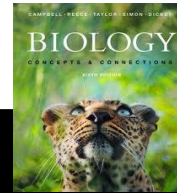


**Advanced Biology**  
**Raymore Peculiar North High School**



**Mike Roberts**

Telephone No. 816-892-3999 EXT 2262

Email: [mike.roberts@raypec.org](mailto:mike.roberts@raypec.org)

**Office Hours/Tutoring**

*Most afternoons 2:42-? By RSVP*

**Textbooks**  
**Classrooms**

*Biology: Concepts and Connections. Campbell (2009)*  
 NHS 703

*\*\* Course handouts, projects, and resources can be located at the following WEEBLY web page:*

***[preapbioraypec.weebly.com](http://preapbioraypec.weebly.com)***

<b>Course Description</b>	<i>Biology is the study of all forms of life and their surrounding environment.</i>
<b>Course Goal</b>	<i>The study of biology should allow students to be better able to think for themselves, become problem solvers, analyze proposed solutions and claims for others, and to become a better citizen in a world where issues involving science and technology are becoming more complex.</i>
<b>Essential Understandings:</b>	<p><i>Students will be asked to demonstrate the following skills and/or knowledge:</i></p> <ol style="list-style-type: none"> <li><i>1. Analyze how organisms live and grow and maintain homeostasis</i></li> <li><i>2. Predict how different characteristics are passed through generations</i></li> <li><i>3. Understand how all life is interdependent with one another and with the environment.</i></li> <li><i>4. Movement of matter and energy throughout living/nonliving systems follows laws, principles and patterns.</i></li> <li><i>5. Evaluate theories regarding how species are related</i></li> <li><i>6. Identify how advances in technology and innovations impact our world.</i></li> </ol>

**Grading Policy** *The grading scale used in Pre AP Biology is the same used by all courses at Ray-Pec.*

A	93-100	Term grades	<b>Common Assessments</b> (10% Final Exam) <b>Quizzes / Projects</b> <b>Supporting Practice:</b> Bell work Assignments Class Practice & Review (CPR) EOR assignments Online Formative Assessments (ASL & ACL)
A-	90-92		
B+	88-89		
B	83-87		
B-	80-82		
C+	78-79	Semester grades	Term Grade Final Exam
C	73-77		
C-	70-72		
D+	68-69		
D	63-67		
D-	60-62	✓	<b>Grades can be accessed using the SIS Grading System online</b>
F	0-59		

**Pre AP Biology**  
**Raymore Peculiar High School**

- Expectations:**
1. Students will be challenged to learn not only through participation in classroom activities, but also through various OUTSIDE OF CLASS activities /projects.
  2. Be considerate and courteous to fellow learners.
    - a. This includes NOT speaking when the teacher or others are addressing the class.
  3. Pick up after yourself and leave the class in the orderly fashion in which you found it.
  4. Participate enthusiastically in learning and always try to do your best.
    - a. No sleeping in class will be permitted.
  5. The **teacher** closes class each day. Remain engaged until you are dismissed, please.
  6. Non-travelling students should remain seated until the 2<sup>nd</sup> bell.

- Consequences for Violations of Expectations**
1. Students will be asked to change their behavior.
  2. Students will be sent to a BUDDY ROOM and must process with the teacher prior to being readmitted to class.
    - Processing can only be done before or after school, not during passing period and not during class time.
  3. Student will receive an office referral.

**Course Outline** We will cover the following units this year:

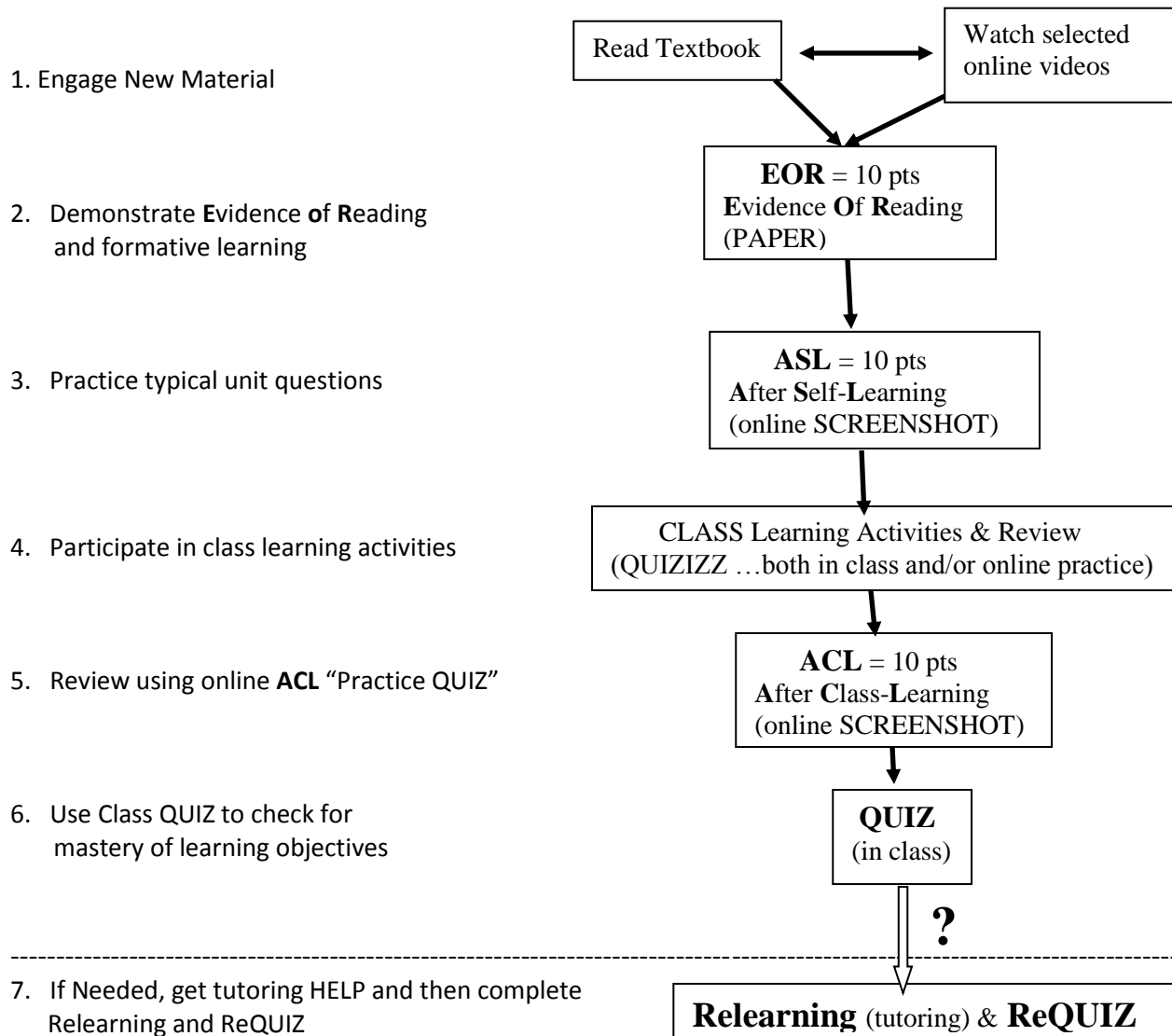
Unit 1: Science Methods & Biochemistry	Unit 5: Cell Division and Cell Research
Unit 2: Enzymes & Energy	Unit 6: Genetics
Unit 3: Cells and Membranes	Unit 7: Evolution
Unit 4: DNA	Unit 8: Classification/Anatomy (Pig Dissection)

**Classroom Activities** Students can expect lessons to be conducted primarily through lecture, reading the text, class discussion, videos and laboratories. Students begin each day by completing a brief **Bell Work** activity (**BW**). These should be numbered in sequence and will be submitted periodically using Google classroom (classroom.google.com). Students will also complete and periodically submit **Class Practice & Review** papers (**CPR**) which should be numbered and organized in their course binder.

**Supporting Practice** As an AP preparatory class; students are also expected to participate in various OUTSIDE OF CLASS homework activities which include:

- **Projects** (1-2 per semester)
- **EOR** assignments: At the beginning of each new section of course material, students are given an EOR textbook reading assignment. After completing the assigned reading and watching select videos posted on our class weebly webpage, (Mr. Strang's biology videos can be found at **Strang Theory** on YouTube) students demonstrate "**Evidence Of Reading**" and formative learning in two ways:
  - 1) Turn in **EOR** paper assignment in class (10 pts)
  - 2) Upload using Weebly course website the **SCREENSHOT** results from the **EOR:ASL "After Self Learning"** = Online Quiz (10 pts)
- **ACL** = "**After Class Learning**" = Online Practice Quiz (10 pts)  
 Upload using Weebly course website the **SCREENSHOT** results

## Typical Advanced Biology Learning Sequence



### Academic Issues

#### Class Materials

Students should always have a **writing utensil** for class. It is also critical that students keep a notebook (ONLY for advanced biology) consisting of a **3-ring binder with 3 dividers** organized with the following 3 labeled tabs: **CPRs, Notes, SP (Supporting Practice like EORs & projects)**. **Bring your notebook each day to class.**

#### Absent Work

After an absence, it is the responsibility of the student to collect any missing assignments or handouts and to make arrangements to make up a missed quiz/lab/exam. A course calendar of weekly activities and course handouts is available for students on the front bulletin board (near the “noisy” file cabinet at the front). Copies of all course handouts are organized into labeled folders located on or in the “NOISY” file cabinet as well as on the WEEBLY class webpage (***preapbioraypec.weebly.com***)

Excused makeup work may be turned in at the late / makeup work tray located on top of the bookshelf next to Mr. Roberts’ desk. Please print the word **EXCUSED** across the top front of your work before turning it in.

### Academic Issues

<b>Late Work</b>	LATE <b>EORs, ASLs, ACLs</b> will receive <b>80% credit</b> . LATE PROJECTS will also receive <b>80% credit</b> and will be accepted up to the end of the unit of study. Please print the word <b>LATE</b> across the top front of your work (using the “ <b>RED PEN OF SHAME</b> ”) before placing it in the <u>late work tray</u> located on the book shelf by Mr. Roberts’ desk
<b>ReQUIZ Policy</b>	Any student wishing to redo a QUIZ must make arrangements with Mr. Roberts for a requiz time and discuss any needs for tutoring assistance. All students must demonstrate (e.g., Show Mr. Roberts your results Screenshot) that they have scored <b>90%</b> or above (= Requiz “Ticket”) on the <b>ACL</b> (AKA ... <b>Online Practice Quiz</b> ) before a requiz will be offered. A higher requiz score replaces the original quiz score in the gradebook.
<b>Common Assessments</b>	At the completion of every unit, students will take a common assessment (exam). At the end of each semester, students will take a comprehensive final exam.
<b>ReTest Policy</b>	Any student earning a grade below a <b>70%</b> on a unit common assessment will be eligible for a retake. First schedule and attend a <u>tutoring session</u> with the teacher to focus on relearning select material. All students must demonstrate that they have scored <b>90%</b> or above (= ReTest “Ticket”) on the <b>ACLs</b> (AKA ... <b>Online Practice Quizzes</b> ) before a retest will be offered. The <b>maximum</b> score that the student can earn for the retest will be a <b>70%</b> .
<b>Tutoring</b>	Tutoring is available most days with a science teacher after school in both buildings. For example, Mr. Roberts will be available for tutoring most Thursdays after school in NHS room 703 as well as most days after school with advance notice. Tutoring time will be used to remediate any student needing further explanation of presented material.
<b>Hall Passes</b>	No passes will be written for students beyond critical restroom breaks or nurse passes. There will be no passes written for students without an ID badge AND their agenda.

I look forward to learning with you this year. Let’s have a GREAT year together!

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# Dear Parent:

Thank you for taking the time to review this Advanced Biology Syllabus with your student. Please indicate that you have discussed these items with your child by signing your name in the space provided on the back of the safety contract (purple paper).

**Syllabus Parent-Student Review  
Signature Sheet**

I, \_\_\_\_\_ understand and will meet the expectations put forth by Mr.  
(Printed name of **student**)

Roberts and understand the consequences should these expectations not be met.

\_\_\_\_\_  
(**Student** Signature)

I, \_\_\_\_\_ understand and will support my child in meeting the expectations  
(Printed name of **parent**)

put forth by Mr. Roberts and understand the consequences should my student not meet these expectations.

\_\_\_\_\_  
(**Parent** Signature)