Mission and Vision

We relentlessly pursue, with optimism, equitable support for all students to navigate a changing world by providing rigorous and relevant learning experiences that strengthen their capacity as

- Open-minded and invested collaborators;
- Effective and thoughtful communicators;
- Resourceful and creative problem solvers;
- Curious and analytical critical thinkers;
- Informed and compassionate community members.

EUHSD curriculum identifies what students should know and be able to do by grade level in a comprehensive, standards-based course of study. Curriculum may be updated, as needed, based on student academic achievement data, research and best practices, and input from stakeholders. The EUHSD curriculum contains the following information:

- **Course Description** – provides a description of the overarching content and goals of the course and is used in the Course Catalog.
- **Course Information** – provides information specific to length of course, course number, transcript abbreviation, credits earned.
- **Course Requirements** – provides information specific to credits, prerequisites, UC/CSU requirements, and grade level of the course.
- **Course Material (s)** – Instructional materials used in course.
- **Additional Information** – provides links to College Board AP Central for specific Advanced Placement course information.

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Dr. Courtney Goode, Assistant Superintendent of Human Resources, Equity and Title IX Compliance Officer
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### Course Description

*The AP Chemistry* course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

### Course Information

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Number</th>
<th>Transcript Abbreviation</th>
<th>Credits</th>
<th>Weighted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester A</td>
<td>3631</td>
<td>AP CHEM A</td>
<td>5</td>
<td>Yes</td>
</tr>
<tr>
<td>Semester B</td>
<td>3605</td>
<td>AP CHEM B</td>
<td>5</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Course Requirements

<table>
<thead>
<tr>
<th>Length of Course</th>
<th>Course Learning Environment</th>
<th>Classroom Based</th>
<th>Type of Grade</th>
<th>Grade Level</th>
<th>Course Repeatable</th>
<th>Maximum Credits, if Repeatable</th>
<th>Meets EUHSD Graduation Requirement</th>
<th>Meets UC/CSU Requirement</th>
<th>Prerequisite(s)</th>
<th>Laboratory Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yearlong</td>
<td>Classroom Based</td>
<td></td>
<td>Letter grade</td>
<td>10-12</td>
<td>No</td>
<td>N/A</td>
<td>Physical Science</td>
<td>D: Laboratory Science</td>
<td>Chemistry and Completion or Concurrent Enrollment in Math 3</td>
<td>This course requires that 25 percent of instructional time engages students in lab investigations. This includes a minimum of 16 hands-on labs (at least six of which are inquiry-based). It is recommended that students keep a lab notebook throughout.</td>
</tr>
</tbody>
</table>

### Course Material(s)

- Teachers will utilize a variety of instructional resources designed to assist students in meeting the requirements set forth by the College Board in preparation for the Advanced Placement Exam. In addition, Advanced Placement teachers are required to submit their Course Syllabus in accordance with College Board requirements and receive individual teacher approval to utilize a variety of instructional strategies and course materials in order to meet the requirements set forth in the Advanced Placement Course Guides.

### Additional Information

- For most current course curriculum refer to College Board AP Central for *AP Chemistry Course and Exam Description*.
- For additional information for Advanced Placement courses go to *https://apcentral.collegeboard.org/*.