Physical Science S1 & S2

Course Information:
1 Credit
Asynchronous Spark Course
Course Site: https://akgrad.sparkeducation.com/

Course Description: Physical Science is the study of matter and energy and includes chemistry and physics. Topics include: matter, the periodic table, elements, mixtures, compounds, chemical reactions, light and electromagnetic spectrum, energy, heat, motion, Newton's laws and momentum.

Course Organization: The course is divided into sixty-five lessons contained in eight units. Lessons are mostly text with some links to outside resources. Lessons are followed by a quiz and/or assignment. At the end of each unit is a test covering all the material from that unit.

Materials Required:

- Computer or tablet with Internet access

Academic Dishonesty: With most correspondence courses as well as AKGrad & YKSD, honesty of parents and students is essential. If an AK Grad teacher confirms that a student has plagiarized work or used AI, the student will receive a 0 and be subject to consequences determined by their school of record.

Grading: In this course you will be graded on quizzes, tests, assignments, and post-assessments.

- **Quizzes:** There are 41 quizzes. Quizzes are mostly computer scored and you can see your incorrect answers immediately so you can retake if necessary. The question format is largely multiple choice but can also include fill-in-the-blank, matching, or short answer. It is also permissible to use notes, study materials, and books on the quizzes. You have 2 tries to take each quiz and additional attempts can be given upon request.
- **Tests**: There are 8 tests. The tests are meant to reflect how much you have learned while completing the lessons. The question format is largely multiple choice but can also include fill-in-the-blank, matching, or short answer.
- **Assignments:** There are 46 teacher-graded assignments that include a variety of formats such as audio or video recordings, presentations, diagrams, lab reports, and short writing tasks. Most lab assignments use online simulations or videos and do not require any special materials. If you have any questions or need help, please contact your online teacher.

- **Post-Assessments:** Post-assessments are cumulative. There is a post-assessment at the end of each quarter.

The following grading scale will be used for determining your final grade. After completing the course with a "D-" or better you will receive one Carnegie credit from the Yukon Koyukuk School District.

Percent	Grade
97% - 100%	A+
93% - 96%	A
90% - 92%	A-
87% - 89%	B+
83% - 86%	B
80% - 82%	B-
77% - 79%	C+
73% - 76%	C
70% - 72%	C-
67% - 69%	D+
63% - 66%	D
60% - 62%	D-
< 60%	F

Course Schedule: Though you are in charge of your own schedule, we will encourage you to create a schedule for completing the course. As your teacher, I will support you in meeting your goals. A pacing guide is provided in the course. The following is a list of Units that need to be completed.

Semester 1	**Semester 2**

● Unit 1: Describing Motion ● Unit 2: Contact Forces and Motion ● Unit 3: Momentum and Conservation of Momentum ● Unit 4: Energy and Energy Transfer	● Unit 5: Non-Contact Forces ● Unit 6: Waves and Electromagnetic Spectrum ● Unit 7: Atomic Structure and the Periodic Table ● Unit 8: Chemical Reactions

Subject to Change

This syllabus and schedule are subject to change in the event of extenuating circumstances. Your instructor will notify you of changes via Spark announcements.