

CP Earth Science

Ms. Cook

Roseville High School

2017/18

Teacher Contact Information: Teacher Email: jcook@rjuhsd.us

Room Numbers: 902

Room Phone Number: 916-782-3753 ext 3902

(Please only call before or after school hours)

Course Description:

Roseville High School Earth/ Physical Science is a laboratory science class that will cover topics in Astronomy, Geology, Meteorology, Oceanography, and California Resources, as well as an initial review of the Scientific Method and basic scientific concepts. All content presented to the class is in line with California Content Standards for Earth Science. This course qualifies as an academic **elective** (g) in UC/CSU a-g requirements.

Recommended Course Materials(Your Shopping List!)

Students should bring these materials everyday.

1. **Pen/Pencil #2**
2. **Science Notebook:** *One BOUND notebook for note taking purposes.* The CP course training involves an interactive notebook. This will be your graded assignment and main source for information we cover.
3. **Science Folder;** To keep returned assignments, handouts.
4. **Calculator**

Items you may want to have on hand for personal use (limited classroom supplies);

5. **Ruler** 4. **Color pencils** 5. **Highlighters** 6. **Compass**

Grading Policy

1. Students are expected to always turn work of the highest quality, completed, which will always contain name, date, period, and title. Incomplete work may not be graded.
2. Quarterly grades and exams will be graded based upon a standard scale:
A 100%-90% B 89%-80% C 79%-70% D 69%-60% F 59%-0%:
3. Overall grades are calculated as follows: 40% Tests and Quizzes (which you can use your notebook), 40% Classwork/Homework, 20% final exam.
4. Late Classwork. Every assignment should be done to completion in a timely manner or may you not receive credit! .

Class Rules

1. Bathroom passes will only be given during an activity time. Please do not request a pass during a lecture or lesson time. Wait until small group discussion or lab time.
2. Drinks in closable containers are allowed, but please, NO food items in the science lab.

Homelink (student grades): <http://homelink.rjuhsd.us> (username & password from front office)

Extra Help for Students – Students can get help in several ways:

1. Teacher help: Any Priority period or after school (make an appointment)
2. Get the phone number of another student in the class so they can call them and work together.

How Parents can help at home:

1. Monitor your son's/daughter's homework to see that they are showing their work and answering questions that are asked in complete sentences.
2. Periodically check Homelink to see how your student is doing. (Homework is updated no less than once a week)

Large Target topic	Unit	Topics
-Understand Earth systems science and ways scientist study the Earth	Sci Basic	Introduction/ Cornell Notes/ Notebook Construction/ Earths Spheres/ Biogeochemical cycles/ Observation/ Mass/ Volume/ Density/ Pressure/ Gravity/ Unit Exam
-Know what causes the moon phases -Keplers Laws of Motion	Astro nomy	Solar System Survey/ Sun/ Moon/Unit Exam
-Understand the life cycle of stars -Element formation		Sun/Stars/ Galaxies/ Big Bang- Light Spectra Red Shift,
-Identify the planets based on their characteristics -Habitable planets		Solar Nebular Theory/ Planet Formation/Planets
-Density layers -Magnetic field -Seismic waves	Geology	Earth's Interior
-Substances of Earth -Elements Vs Compounds vs mixtures		Crystals/ Minerals/ Rocks/resources
-Continental drift -Seafloor spreading -Convective currents		Theory of Plate Tectonics
-Understand Earth forms on different plate boundaries		Earthquakes/ Volcanoes/ Mountain building
CA water		CA geology and CA water systems
-Know the atmospheric layers are determined by temperature	Atmospheric Science	Atmospheric Composition/Radiant Heat/ Ozone/Greenhouse Effect
-Convective currents -Energy movement -Hadley cells		Seasons /Global Wind Pattern/Unit Exam
-Energy and water		Evaporation/ Condensation/ Humidity/ Dew Point/ Cloud Formation
-Hydro and atmospheric sphere interactions		Air Masses and Fronts/ Severe Weather- Tornadoes/ Hurricanes/ Climate Factors/
-Know the different climate zones		Climate Zones/Unit Exam/ Global Warming/ Natural Resources- Oil/Coal/Natural Gas Formation
-Understand the different layers of the ocean -density currents	Oceanogra phy	Ocean Basin/ Ocean Salinity /Ocean Currents- Surface/ Deep/