

COURSE EXPECTATIONS

SCIENCE 8

MS. JOLLY room 809

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Course Scope: This one-year course is designed to introduce middle school students to a broad array of physical science concepts, technology and career opportunities. Ability differences between the levels of students will be considered and reflected in appropriated methodologies, depth of information and length of time spent on presentation. Science is a required course for all eighth grade students.

Course Goals and Objectives:

1. To utilize and demonstrate safe practices in the science laboratory.
2. To name and properly use common lab equipment
3. To practice problem-solving skills using the scientific method.
4. To develop skills using the metric system (SI) in common measurements.
5. To examine the relationship between motion and force.
6. To recognize various forms of energy.
7. To identify the structure of matter and parts of the atom.
8. To utilize the periodic table and understand the properties of matter.
9. To understand wave characteristics of light and sound.
10. To demonstrate the relationship between magnetism and electricity.
11. To understand and demonstrate that physics principles can be solved mathematically.
12. To recognize simple chemical compounds.
13. To explain the process of a nuclear reactor.
14. To explore career opportunities in science and technology.

Prerequisites: Recommendation of the seventh grade reading teacher and reading stanines. Please refer to course catalog.

CCSD Standards Based Assessment Program:

1. Administered to all eighth grade students as pre- and post- tests.
2. Used to determine prior knowledge, skills, and abilities of each student.
3. Used to assist in instructional planning.
4. Used to measure student growth in course content and performances.

Course Outline:

- 1st Quarter: Properties and motion of waves
Properties and nature of sound and light
- 2nd Quarter: Motion and forces
Newton's Laws of Motion
Nature of Matter
- 3rd Quarter: Mixtures, compounds and solutions
Properties of matter
Conservation of mass
- 4th Quarter: Energy in many forms

Course Activities:

Testing: The teacher will administer tests and quizzes throughout the course of study to determine the individual student's development as well as the effectiveness of the teaching strategies/methodologies. These tests and quizzes will count for 30% of each quarter's grade. A semester exam will be given at the end of each semester. The semester exam will count for no more than 20% of the final semester grade.

Classwork: Students are expected to complete in-class assignments. In-class assignments include, but are not limited to:

- Bell Work
- Group work
- Study guides
- Reading
- Worksheets
- Laboratory Exercises

Homework: Students will also be expected to complete all homework at home. Students are required to turn in something every time an assignment is due. If a student does not complete an assignment, then she must turn in a Some Assignment Missing (SAM) form indicating why the assignment was not turned in. This form will serve as documentation that the assignment had not been completed as assigned.

- Homework will be assigned in class and a reminder will also be posted on my.ccsd.net weekly as a reminder to students and parents.
- Homework will be given 2-3 nights a week and should take no longer than 20 minutes. The BMMS homework policy will apply.
- Notes will be given when necessary and are to be reviewed for content knowledge.
- Lab experiments and journal writing will be conducted in class throughout the course.
- Extra credit **may** be offered each quarter only if students have completed all assignments.

Long-Term Assignments/ Projects: Long-term assignments are designed to enhance learning and help students become organized, accountable, and increase time management skills. Students are expected to complete all long-term assignments according to the time frame the teacher has designed and are responsible for turning each portion in **on time with no exceptions!** Students who are absent on the day a long-term assignment is due, must turn that assignment in **the day** they return to school.

Textbooks:

1. BSCS - Investigating Physical Systems will be issued to every student to be covered and kept at home. The replacement cost will be approximately \$50 if not returned at the end of the school year or at withdrawal.

Student Recommended Supplies:

1. A section of the students' 3-ring binder will be for science class. This section into will subdivided into 4 sections labeled handouts, vocabulary, notes and graded papers.
2. Each student will keep a composition book for journaling labs and note taking during class time.
3. Additional supplies will include red and blue ink pens, paper, calculator and colored pencils.

Academic Dishonesty: If students are found guilty of academic dishonesty (plagiarism and/or cheating) the teacher will collect the assignment, mark a zero for the work and notify the parent of the infraction. A second offense will result in a notice of a required parent conference at which time future consequences will be discussed. A student that is found guilty of such an offense will receive a "U" in citizenship.

Make-up Work (CCSD REG.5113): After any absence, a secondary **student** is required to **initiate** contact with the teacher(s) to obtain appropriate make up work within three (3) school days immediately following the absence. Once contact has been made with the teacher(s), specific make up work must be completed and returned to the teacher(s) within a reasonable length of time, to be determined by the teacher and communicated to the student/parent or legal guardian. The make up work must be returned to the teacher(s) by the specified due date if it is to be acknowledged. Students shall be allowed a minimum of three (3) days to complete make up work. Explanations and/or help are available at the teacher's scheduled availability times, NOT during the class period. Students, who are absent, **must** have all make-up work in by the 5th day after returning.

Late Work: All daily, short and long-range assignments are due on the following school day or the date identified by the teacher. If a student is absent on the day an assignment is due, the completed assignment is due the day the student returns to school. If an assignment is turned in late, the student will fill out a SAM (Some Assignment Missing) Sheet, in addition to the grade being penalized 10% for every day it is late up to 5 days late. Assignments will only be accepted up to 5 days following the due date, unless arrangements are made with the teacher.

Headings: Students will be expected to use the proper Bob Miller MS heading on every assignment. The proper heading is posted on the front board. If the proper heading is not used, the paper will be put in the "no name" basket and there will be a 10% reduction of the assignment's grade if the paper is claimed by the owner.

Evaluation: Students will be required to provide feedback on grade and academic progress to their parents on a weekly basis. They will do this by recording their grade on Monday's into their planner. The teacher will stamp or sign off on the grade. This is an ongoing assignment and every student needs to be responsible to complete. Grades can also be accessed through the internet via the Parent Link system. Grades will be updated weekly.

Student quarter grades: will be earned through the following:

1. Tests and quizzes- 30%
2. Labs and projects- 30%
3. Vocabulary lists- 20%
4. Homework- 20%

Student semester grades: will be earned through the following:

1. Quarter 1 (or 3)- 40%
2. Quarter 2 (or 4)- 40 %
3. Semester Exam- 20%

Letter grades:

89.5% and above	A Excellent
79.5 - 89.4%	B Above average
69.5-79.4%	C Average
59.5-69.4%	D Below average
Below 59.4%	F Does not meet requirements to pass

Behavioral Expectations and Citizenship Grades - Citizenship grades will be based on a student's ability to follow the classroom procedures and effectively turn their assignments in.

The students are expected to:

1. All students will be seated in their desks when the tardy bell rings.
2. All students will come to class prepared and ready to learn!
(Bring materials and have your homework ready)
3. All students will respect themselves, others and the learning environment.
(No excessive talking, insubordination, or horseplay during class and/or lab) * Refer to Lab Safety Contract *
4. All students will raise their hands and be recognized before contributing in class.

Failure to comply will result in the following progressive discipline plan:

1. Warning in the form of a one-on-one conference with student.
2. Parent/Guardian contact and/or detention.
3. Counselor's referral.
4. Dean's referral.

*Major infractions can result in an immediate dean referral. These infractions can result in an automatic unsatisfactory mark in citizenship.

Citizenship grades:

O= Outstanding	No tardies, gum citations, and or discipline referrals
S= Satisfactory	1-3 tardies, 2 gum citations and no discipline referrals
N= Needs improvement	Tardy referral, 3 gum citations, counselor and/or dean referral
U= Unsatisfactory	Tardy referral or dean referral

SCIENCE 8
MS. JOLLY
COURSE EXPECTATION SIGNATURE SHEET

Please sign and return this page indicating you have read the course expectations for the above course. This sheet will become a permanent part of the student records maintained in the teacher's classroom for the duration of the school year or until withdrawal.

Print Student Name: _____ Period: _____

Student Signature: _____

Print Parent or Guardian Name: _____

Parent or Guardian Signature: _____

Home phone: _____

Cell phone: _____

Email: _____