NNHS Principles of Biology and Chemistry Syllabus

Instructional Coordinator: Andy McWhirter amcwhirter@naperville203.org 630.420.6513

Teacher Information
Karl Bratland – kbratland@naperville203.org
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Mission
To educate students to be self-directed learners, collaborative workers, complex thinkers, quality producers, and community contributors

Course Description
Principles of Biology and Chemistry is an inquiry based course that demonstrates the interconnections of Biology and Chemistry. Major focuses will center on interactive laboratory experiences with an emphasis on proper laboratory techniques, science process skills, and problem solving. Principles of Biology and Chemistry will prepare students for further coursework in biology, chemistry, physics, and earth science.

-Department placement is required for this course.

Possible digital enrichment: Life/Planet Earth Series, The Lorax, Lorenzo’s Oil, The Croods, Ice Age, Earth, Frozen Planet, and Life After People.

Course Learning Standards

1st semester
Scientific Process & Measurement
Properties & States of Matter
Atomic Theory
Periodic Trends

2nd semester
Water Molecules
Chemical Reactions
Cells & Genetics
DNA & Heredity

Grading:
Your course grade will reflect what you have learned, not what you have completed!

Overall Semester grade:
85% Course grade
15% Final Exam

The final semester grade will be rounded to the nearest percentage point.

Course Grade
*Within each unit, summative and formative sections are weighted as follows:*

80% Summative (tests, quizzes, projects)
20% Formative (Daily Work, Labs and Homework Quizzes)

Grading Disbursement:
A= 90-100  B= 80-89  C= 70-79  D=60-69  F= <59

Reassessment Policy

Summative Assignments (tests, projects): These assignments must be completed before the end of the following unit.
Formative Assignments (labs, class work, quizzes, activities, homework): The late work policy turned in until answers have been shared in class or the test/quiz has been administered. All late work you lose a letter grade per day.

Retake Policy (retakes are only on summative tests):

1. In order to retake you must have completed the original study guide for the summative assessment on due date.
2. Students are only allowed retakes on unit tests on which they receive 79% or below.
3. The maximum grade the student can get on the retake is 80%.
4. The higher of the two scores will be entered in Infinite Campus.
5. The retake times and locations are left up to the individual teacher.
6. Students opting for a retake must complete an alternative assignment, assigned by the teacher.
7. There will only be 1 retake attempt per summative assessment per student.

Link for further information http://schools.naperville203.org/north/academicdepartments/StandardsBasedAssessment.asp

Communication

● Teachers make every effort to respond to emails and phone calls within 48 hours during the workweek.
● The best way to communicate with teachers is through email; however, if you haven’t received a response in 48 hours, please resend the email or call their voicemail. Your email may have gone into the spam folder.

Help

● Make an appointment with your teacher.
● Attend After School Tutoring in the Literacy Center
● Drop in for peer tutor during lunch periods or before school through the Literacy Center.

Parents or Guardians

We need your help!

● Parents should actively check Infinite Campus for their student’s grade.
  o The grades on Infinite Campus will be accurate only at monthly progress reports. Prior to those dates, the grade reflected is fluid.
  o Infinite Campus is a communication tool until final grade is posted.
● Please ask your student about their school work and check Canvas for daily agendas/work.
● Check with your individual teacher for classroom procedures, schedules, and daily class news.