

Name of School:

Name of Course: Advanced Placement Biology

### Instructor Information

**Name:**

**E-mail address:**

**School phone number:**

**Web page address:**

**Best times to be reached:**

### Course Description

This three-term course emphasizes in-depth studies and laboratory experiences. Current biological science research and literature about topics such as biotechnology and molecular genetics are studied. Students are provided an opportunity to conduct labs on a regular basis. Students are strongly encouraged to take the National CEEB Advanced Placement Exam. Advanced Placement Biology instructors recommend students take Genetics sometime in their high school career.

### District Standards and Power Benchmarks

#### **Standard 1: Understands and applies the principles of scientific inquiry**

Benchmark A: Formulates and revises scientific explanations and models

Benchmark B: Understands how scientific knowledge changes with new evidence

Benchmark C: Uses technology and mathematics to perform accurate scientific investigations and communications

Benchmark D: Demonstrates safe handling procedures

#### **Standard 2: Understands and applies the principles of life science**

### Course Information

Advanced Placement Biology is a three-term course with the pre-requisite of Molecular or Investigative Biology and General Chemistry. One and one-half unit of credit will be earned for the completion of this course.

### Course Outline/Calendar

Structure and function of living organisms

Homeostasis and cellular systems

Continuity and evolution of life

### Text/Other Required Materials/Resources

Raven & Johnson (1999). *Biology* (5<sup>th</sup> edition). Glencoe/McGraw Hill.

## **Instructional Procedures & Support**

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## **Classroom Management Procedures**

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## **Assessment Plan**

The students are assessed on a point system. In addition to classwork, labs, tests and quizzes, the students are assessed on: district performance-based assessments and a Spreadsheet Integration Project.

## **Grading System**

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F