



Elite 8th Physical Science

COURSE OUTCOME:

- **Course Description:**

The primary theme for Physical Science is the study of conservation of matter and energy. The course is designed to introduce the college bound student to the concepts of forces and motion, chemical and physical properties of matter, the ways in which matter and energy interact, the forms and properties of energy, and other basic concepts in chemistry and physics. **This a high school equivalent course. The grade is reflected on the high school transcript and is calculated in the high school GPA.**

- **Curriculum:**

8th grade science standards can be located at <http://www.tn.gov/education/ci/sci/index.shtml>

INSTRUCTION:

- **Skills/Topics Covered and General Pacing:**

- Embedded Inquiry: approx. 2 weeks
- Motion and Stability: approx. 7 weeks
- Waves and Their Properties: approx. 4 weeks
- Energy: approx. 4 weeks
- Earth's Systems: approx. 1.5 weeks
- Biological Change: approx. 1.5
- Structures and Properties of Matter: approx. 5 weeks
- Chemical Reactions: approx. 5 weeks
- Chemical and Nuclear Processes: approx. 3 weeks

- **Materials Needed:**

Textbook/online textbook, agenda, pencils and pens (dark blue or black ink), highlighters, college-rule notebook paper, graph paper, calculator.

- **Fees:**

There are no additional fees required for this course (tips are accepted).

- **Resources:**

- ✓ Glencoe Science: *Physical Science* (2017)
- ✓ Ancillary resources include: Students may view a variety of county-approved videos including those from our media center, science department, KCS Resources, Eyewitness Series, Discovery Ed, National Geographic, or from Discovery Streaming Online.

- **Safety Procedures:**

Students must read and discuss lab safety, get a lab safety contract signed, and pass a lab safety test before participating in lab activities. **Violation of safety rules will result in removal from lab activities.**

ASSESSMENTS:

- **Competencies:**

The students will be assessed on the learning standards and associated skills found in the curriculum and used in the classroom. These standards can be found on the website. This honors curriculum will include at least five of the following components:

1. Extended reading assignments.
2. Research-based writing.
3. Projects that apply to real-world situations.
4. Open-ended investigations.
5. Writing assignments.
6. Integration of technology.
7. Exploration of history of discipline.
8. Problem solving utilizing imagination, critical analysis, and application.

- **Knox County Grading Policy:**

The Knox County Grading Scale will be used.

A=93-100, B=85-92, C=75-84, D=70-74, F=69 and below

- **Grading Distribution:**

Student grades will be weighted as follows:

1st semester

Formative and Summative 100% (combined) of the overall grade

- This is a “point system” that goes as follows
 - Daily work/tasks = 1 point per question
 - (10% of the total)
 - Quizzes = 2 points per question
 - (20% of the total)
 - Labs/Activities/Mini-Projects = 3 points per question (unless otherwise specified)
 - (30% of the total)
 - Tests = 4 points per question
 - (40% of the total)

2nd semester

Formative and Summative 85% (combined) of the overall grade

- Same breakdown as 1st Semester

EOC 15%

Physical Science will count as a high school honors credit.

No extra credit will be given as per Knox County Policy.

The Board affirms that it is essential that the teaching about religion—and not of a religion be conducted in a factual, objective and respectful manner in accordance with the following:

1. Music, art, literature, or drama with a religious theme or basis are permitted as part of the curriculum for school-sponsored activities and programs provided it is essential to the learning experience in the various fields of study and is presented objectively;
2. The emphasis on religious themes in the arts, literature and history shall be only as extensive as necessary for a balanced and comprehensive study of these areas. Such studies shall never foster any particular religious tenets or demean any religious beliefs; and
3. Student-initiated expressions to questions, or assignments which reflect their beliefs or non-beliefs about a religious theme, shall be accommodated. For example, students are free to express religious belief or non-belief in compositions, art forms, music, speech and debate.

- **Assignments:**

- ✓ Assignments will be posted on the board daily for the students to copy into their agenda. They will also be posted weekly on the Aspen website.
- ✓ Interactive science notebooks will be used for class assignments. Students must keep the notebook up to date. In the event of notebook loss, students must recreate all pages in the notebook in order to receive full credit.
- ✓ Assignments will be given on a daily basis. A new concept cannot be fully understood until it has been applied in problem solving. The students will be given some class time to work on their assignments. If they do not complete the assignment in class, it becomes homework.
- ✓ Additionally, this honors curriculum will substantially exceed the content standards, learning expectations, and performance indicators approved by the State Board of Education. Students will utilize independent study, self-directed research and learning, and technology. Students may be assessed in multiple formats such as short answer, constructed –response prompts, performance-based tasks, open- ended questions, essays, original products, portfolios, or analytical writing.
- ✓ Unit tests will be given throughout the year.
- ✓ Quizzes will be announced and unannounced.

- **Online Gradebook Post Policy:**

One way in which I communicate with the student and parent is through the Online Gradebook. In order to give timely feedback, I will generally update grades at least once per week.

- **Cedar Bluff Middle School Grading Policy:**

Collecting and completing absent and late work is the student's responsibility.

Absent Work: According to KCS policy, a student will have 3 days upon return to school to **request** a missed assignment. One day will be given for each day missed for **completing** make-up work. For example, Rupart is absent Monday. He collects his make-up work on Tuesday. The assignment is due Wednesday. After that due date, the assignment is late. Students receive full credit for work completed by the due date.

Late Work: NO LATE WORK IS ACCEPTED IN HONORS CLASSES. *

Retakes: When students are offered the opportunity to retake an assignment/test, students will have 5 school days in which to schedule the retake. In order to be eligible for a retake the students must complete all of their assignments and/or an action plan. The grade earned on the retake will replace the initial grade.

Emergency Situations: In recognition of emergency situations, teachers will use professional judgment and student history to determine if an exception to this policy is in order. If an exemption is granted, the teacher will set a reasonable deadline for work completion and submission.

Extra Credit: Grades should reflect mastery of skills; as a result, no extra credit is offered.

**IEP mandates precede school policy.*

GENERAL EXPECTATIONS:

- **Students:**

- ✓ Attendance to all classes is mandatory. Concepts taught each day build on the previous day. If an absence does occur, the **student** is responsible for getting all missing assignments.
- ✓ Classroom Policies correlate to CBMS's school-wide behavior plan. Rewards and discipline strictly abide by the school policy.
- ✓ Realization that the Mr. Hicks' class will possibly be the most enriching/exhilarating experience of your life.
- ✓ Critical thinking and problem solving are a large component of this course, and thus students are expected, and encouraged, to ask questions, and seek deeper meaning and understanding of the course content.

- **Honor code:**

- ✓ Each student will work to his/her full potential.
- ✓ Each student will treat all members of the class with respect.
- ✓ Each student will be honest and consider the integrity of his/her actions.
- ✓ Each student will realize that this is the best class with the best teacher that they will ever have, and will be grateful for the opportunity to learn from such a brilliant mind.
- ✓ Students engaged in cheating may receive a 0 on the assignment/test and be subject to disciplinary action. Cheating is any type of communication during an independent activity or claiming someone else's work. This includes plagiarism on research assignments, and sharing assignments during homeroom, class, or after school.

- **Teacher Communication Strategy:**

- ✓ The J.T. Hicks – john.hicks@knoxschools.org
- ✓ Phone: (865) 539-7891
- ✓ **All parent conferences are scheduled through the school office. Conferences will be made with a students' entire team of teachers between 8:30-10:00.**

- **Intervention Strategy:**

- ✓ Tutoring will be before and after school by appointment.
- ✓ Study-buddies are a great way to complete assignments and study for exams.

Dear Parent(s) or Guardian(s):

Please read through the syllabus and sign below indicating that you understand the curriculum and class policies for 8th grade physical science.

Thank you,
J.T. Hicks

I have received the **ELITE Eighth Grade Physical Science Syllabus**, and I am aware that my child has been informed about laboratory safety guidelines at Cedar Bluff Middle School and that he/she has agreed to comply with all classroom and safety rules and regulations. In the space provided, I have listed any special health considerations (latex allergies, medical problems, etc.) or information pertaining to my child that is relevant to science class.

Allergies or medical issues:

Questions for the teachers:

_____ Parent Signature

_____ Date

_____ Parent e-mail

_____ Phone

The lab activities we will complete this year require materials that are not covered by student fees. Please indicate one item listed below if you would be willing to donate to the classroom. Have your child bring the item to school. These supplies will be used to enrich your child's science work throughout the year. Thank you!

_____ **batteries (AA and/or AAA)**

_____ **plastic spoons and forks**

_____ **box of baking soda**

_____ **box of gallon Ziploc bags**

_____ **box of sandwich sized Ziploc bags**

_____ **large package of paper plates**

_____ **package of 18 oz. plastic cups**

_____ **package of 8 oz clear plastic cups**

_____ **package of 3 oz plastic cups (bathroom)**

_____ **roll of aluminum foil**

_____ **box of straws**

_____ **roll of paper towels**

_____ **Other specific supplies (please contact your student's science teacher for more details)**