience 1:30-3:00 p.m. Location: TBD
If you come, we will prepare Experiment 2.1 Part A together with a hike to the lake.
If you don't come, prepare Experiment 2.1 Part A on your own.

Week of September 30

Read pages 80-86

Read pages 87-92

Begin Module 3 Study Guide

Complete Study Guide for Module 3

Take a Basidiomycota Nature Hike!



Friday, October 4th, 2019 Co-op
Experiments 3.2 and 3.3

Week of October 7th

Complete lab report from Experiment 3.2 and 3.3
Make 3" x 5" card drawings/comics of Protists

Study and Take Module 3 Test

Begin Module 4 - Read pages 97-101

Read Experiments 4.2 & 4.3 to prepare for class



Friday, October 11, 2019 Co-op
Experiments 4.2 and 4.3
***Bring your moldy bread!**

Week of October 14th

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 18, 2019 Co-op
The Chemistry in Biology

Week of October 21st

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 28th

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 1, 2019

Co-op

The Cell - Part 1

Experiments 6.1 and 6.2



Week of November 4th

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 8, 2019

Co-op

The Cell - Part 2

Cellular Respiration Experiment

Week of November 11th

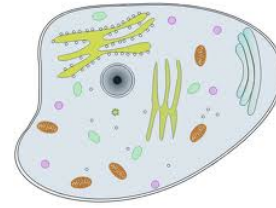
Read pages 186-189

Work on vocabulary page 193

Complete Study Guide for Module 6

Study and Take Module 6 Test

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



Friday, November 15, 2019 Co-op

The Cell - Part 3

Incredible Edible Cell Projects are Due

Week of November 18th

Begin Module 7 - Read pages 195-204

Read pages 205-211

Work on Incredible Edible Cell Project



Week of November 25th

Read pages 211- 218

Read pages 218-222

Work on Vocabulary page 225

Happy Thanksgiving!

Week of December 2nd

Complete Study Guide for Module 7

Study and Take Module 7 Test

Monday, December 9, 2019 Co-op

Experiments 7.1 and 7.2

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

Week of December 9th

Begin Module 8 - Read pages 227-233

Read pages 233-241

Read pages 242-249

Week of December 16th

Read pages 250-256

Complete Study Guide for Module 8

Study and Take Module 8 Test

