



# Chandler Unified School District

## SCI400 Physics

Semester 2, SY 2022-23

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### Course Overview

#### Course Description

SCI400 Physics (Full Year, 1 Credit): This is a lab-oriented course that studies energy in its many forms. Topics include mechanics, electricity, waves, and light. Strong math skills are highly recommended.

#### Advanced Placement (AP) / International Baccalaureate (IB) / Dual Enrollment

This not an AP, IB, or Dual Enrollment course. An additional syllabus is not required for this course.

### Site

#### School name and address:

Arizona College Prep High School, 4477 S Gilbert Rd, Chandler, AZ 85249

#### Building principal:

Robert Bickes

bickes.robert@cusd80.com

### Faculty Information

#### Teacher:

Ken Spruell BA

spruell.kenneth@cusd80.com

4804248765

Office hours: Tuesday 2:30-3:00

### Course Learning Outcomes

#### After this course, students will be able to:

After this course students will be able to graphically and mathematically explain Physics concepts, including but not limited to Motion, Gravity, Waves, Energy, Electricity, and Light.

### Materials and Fees

#### Course Materials

Graphing Calculator, Whiteboard markers, notebook

#### Course Fees

n/a

### Curriculum and Instructional Resources

#### Adopted Resource(s)

Physics (Walker) -James S Walker (Savvas).

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*\*An asterisk will indicate a resource containing sexually explicit materials per legislative definitions.*

*CUSD has determined that all resources listed above are of exceptional educational value.*

## Course Access

This course is taught in person at Arizona College Prep High School. Students will have access to the curriculum and instruction in the classroom. Google Classroom is the primary location for students to access material when absent from classes taught in person. Buzz is the primary location for COA students to access materials at all times.

- Clever [cusd80.com/Page/45109](https://cusd80.com/Page/45109) (select secondary courses will use clever)

## Computer Requirements

Students can use devices to engage with electronic resources and turn-in select assignments.

## Help

### Academic Support

- Contact the teacher to schedule an appointment during office hours
- [NetTutor](#) offers K-12 CUSD students free live tutoring, question drop-off, and writing feedback ([cusd80.com/NetTutor](https://cusd80.com/NetTutor))
- [Ed Tech](#) support for students, parents/guardians, and community link ([cusd80.com/Page/45109](https://cusd80.com/Page/45109))

### Mental Health Support

- CUSD's Counseling and Social Services Department provides access to mental health support for students and families through their webpage [cusd80.com/Domain/10528](https://cusd80.com/Domain/10528)
- US Department of Health and Human Services 9-8-8 hotline
- 24-hour Crisis Line Talk: 602-222-9444, Text: 741-741

## Student Conduct, Success, and Responsibilities

### Student Handbook

Students must follow the policies and procedures established in the Student Handbook. Copies of the handbook can be found at <https://www.cusd80.com/handbooks>. Printed copies will be provided upon request.

### To be successful

To be successful, students should come to class with required material, a learning mindset, and completed homework.

### Student Responsibilities

1. Arrive to class on time and be in your seat when the bell rings. And your cell phone in the cell phone caddy.
2. Follow directions and safety rules at all times.
3. Be respectful of the teacher, yourself, and your fellow students as well as everyone's property. This includes keeping your hands, feet, books and objects to yourself. Other prohibited activities include using profanity, swearing, using putdowns, teasing, making rude gestures or taking, defacing, or damaging any property that is not your own.
4. Behave in a manner that does not interfere with the learning process or endanger yourself or others.
5. Bottled water is permitted in class, at your desk, but absolutely NO OTHER kind of food

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or drink in the classroom.

6. Wait to be recognized before speaking.

Test and quizzes will be given throughout the year to determine the level of mastery of the material. My guidelines in the matter of cheating: No aid is to be given or is to be received during any examination. This would include any test or quiz. Any student caught cheating, talking, turning around, communicating with other students, copying the portions or questions from the test or otherwise compromising the test security, will have their test taken and they will receive a zero for the assignment. No exceptions. I can only assume that if someone takes out their cell phone while test are still being done, even by someone else, that testing material could be compromised. This action will be counted as cheating.

There are no open note test. There are no group test.

Homework and worksheets will be given as practice or as preparation for the following day. It is important that all homework and pre-labs are attempted. These worksheets are used as study guides for quizzes and test.

### **Late work**

Late work will not be accepted without prior approval from the instructor. If a student misses an assignment or an exam due to an excused absences or school related activity, it is the student's responsibility to arrange for make-up work, these arrangements to be made before or after school, not during class time. Late work will not be accepted after 10 days.

If a student misses a class/test/quiz for any reason, it is the student's responsibility to get any missing work, take the test/quiz. And the only time to make these arrangements is before or after school. Never during class time. And if you were absent yesterday, you still have to take the test/quiz today.

No classwork or assignments will be accepted via e-mail, only hard copies will be accepted.

## **Assessments and Assignments**

Students will complete assessments during each unit of study to assess their understanding. Students will complete the CUSD Common Final at the end of the first and second semesters. The Common Final will count for 20% of the student's final semester grade in grades 9-12 and 10% in grades 7-8 (some exceptions may apply at the Junior High level). Common finals will be in ELA, Math, Science, Social Science, and World Language.

Final exams will be given during the CUSD Jr High/High School Early Dismissal days in December and May, as identified on the [District Calendar](#).

If students are requested to participate in a survey, the survey questions will be provided to parents/guardians seven days before student contact.

## **Grading**

### **Grade Percentage**

A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	<60%

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### Quarter grades

Grades will be weighted based on several categories of work that will be completed in this class as follows:

Test and Quizzes	60%
Labs	20%
Classroom and Activity Participation	05%
Homework	15%
Total	100%

### Semester grades

The following formula is used to calculate semester grades

- 80/20: A combination of the two quarters accounts for 80% of the semester grade and the final exam accounts for remaining 20%.

### Units of study

Parents/Guardians should indicate if they “Agree” or “Disagree” with their student’s participation in each of the following units of study.

Universal Gravity & Kepler's  
Work & Energy  
Impulse and Momentum  
Waves  
Electro-statics  
Circuits

*\*An asterisk will indicate a unit of study containing sexually explicit materials per legislative definitions.*