



COLORADO SPRINGS SCHOOL DISTRICT 11  
**Achievement, Learning & Leadership**

**COURSE CHANGE**

**REQUEST FOR APPROVAL**

**FALL 2019**



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Achievement, Learning & Leadership

***COURSE CHANGE***  
REQUEST FOR APPROVAL  
FALL 2019

**HIGH SCHOOL LEVEL**

Course Name: IBMYP Chemistry 3

**New Course Name: IBMYP Chemistry 1H**

Course Number: SC.IBMCHM3

**New Course Number: SC.IBMCH1H**

Course Length: Two (2) Semesters

**New Course Length: One (1) Semester**

Grade: 10-10

**New Grade: 10-12**

Prerequisite: IB Program

**New Prerequisite: Recommended successful completion of IBMYP Biology 1H, 2H, or teacher recommendation.**

Credits per Semester: One (1) Science or Elective

**Credits per Semester: One (1) Physical Science or Elective**

Course Description: This is a one-semester course that serves as an introduction to chemistry and provides students with a substantial preparation for both subsidiary and higher-level chemistry. Upon completing this course, students will be able to perform complex chemistry calculations, execute sophisticated experiments, keep a lab notebook, and read, effectively, a chemistry text. The chemistry concepts include atomic structure, chemical calculations, periodicity, kinetic theory, and quantum mechanics.

**Reason for Change:** This class has existed for a number of years in the Palmer science curriculum as one semester of IBMYP Honors Chemistry courseware. However, there has never been any indication in the course title that it is taught at the honors level. This creates confusion for students and parents when requesting the course and reviewing their schedules. More importantly, since there is no reflection of honors level on the student's academic transcript, college admissions personnel are given an inaccurate understanding of the level of academic rigor inherent in this course.



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**HIGH SCHOOL LEVEL**

Course Name: IBMYP Chemistry 4

**New Course Name: IBMYP Chemistry 2H**

Course Number: SC.IBMCHM4

**New Course Number: SC.IBMCH2H**

Course Length: Two (2) Semesters

**New Course Length: One (1) Semester**

Grade: 10-10

**New Grade: 10-12**

Prerequisite: IB Program

**New Prerequisite: Recommended successful completion of IBMYP Biology 1H, 2H,  
or teacher recommendation.**

Credits per Semester: One (1) Science or Elective

**Credits per Semester: One (1) Physical Science or Elective**

Course Description: This is a one-semester course that serves as an introduction to chemistry and provides students with a substantial preparation for both subsidiary and higher-level chemistry. Upon completing this course, students will be able to perform complex chemistry calculations, execute sophisticated experiments, keep a lab notebook, and read, effectively, a chemistry text. The chemistry concepts include atomic structure, chemical calculations, periodicity, kinetic theory, and quantum mechanics.

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**HIGH SCHOOL LEVEL**

Course Name: Physics 1 AP

**New Course Name: Physics 1 AP C**

Course Number: SC.PHY1AP

**New Course Number: SC.PHY1APC**

Course Length: Two (2) Semesters

**New Course Length: Two (2) Semesters**

Grade: 9-12

Prerequisite: Chemistry, Physics; concurrent with Calculus recommended

Credits per Semester: One (1) Science or elective

**Course Description:** This course forms the first part of the college sequence that serves as a foundation in physics for students majoring in the physical sciences and engineering. The subject matter of the course is principally mechanics and electricity-magnetism. Strong emphasis is placed on solving physics problems, some of which will require calculus. Additionally, students will be expected to demonstrate, in a variety of ways, a rigorous understanding of the concepts central to the above domains of physics and will perform appropriate experiments through the two semesters. Students will be prepared to take both parts of the AP Physics C exam upon completion of the course of study.

**Reason for Change:** The College Board offers three AP Physics courses. AP Physics 1 and AP Physics 2 are both algebra-based courses. AP Physics C is a calculus-based course. The current course title does not designate that students are enrolled in the higher level, calculus-based AP Physics course. Students applying for colleges and universities, or other postsecondary programs, should have this designation on their transcript, as it would be a benefit when pursuing majors and careers in science, engineering, and other STEM fields.



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**HIGH SCHOOL LEVEL**

Course Name: Physics 2 AP

**New Course Name: Physics 2 AP C**

Course Number: SC.PHY2AP

**New Course Number: SC.PHY2APC**

Course Length: Two (2) Semesters

**New Course Length: Two (2) Semesters**

Grade: 9-12

Prerequisite: Chemistry, Physics; concurrent with Calculus recommended

Credits per Semester: One (1) Science or elective

**Course Description:** This course forms the first part of the college sequence that serves as a foundation in physics for students majoring in the physical sciences and engineering. The subject matter of the course is principally mechanics and electricity-magnetism. Strong emphasis is placed on solving physics problems, some of which will require calculus. Additionally, students will be expected to demonstrate, in a variety of ways, a rigorous understanding of the concepts central to the above domains of physics and will perform appropriate experiments through the two semesters. Students will be prepared to take both parts of the AP Physics C exam upon completion of the course of study.

**Reason for Change:** The College Board offers three AP Physics courses. AP Physics 1 and AP Physics 2 are both algebra-based courses. AP Physics C is a calculus-based course. The current course title does not designate that students are enrolled in the higher level, calculus-based AP Physics course. Students applying for colleges and universities, or other postsecondary programs, should have this designation on their transcript, as it would be a benefit when pursuing majors and careers in science, engineering, and other STEM fields.