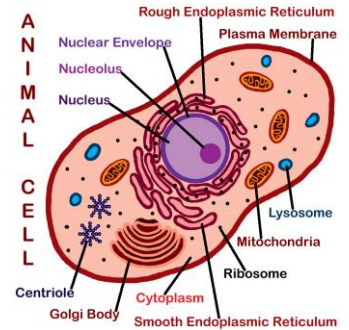


Syllabus:

SLS21 Living Environment 1 - Fall 2018

Welcome to Living Environment 1! Living Environment is a two-semester long course that cumulates in the New York State Regents Examination. My goal is to provide you with the tools, resources, and skills needed to succeed in this course and to prepare you to pass the Regents examination at the end of the year.



Materials:

1. A marble composition notebook where you will take your daily notes, keep your lab reports. (Notebook for Living Environment ONLY!)
2. A 1" three ring binder for handouts, packets, and your scientific glossary. It needs to be hardcover, not softcover. (Binder for Living Environment ONLY!)
3. Always bring a pen or pencil to class with you!

Classroom Evaluation:

- Grades will be calculated based on the following criteria: A grade of 65 is the minimum required to pass the course.
- Grades will be available for students and parents to check on pupilpath.com

Marking Periods Fall 2018-19

- First Marking Period: September 5, 2018 – October 17, 2018
- Second Marking Period: October 18, 2018 – November 30, 2018
- Third Marking Period: December 3, 2018 - January 18, 2019
- Fall Final Exams- January 14-18

School-wide Grading Policy:

Assessments	40%
Quizzes.....	30%
Participation, Classwork, & Homework	<u>30 %</u>
Total	100 %

Science Department Grading Policy:

Exams (total of 4).....	40%
Quizzes.....	30%
Labs & Projects.....	10 %
Classwork & Homework.....	10%
Class Participation.....	<u>10%</u>
Total	100 %

Course Outline (May be subject to changes)

<p>Unit 1</p>	<p>Scientific Inquiry -The scientific method & experimental design -State Lab: Making Connections -What is pH?</p>	
<p>Unit 2</p>	<p>Characteristics Of Living Things -Biotic Vs. abiotic -Levels of biological organization -7 characteristics of living things -Classification of living things -Are viruses alive?</p>	
<p>Unit 3</p>	<p>Organic Compounds -Organic vs. inorganic compounds -Carbohydrates, Lipids, Proteins, Nucleic Acids (DNA & RNA)</p>	
<p>Exam #1</p>		
<p>Unit 4</p>	<p>The Cell -Different type of cells (prokaryote vs. eukaryote) -Organelles of the cell -Cell membranes -Diffusion, Osmosis, and Active Transport -State Lab: Diffusion Through a Membrane -Cell communication</p>	
<p>Exam #2</p>		
<p>Unit 5</p>	<p>Homeostasis -Dynamic equilibrium -Positive & negative feedback systems -Blood glucose regulation -The immune system, HIV & AIDS</p>	
<p>Unit 6</p>	<p>Nutrients, Energy, & Metabolism -Enzymes -Photosynthesis & Cellular Respiration</p>	
<p>Exam #3</p>		
<p>Unit 7</p>	<p>Reproduction & Development -Sexual vs. asexual reproduction -The cell cycle & Cancer -Mitosis & Meiosis -Human reproduction -The menstrual cycle -Fertilization & Embryonic development -Cellular differentiation</p>	
<p>Unit 8</p>	<p>Genetics & Biotechnology -The Central Dogma of Molecular Biology -DNA Replication (DNA → DNA) -Transcription (DNA → RNA) -Translation (RNA → Protein) -Embryonic stem cells & cloning</p>	
<p>Final Exam</p>		

What is expected of me as a student of Living Environment?

I expect each student to:

- Arrive on time and immediately start working on the Do Now
- Turn in all homework assignments.
- Create a positive environment by showing respect for the teacher and all your classmates.
- Be responsible for making up any missed work.
- Appropriate and safe behavior during labs.

Class Web Site

- Students can find the class web site at tinyurl.com/LE1Fall18
- Lecture slides (PowerPoints) and videos from the class will be available for review on the website.
- Students will be responsible for using the materials on the website to study at home.
- Some class assignments may require use of the website on the student's own time.

Cell Phone Policy

- Cell phones should be checked into the students' locker.

Use of Bathroom Passes:

- Passes will be issued for no more than 3 minutes at any time, except in the case of emergencies.
- Passes will be given to each only once per week.
- In the case of an emergency, the student will be issued a pass to the school nurse.
- Students will sign in and out when being issued a bathroom pass.
- Passes will not be given in the first or last 10 minutes of class.
- Passes will only be issued according to the school-wide bathroom schedule.

After School Support:

- Regular after school hours will be available for students seeking extra help
 - Every Wednesday 2:25-3:40pm with Ms. Lei
 - Every Thursday 2:25-3:40pm with Mr. Russell
- After school hours will occasionally be announced for extra help.
- Students may request after school hours (subject to availability)
- Extra credit will be awarded to students who attend after school sessions. This extra credit will be added to the student's quiz grade.

Student / Parent Acknowledgement:

It is a required that each student acknowledge that he/she/they have read the course syllabus and have agreed to abide by the policies outlined for this class. It is also required that each student have his/her/their parent or guardian read and sign the syllabus as well.

Student Information:

Student Name: _____

Student signature: _____ Date: _____

Student email address: _____ @ _____

Parent / Guardian Information:

Parent/Guardian Name: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____

Parent/Guardian email address: _____ @ _____

Parent Phone #: (____) _____ - _____

***The syllabus must be signed and returned by the end of the second full week of school (9/21/2018)! The signed copy will be kept on file with me for my own records. The signing and handing in of this document gives the student their 1st homework credit.**

Thank you very much!

Sincerely,

Mr. Russell