

Launch Physical Science

Course Information:

1 Credit

Asynchronous Canvas Course

Course Site: <https://akgrad.instructure.com/>

Course Description: This course is designed for students at a lower reading level or students who are At-Risk, or in danger of not graduating high school. Launch Physical Science is designed to meet the needs of online students who have had difficulties with traditional classroom or other correspondence classes that do not meet a student's needs and need to earn a Physical Science credit.

Topics covered include: the Metric System; Properties of Matter; Structure of Matter; Classifying Elements; Compounds; How Matter Changes; Motion; Work and Machines; Heat: Sound and Light; Electricity; and Magnets and Electromagnetism. Assignments focus on learning the content, demonstrating comprehension, and using the information to answer hands-on investigation questions.

Course Organization: The course is divided into twelve chapters. Each chapter is broken down into lessons based on learning outcomes. For each lesson, you are required to read a section of the textbook, complete practice problems from the textbook, and then take an online quiz.

Materials Required:

- Computer or tablet with Internet access
- AGS Physical Science Book

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: Investigations and quizzes are designed to be completed as many times as necessary to earn the grade that you would like to earn. If you are struggling on investigations or quizzes, you should contact your online teacher for additional support.

- **Assignment Quizzes:** Quizzes are computer scored and you can see your incorrect answers immediately so you can retake if necessary. Quizzes consist of approximately 10 multiple choice questions. You have 2 tries to take each quiz and additional attempts can be given upon request.

- **Tests:** You are not allowed to use notes, study materials, or books on the tests. The tests are meant to reflect how much you have learned while completing the lessons and investigations. Tests consist of 35 multiple choice questions.
- **Investigations:** Each chapter includes an investigation. These investigations will let you extend and apply what you have learned in the unit. The investigations are teacher graded. Please read the online directions before completing the investigations in the textbook. Many of the investigations include videos, images, and additional directions to help you. You do not need any special materials to complete the investigations.

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 we will support you

in meeting your goals. A pacing guide is provided in the course. The following is a list of chapters that need to be completed.

<u>1st Quarter</u>	<u>2nd Quarter</u>
<ul style="list-style-type: none">● Ch 1 The Metric System● Ch 2 The Properties of Matter● Ch 3 The Structure of Matter	<ul style="list-style-type: none">● Ch 4 Classifying Elements● Ch 5 Compounds● Ch 6 How Matter Changes

<u>3rd Quarter</u>	<u>4th Quarter</u>
<ul style="list-style-type: none">● Ch 7 Motion● Ch 8 Work and Machines● Ch 9 Heat	<ul style="list-style-type: none">● Ch 10 Sound and Light● Ch 11 Electricity● Ch 12 Magnets and Electromagnetism

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 Canvas announcements.