

Biology



Mr. Haring
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 Room 302
 Tutorial Period: 8:00 – 8:30 am
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West Ranch High School instills students with a **VISION** and expects its graduates to...
 ...take initiative in pursuing noble post-secondary goals
 ...find ways to make their high school experience meaningful
 ...apply the connections between different academic disciplines

Welcome to Biology at West Ranch High School. This semester we will be studying Cells, organelles, genetics and DNA. To understand biology completely students will need to put in a great deal of time and energy into the course. This **rigorous** course meets the requirements for graduation as well as being University of California and California State College approved. I intend to make biology **relevant** to the student's lives through labs and discussions of current topics in science.

There will be homework each class as well as lecture notes which are mandatory for the course. I look forward to meeting all of you and helping you understand how biology relates to you and your future.

Course Outline

Unit 1	Nature of Life and Lab safety	Chapters 1 and 2
Unit 2	Cell Biology	Chapters 7,8,9
Unit 3	Genetics	Chapters 11 and 12

Class Materials

West Ranch High School promotes **RESPONSIBILITY** and expects its graduates to...
 ...take ownership of their own learning and advancement
 ...demonstrate a commitment to civic and community involvement
 ...honor and take pride in themselves, their campus, their community, their nation

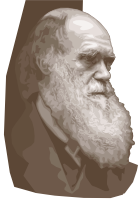
Supplies: Materials to be brought to every class.

- Pen
- Pencil
- Notebook (Composition style – lined @ least 100 pages)
- Colored pencils

Textbook: Students are responsible for caring for their books. Lost or damaged book must be replaced and paid for by the student to whom the book was issued.

Biology by Prentice Hall, Kenneth Miller and Joseph Levine
 2007 \$84.00

Recommended Notebook: **Composition notebook** (lined) brought to class everyday for class notes and class activities.



Grading

West Ranch High School inspires its students to **EXCEL** in all areas of development and expects its graduates to...
 ...pursue worthy academic goals
 ...strive for improvement intellectually, physically and creatively regardless of current achievement
 ...commit to intellectual curiosity and increased knowledge

Grades will be computed on a weighted basis and each assignment will be given point values. A variety of assignments and assessments are listed, but not limited to the following: lecture, homework, projects, in class activities, labs, research papers, power point presentations, quizzes, and tests. Grades will be calculated every 5 weeks where a progress report or report card will be issued by the school. Appropriate interventions will be provided for any student still working toward mastery of the state standards.

Grading Scale

A = 90 – 100%
 B = 80 – 89%
 C = 70 – 79%
 D = 60 – 69%
 F = 59%

Grade Breakdown

Assignments (HW, Notebook, class work)	15%
Test and Quizzes	40%
Labs	25%
Lab Practical Exam	5%
Final Exam (1,2,7,8,9,11 and 12)	15%

Homework: given every day due in the front basket before the bell rings. Homework is to give the student practice and aid in studying for the upcoming tests

Tests: given ever 4th or 5th class meeting

Labs: 8 labs are completed during this semester and each are worth 100 points. Graded as follows

- D = incomplete lab
- C = doing the minimum of the lab and answer all questions correctly.
- B- = complete the laboratory in class answering all questions correctly, neatly drawing and labeling all graphs and images.
- A = doing the above + typing a hypothesis, purpose, materials, Analysis or Error and conclusion

Expectations

West Ranch High School honors the **DISTINCTIONS** that make each person unique and expects its graduates to...
 ...value diversity of all types
 ...strive to make themselves stand out positively in academic, personal and professional endeavors
 ...apply their unique strengths to problems to reach solutions

West Ranch High School encourages students to find **VALUE** in themselves and in others and expects its graduates to...
 ...go beyond the classroom and apply their education and skills to their careers and lives
 ...make important contributions to their community
 ...realize that new experiences and relationships can enrich their lives

Rules

1. Treat classmates and all school personnel with **respect**
2. Be prepared and **on time**.
3. Do not chew gum, eat, or drink in class. (water bottles are OK)
4. Do not distract others from learning.
5. MP3 players, IPODS, or cell phones are to be **off** and if your backpack

Consequences

1. Detention
2. One-day suspension from class. (Student lose the opportunity to complete the work and/or test on the day of suspension)
3. Two-day suspension from class
4. Parent/teacher/Assistant Principal/counselor conference.
5. Loss of lab privileges due to unsafe behavior in class.

Detentions assigned will be served immediately after class.

Keep in mind that these are school and district guidelines and are in place to foster a healthy and positive learning environment.

Tardies- Students are to be in their seats, HW turned into the basket and ready to learn when the bell rings.

1st and 2nd Tardy	-	Warning
3rd, 6th, and 9th Tardy	-	Student Conference
4th, 7th, and 10th Tardy	-	Parent Contact
5th, 8th, and 11th Tardy	-	Saturday Opportunity Class (SOC)

Absences – If you know you will be absence- get the work ahead of time; email me for the work the day of or from a friend the night of the absence. Staying up to date and on track is vital to success in the class.

Make up work –

- It is the student’s responsibility to get the make up work the day he or she returns to school.
 - Students should get the make up work during tutorial or brunch (**not during class**)
- They will have one day per every class they where absent to make up the work
- Write the date and the word absent large on the top of the page.
- 4 free late work passes can be used through out the semester

Make up tests and labs

- To be done before school (or by appointment) within two days upon returning to school
- The make up test will be a different version of the original class test.

Extra help

I am available for extra help every morning from 8:00 – 8:30 and at lunch by appointment.

Lab Donations

Students enrolled in a science course will be given numerous opportunities to advance their understanding of fundamental scientific concepts by participating in a variety of laboratory activities. In order for the science department to provide these experiences, voluntary donations are welcome. Our class is currently trying to raise a total of \$1000 for laboratory materials to help support our department. No student will be precluded from participating in any activity based on whether or not he/she contributes. Below is a list of Laboratory experiences that we will conduct this school year.

Semester 1	Semester 2
1. Microscopes	1. Tissue samples
2. Organic Compounds	2. Nervous systems
3. Enzymes	3. Lung modeling
4. Cells	4. Cardiovascular
5. Osmosis	5. Disease Transmission
6. photosynthesis	6. Blood type
7. Human cellular respiration	7. Natural Selection of Bird Beaks
8. Cell respiration (peas)	8. Hardy Weinberg
9. Mitosis/ Meiosis	9. Biodiversity of Birds
10. DNA model	10. Fetal Pig dissection
11. DNA extraction	
12. DNA electrophoresis	

Contributions can be made by check made payable to West Ranch High School Science department, by credit card or Paypal account through the ASB Web page. <http://www.westranhighschool.com/asb/>

Plagiarism/Academic Dishonesty

West Ranch High School emphasizes **INTEGRITY** and expects its graduates to...
...conduct themselves with honor and civility in the classroom and in the community
...lead others through ethical example
...examine their choices and thereby improve their own character

West Ranch High School will consistently enforce the William S. Hart Union High School District Board Policy on Academic Integrity which is based on Educational Code 44806.

The following actions will be deemed violations of Academic Integrity and/or Board Policy:

When a student **takes credit for work that is not their own** or allows someone else to copy their work, this will be deemed a violation of our Academic Integrity Standards.

If a student looks at another student's paper or sends or receives test data during or before a quiz or test or uses materials on a test or quiz that has not been approved, this is a breach of Board Policy.

If a student plagiarizes someone's work, whether it is another student's or reference material, this will be a violation of Board Policy.

The following consequences will be enacted if a violation occurs:

The parents of the student who has been academically dishonest will be notified of the event and a report will be filed in the student's permanent record

The student will receive an **automatic zero (failing grade) on the assignment or test**; no make-up work will be offered to compensate for the zero.

The student will be **dropped from the National Honors Society** (NHS) and **California Scholarship Federation** (CSF) if the student is a member of that organization.

The following consequences may be enacted if a violation occurs:

The student may be **removed from the class for one day**, serve a four hour **Saturday School** and the student may face **suspension from extra-curricular activities, including sports**

West Ranch High School Mission Statement

West Ranch High School is committed to challenging and motivating each student to achieve *excellence* and become a *responsible* and *valuable* member of society. Through **relationships, rigor, and relevance**, West Ranch High School Promotes *integrity, distinction, and vision*

I look forward to meeting and working with you this year.

Mr. Haring
West Ranch Biology

Student Signature (to be kept in student NB)