

Buckley Schools

7th-Grade Science Syllabus

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Welcome to 7th Grade Science Class. My aim as a teacher is to provide students with a deeper conceptual understanding, hands-on lab activities and experiences where students will ask questions and share new ideas with one another and practice scientific methods, processes and procedures. Seventh Grade Science explores Earth Science, Physical Science, and a bit of Chemistry, and some Biology. I look forward to working with you this year together to make this year a successful school year.

The 7th Grade Scienceclass will cover the following units and pacing guide,

Unit 1: Geology:

Unit Overview: Students will study the surface of planet Earth, as well as the natural phenomena that causes the surface to change over time, make different types of models representing the lithosphere that will best help them describe changes in the surface of the planet. In addition, they will analyze data from earthquakes and volcanoes, and charts that represent the long history of Earth, drawing conclusions about how these forces of nature provoke short-term, long-term, and permanent changes to the surface of the planet.

Unit 2: Energy and Matter:

Unit Overview: Students will study and describe matter by its physical properties and will explain its behavior by using its chemical properties. Knowledge of physical and chemical changes will enable students to understand how matter and energy interact in many dynamic ways. As students understand these interactions between matter and energy, they will also, be able to investigate and explain how pollutants enter and remain in the environment, and its consequences for living and nonliving things. Students will be able to propose ideas and ways to preserve a healthy living environment with a minimum amount of pollutants.

Unit 3: Dynamic Equilibrium: The Human Animals:

Unit Overview: Students will study, and understand the cell, the function of organs, and how these work together as a system, be able to explain and conclude that, despite changes, the connection of organ systems, and the maintenance of a proper metabolism, will provide a dynamic equilibrium for life.

Unit 4: Dynamic Equilibrium: Other Organisms:

Unit Overview: Students will continue to study and build an understanding of the structure and function of other organisms, by exploring body systems of plants and other animals, including single-celled organisms and invertebrates. Students will compare and contrast how these organisms regulate and maintain homeostasis, drawing conclusions about their physical needs and how they maintain a dynamic equilibrium

MATERIALS NEEDED

- ❖ Chrome-books

- ❖ Science Journals (1 Marble Notebook)
1- for taking notes in class because class notes are required and should be taken in class notebook everyday

- ❖ Pencil pouch & with at least 3 pencils sharpened, and eraser

- ❖ Colored pencils, pens, highlighters, markers, ruler, and scissors

will be provided.

- ❖ **Remember:** Always do your work in pencil and Don't throw anything away but everything should be saved and organized by Date, Lesson and Unit Number to study for future quizzes and tests.

Safety: All safety rules must be followed in science class because science class is a lab-oriented place, and if you fail to follow these rules you will be removed from class.

COURSE POLICIES

All school policies as outlined by the School Handbook will be followed. Students should take their time to read and familiarize themselves with the handbook and pay attention to policies regarding academic integrity, homework, attendance, punctuality, Internet and computer use, make-up assignments, dress code, cell phones and electronic devices.

ATTENDANCE/PARTICIPATION

Throughout the year to ensure success in this course regular attendance and participation is required. You are required and expected to arrive on time and stay for the entire class, be prepared, participate in class and group discussions, follow directions, work quietly together on group activities, answer questions posed by the teacher, present solutions to homework assignments, take notes on all activities. If you are late or must leave early you need to minimize the disruption to the class on these occasions.

ABSENCES

It is very important that you attend class daily, and be up-to-date with any missing work by asking the teacher at all times since most of the topics are built upon each other. It is your responsibility to find out what you have missed during the absent times. Assignments will be posted or announced everyday, such as missed tests or quizzes and if so upon your return we will schedule a time with me to make them up within one week of your return.

HOMEWORK POLICY

- In addition to work class in class for a complete understanding of the topics covered homework is a vital part of this course. Students are expected to complete their homework to show understanding. It will be due the next day. Homework assignments are not considered late if they have been excused, and they will have an extra day to finish the work.

- All work must be shown with proper heading, including Name, Date, and Class in the upper right hand corner.

- Homework will be collected, checked and graded daily based on the effort and completeness.
- When you come to class open your Notebook and be prepared to ask questions about any problems you had difficulty with.

- Late assignments will lose points each day that it is late.
- Assignments more than a week late will NOT be accepted.

ACADEMIC INTEGRITY

All students must comply with the standards of conduct mandated by the Buckley School Student Handbook. Any student who violates academic honesty will be considered a violation. This includes but is not limited to: plagiarism, falsification of data/information, cheating and false claims. Students who commit these acts are subject to loss of credit or receive a grade of zero for a particular assignment, test, or quiz. Any incident of academic integrity will be subject to the disciplinary meeting with the Principal, and a parent/guardian.

CLASS RULES

- ☐ Always be on time - When the bell rings all students must be in their assigned seats.
- ☐ Always be prepared - Bring all the required materials to class
- ☐ Always be respectful to everyone and accept differences. (All students will show respect for adults in the classroom, teacher (s), others, textbooks, materials, classroom environment, no name calling or belittling other students opinions, no chewing gum, no hats, no electronic devices)
- ☐ Always be responsible and don't argue
- ☐ Always be honest, do your best, participate, and follow directions because you will be assessed at all times
- ☐ Always Listen
- ☐ Always stay on task
- ☐ Always think before you speak or act

EXTRA HELP

Feel free to come in for extra help any time but be sure to come in as soon as possible. I will be available during my lunch- time, any prep times that I have. ***Don't wait until the last minute!!!***

SEMESTER GRADES, GRADES 7–12

The cumulative grading system calculates a student's grade in a class that counts each new assessment points as it's assigned throughout the semester. Exams will be 20% of the total points for each semester calculated through PowerSchool.

Note: 1st semester exams are required. 2nd semester exams--students will be exempt from exams if they have a semester grade of 90% or better unless the teacher requires the final exam to be taken. Students who are present at school and are not required to take an exam will check in at the Cave.

Percentage	Grade	Points**
93 – 100	A	4.0
90 – 92	A–	3.7
87 – 89	B+	3.3
83 – 86	B	3.0
80 – 82	B–	2.7
77 – 79	C+	2.3
73 – 76	C	2.0
70 – 72	C–	1.7
67 – 69	D+	1.3
63– 66	D	1.0
60 – 62	D–	0.7
00 – 59	E	0.0

KEY TO SUCCESS

Who is accountable for success? YOU

Who is the success directly related to? Teacher, You and Your Family

To be successful you need to see yourself and your teachers as partners in the learning process, and keep in mind I don't give grades but you earn them.

TEST CORRECTIONS

In order for students to receive extra credits on certain tests and quizzes I will give each student an opportunity do test correction to incorrect problems they have to show their work step by step, explaining how they arrived at the different answer compared with the original test or quiz by justifying their answers in complete sentences, and not just answering or circling the choices on a separate loose-leaf paper, stapled along with the original quiz or test.

I have read and understand the expectations for the 7th Grade Science Syllabus for the 2024 - 2025 school year.

Student Name Student Signature Date

Dear Parents,

Please complete the information below and read the 8th grade syllabus found on my web page. Please feel free to email or call me at any time for any questions or concerns.

Parent /Guardian's Name Day Phone Number

Parent/Guardian's email address and Phone

Parent/Guardian Signature Parent Signature

List any concern or questions

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List your child's involvement in sports & activities

