

# Welcome to Exploring Creation with Biology!

## Biology Detailed Syllabus and Calendar Fall 2017

Class supplies include:

Text: Exploring Creation with Biology by Jay Wile

Three-ring binder for class notes and other handouts

Notebook paper

Writing utensil

2-pocket folder with your name on the outside

Microscopes and related supplies are provided by Tri-County

### Week of August 28th

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, September 1, 2017 5-12 Co-op

Classification Project

Do experiment 1.1 in class

Quiz on Roots

### Week of September 4th

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 8, 2017 Co-op

Introduction to Microscopes

Do experiment 1.2 in class

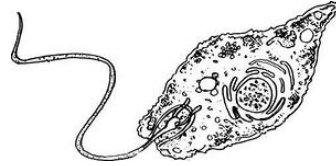


Week of September 11th

Begin Module 2 - Read pages 37-41

Read pages 41-47

Read pages 47-53



Prepare Experiment 2.1 Part A on your own \*\*\*This needs to be done between 9/15-9/19 for optimum culture growth\*\*

Week of September 18th

Read pages 53-58

Read pages 58-62

Begin Module 2 Study Guide

Complete Study Guide for Module 2

Friday, September 22, 2017 Co-op  
Pond Life Experiments 2.2 and 3.1

Week of September 25th

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 29, 2017 5-12 Co-op  
Experiments 3.2 and 3.3



Week of October 2nd

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

Read pages 80-86

Read pages 87-92

Prepare mold samples for Friday, October 13. See page 97 "NOTE" on how to prepare.

Friday, October 6, 2017 - Optional Basidiomycota Field Trip 10:00 a.m.-12:00 p.m.  
Meet at Forest Park Nature Center for hiking or Bennett's for a ride to FPNC



Week of October 9th

Begin Module 3 Study Guide

Complete Study Guide for Module 3

Study and Take Module 3 Test

Begin Module 4 - Read pages 97-101

Friday, October 13, 2017 Co-op  
Experiments 4.2 and 4.3  
\*Bring your moldy bread!



Week of October 16th

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 20, 2017 5-12 Co-op  
The Chemistry in Biology



Week of October 23rd

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_diffusion_works.html)

[http://highered.mheducation.com/sites/0072495855/student\\_view0/chapter2/animation\\_how\\_osmosis\\_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

\*Please read over experiments 6.1 and 6.2

Friday, October 27, 2017 Co-op

The Cell - Part 1

Experiments 6.1 and 6.2



Week of October 30th

Read pages 149-156

Complete Study Guide for Module 5

Study and Take Module 5 Test

Work on plant and animal cell sheets

Friday, November 3, 2017 Co-op

The Cell - Part 2

Cellular Respiration Experiment

Week of November 6th

Complete lab report on 6.1 and 6.2  
Read pages 161-167

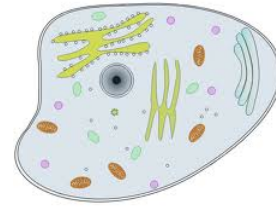
Read pages 168-175

Read pages 176-181

Read pages 182-186

Read pages 186-189

Work on vocabulary page 193



Week of November 13th

Complete Study Guide for Module 6

Study and Take Module 6 Test

Work on Incredible Edible Cell Project

Friday, November 17, 2017 Co-op  
The Cell - Part 3  
Incredible Edible Cell Projects are Due



Week of November 20th

Begin Module 7 - Read pages 195-204

Read pages 205-211

Happy Thanksgiving!

Week of November 27th

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

Week of November 27th

Complete Study Guide for Module 7

Study and Take Module 7 Test

Monday, December 4, 2017 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 4th

Begin Module 8 - Read pages 227-233

Read pages 233-241

Read pages 242-249

Week of December 11th

Read pages 250-256

Complete Study Guide for Module 8

Study and Take Module 8 Test

Friday, December 15, 2017 Optional Mendelian Genetics Study Group Details TBA



