

## SC202OR/ Physical Science 1 CR Syllabus

Course Title-----	Physical Science 1 CR
Course Number-----	SC202OR
Grades:-----	09-09
High School Credit Value:-----	0.5
Prerequisites:-----	A transcript or other documentation is required to show the student has previously taken the course and not earned credit.
Course Length:-----	Regular courses: 17 weeks CR: 9-17 weeks.
Course Time:-----	Regular courses: 17 week schedule: 75 - 90 minutes per school day (6-7.5 hours per week) Credit Retrieval: 75 - 90 minutes per school day (6-7.5 hours per week) until course completion.

### { Course Description }

Credit Retrieval Physical Science 1 is for students who have already taken and failed first semester physical science. The course represents a way for those students to earn the credit by meeting or exceeding minimum standards to pass each assigned lesson. Subject matter includes the scientific method, gathering and analyzing data, and atomic theory.

#### **Course Materials:**

Students may require graph paper and a ruler if unable to complete graphs using the provided online program. Students must also have the ability to download, install, and use free software such as First Class, Shockwave, Quicktime, Adobe Acrobat, or Flash

#### **State Alignments**

Washington State Standards guided the design of the course. Learning expectations are found within the course itself.

The following standards will be covered in this course.

1. Questioning: Study and analyze questions and related concepts that guide scientific investigations.
2. Planning and Conducting Investigations: Plan, conduct, and evaluate systematic and complex scientific investigations, using appropriate technology, multiple measures and safe approaches.
3. Properties of Substances: Examine the basis for the structure and use of the periodic table.
4. Structure of Matter Relate the structural characteristics of atoms to the principles of atom

bonding.

5. Physical and Chemical Changes Analyze and explain the factors that affect physical, chemical, and nuclear changes and how matter and energy are conserved in a closed system.
6. Understand and apply content/academic vocabulary critical to the meaning of the text, including vocabularies relevant to different contexts, cultures, and communities.
7. Apply comprehension-monitoring strategies for informational and technical materials, complex narratives, and expositions; synthesize ideas from selections to make predictions and inferences.
8. Analyze and evaluate text for validity and accuracy.
9. Apply understanding of text and graphic features (titles, headings, table of contents, indexes, glossaries, prefaces, appendices and captions)
10. Understand how to convert units of measure within a system.
11. Apply procedures to solve equations and systems of equations.

### **Course Outline**

Unit 1 Matter

Unit 2 Changes in Matter

Unit 3 Earth Systems

Unit 4 The Atmosphere

### **Course Work**

Students are expected to put in a minimum of 10 hours per week to complete their lessons. Lessons should be turned in as soon as they are completed and not turned in bulk at the last minute.

### **Grading**

Students are expected to pass each assignment with a 70% or better grade in order to earn credit. Assignments that fail to meet minimum standards will be returned for revision and must be resubmitted by the student. Only one revision will be allowed.

Lesson assignments will be graded using the following criteria:

1. Proper spelling and grammar should be used at all times.
2. Lab write-ups should follow standard format provided in the course.
3. All lesson answers should be paraphrased from the information in the sources.
4. Copying and pasting from sources will not be tolerated. Students must write answers in their own words.

### **Occupational Credit:**

This course may qualify for \*occupational credit. Please consult your school counselor for further clarification.

\*Please note that FLA901 (Sign Language) does not qualify for occupational credit.