

Academic Chemistry
Classroom Procedures & Expectations

Instructor – Mrs. McLaughlin, kmclaughlin@cbsd.org

Schoolwires Website – www.cbsd.org/kmclaughlin

You can search teacher websites from both the CBSD home page and from the South page

Units of Study –

	Approx. Length	Approx. Test Date
Unit 1 – Matter & Measurement	3 weeks	2/20
Unit 2 – Atomic Structure	2 weeks	3/13
Unit 3 – Ionic & Molecular Bonding	3 weeks	4/4
Unit 4 – Stoichiometry	4 weeks	5/7
Unit 5 – States of Matter & Thermochemistry	2 weeks	5/22
Unit 6 – Gas Laws	1 week	5/30
Unit 7 – Acids & Bases	2 week	6/10

Student Responsibilities - Students must provide the following daily:

- Composition Notebook
- Pen/pencil
- **Scientific or Graphing Calculator**

Grading - Grades in the class are based upon the following categories, each with a tabulated percentage counting toward the final grade:

Marking Period

- Primary (50%)
 - *tests*
- Secondary (40%)
 - *quizzes, individual projects*
- Support (10%)
 - *homework, classwork*

Semester

- Marking Period 1/3 (40%)
- Marking Period 2/4 (40%)
- Core Assessments (10%)
 - *Must achieve proficiency*
- Final Exam (10)

Classwork – assignments, labs, tests/quizzes

- All assignments will be referenced on my class on each unit's page.
- If you are absent it is your responsibility to find out what you missed. Check the website first (look for notes, worksheets and make-up labs under each unit of Academic Chemistry)!
- Mock data for all labs is available online & should be submitted as a substitution for missed lab days in class.
- Incomplete homework assignments will receive a zero. Homework cannot be made up *unless you are absent from school on the day homework was checked.*
- All work pertaining to a given unit (classwork, labs, missing homework from absences, etc.) must be made up by the day of the unit test or you will receive a zero for those assignments.
- Retakes on unit tests or quizzes are not offered.
- Retakes on the core assessment will follow district policy of 1 week to make-up after the core has been returned to students.

Central Bucks High School South Academic Integrity Policy



Statement of Philosophy

The primary goals of any educational institution should be to enhance the learning environment and to promote excellence. Central Bucks High School South believes that our school should reinforce the values of our democratic society, teach citizenship, and provide an environment conducive to ethical behavior. Our school community believes that all members of our community are responsible for maintaining a climate that values honesty, courtesy, consideration, integrity and a concern for others.

Cheating is an obstacle to achieving these goals. In any of its forms, for whatever reason, cheating denies the value of education. Our teaching staff strives to put the importance of learning above the importance of grades and to convince students that their best efforts are all that anyone should expect.

Academic integrity involves taking responsibility of one's own learning. It is important to know and recognize the following forms of academic misconduct and avoid them:

Cheating

- Giving or receiving unauthorized assistance (e.g., copying, stealing exams, using electronic aids/devices, Internet sources, or using aids like *SparkNotes* instead of reading the original work) in any academic work, quiz, test, or examination.
- Using graphic calculators to store information/formulas, using camera phones or text messages to store or share testing information and/or other academic work.

Consequences

Consequences for cheating are serious. They are school-wide and cumulative for all the years a student attends Central Bucks High School South. Please reference the student handbook for specific details.

Student Responsibilities

- Make sure your paper cannot be seen by anyone else.
- Keep your eyes on your own paper.
- Do not talk, text, or otherwise communicate with other students.
- Do not use unauthorized notes, resources, computer print-outs, or other information sources.



Student Laptop Agreement
Central Bucks School District
2018-2019

You will be using classroom laptops and internet resources as valuable educational tools in our classroom. Throughout the semester, you should adhere to some guidelines. If you cannot follow the guidelines provided, you may lose computer privileges for the semester.

Laptop Guidelines

1. Use two hands when carrying the laptop.
2. Laptops should be on the desks and not on your laps.
3. Before you close the computer you must exit all open windows and shut down.
4. If you become a distraction with the laptop, you will lose privileges (sounds, banging... etc).
5. If you are using software or navigating a website that is NOT the assigned class activity, you will lose privileges.
6. When you return the laptop, you must plug in the charge cord appropriately. If this is not done consistently, you will lose privileges.
7. Do not place anything on tops of the lap when it is closed.
8. Do not place food or drink anywhere near the laptop.

Internet Guidelines

1. Viewing inappropriate material on the internet is not acceptable. If while on task and researching appropriate material and something inappropriate appears, contact the teacher immediately.
2. Never share personal information on any sites used in the classroom. Use your blog name and login names that the teacher assigns.
3. Do not use another site's ideas, images, or information without citing appropriately.
4. **DIGITAL CITIZENSHIP** must be practiced at all times.

- I understand the guidelines stated and will adhere to them. I realize that my computer privileges will be taken away if I cannot consistently follow the correct procedures.

Assigned Laptop #: _____

Date: _____

Teacher: Mrs. McLaughlin

CB South Student Safety Contract

PURPOSE

Science is a hands-on laboratory class. You will be doing many laboratory activities which require the use of hazardous chemicals. Safety in the science classroom is the #1 priority for students, teachers, and parents. To ensure a safe science classroom, a list of rules has been developed and provided to you in this student safety contract. These rules must be followed at all times. Two copies of the contract are provided. One copy must be signed by both you and a parent or guardian before you can participate in the laboratory. The second copy is to be kept in your science notebook as a constant reminder of the safety rules.

GENERAL RULES

1. Conduct yourself in a responsible manner at all times in the laboratory.
2. Follow all written and verbal instructions carefully. If you do not understand a direction or part of a procedure, ask the instructor before proceeding.
3. Never work alone. No student may work in the laboratory without an instructor present.
4. When first entering a science room, do not touch any equipment, chemicals, or other materials in the laboratory area until you are instructed to do so.
5. Do not eat food, drink beverages, or chew gum in the laboratory. Do not use laboratory glassware as containers for food or beverages.
6. Perform only those experiments authorized by the instructor. Never do anything in the laboratory that is not called for in the laboratory procedures or by your instructor. Carefully follow all instructions, both written and oral. Unauthorized experiments are prohibited.
7. Be prepared for your work in the laboratory. Read all procedures thoroughly before entering the laboratory.
8. Never fool around in the laboratory. Horseplay, practical jokes, and pranks are dangerous and prohibited.
9. Observe good housekeeping practices. Work areas should be kept clean and tidy at all times. Bring only your laboratory instructions, worksheets, and/or reports to the work area. Other materials (books, purses, backpacks, etc.) should be stored in the classroom area.
10. Keep aisles clear. Push your chair under the desk when not in use.

11. Know the locations and operating procedures of all safety equipment including the first aid kit, eyewash station, safety shower, fire extinguisher, and fire blanket. Know where the fire alarm and the exits are located.
12. Always work in a well-ventilated area. Use the fume hood when working with volatile substances or poisonous vapors. Never place your head into the fume hood.
13. Be alert and proceed with caution at all times in the laboratory. Notify the instructor immediately of any unsafe conditions you observe.
14. Dispose of all chemical waste properly. Never mix chemicals in sink drains. Sinks are to be used only for water and those solutions designated by the instructor. Solid chemicals, metals, matches, filter paper, and all other insoluble materials are to be disposed of in the proper waste containers, not in the sink. Check the label of all waste containers twice before adding your chemical waste to the container.
15. Labels and equipment instructions must be read carefully before use. Set up and use the prescribed apparatus as directed in the laboratory instructions or by your instructor.
16. Keep hands away from face, eyes, mouth and body while using chemicals or preserved specimens. Wash your hands with soap and water after performing all experiments. Clean all work surfaces and apparatus at the end of the experiment. Return all equipment clean and in working order to the proper storage area.
17. Experiments must be personally monitored at all times. You will be assigned a laboratory station at which to work. Do not wander around the room, distract other students, or interfere with the laboratory experiments of others.
18. Students are never permitted in the science storage rooms or preparation areas unless given specific permission by their instructor.
19. Know what to do if there is a fire drill during a laboratory period; containers must be closed, gas valves turned off, fume hoods turned off, and any electrical equipment turned off.
20. Handle all living organisms used in a laboratory activity in a humane manner. Preserved biological materials are to be treated with respect and disposed of properly.

21. When using knives and other sharp instruments, always carry with tips and points pointing down and away. Always cut away from your body. Never try to catch falling sharp instruments. Grasp sharp instruments only by the handles.
22. If you have a medical condition (e.g., allergies, pregnancy, etc.), check with your physician prior to working in lab.

CLOTHING

23. Any time chemicals, heat, or glassware are used, students will wear laboratory goggles. There will be no exceptions to this rule!
24. Contact lenses should not be worn in the laboratory unless you have permission from your instructor.
25. Dress properly during a laboratory activity. Long hair, dangling jewelry, and loose or baggy clothing are a hazard in the laboratory. Long hair must be tied back and dangling jewelry and loose or baggy clothing must be secured. Shoes must completely cover the foot. No sandals allowed.
26. Lab aprons have been provided for your use and should be worn during laboratory activities.

ACCIDENTS AND INJURIES

27. Report any accident (spill, breakage, etc.) or injury (cut, burn, etc.) to the instructor immediately, no matter how trivial it may appear.
28. If you or your lab partner are hurt, immediately yell out "Code one, Code one" to get the instructor's attention.
29. If a chemical splashes in your eye(s) or on your skin, immediately flush with running water from the eyewash station or safety shower for at least 20 minutes. Notify the instructor immediately.
30. When mercury thermometers are broken, mercury must not be touched. Notify the instructor immediately.

HANDLING CHEMICALS

31. All chemicals in the laboratory are to be considered dangerous. Do not touch, taste, or smell any chemicals unless specifically instructed to do so. The proper technique for smelling chemical fumes will be demonstrated to you.
32. Check the label on chemical bottles twice before removing any of the contents. Take only as much chemical as you need.
33. Never return unused chemicals to their original containers.

34. Never use mouth suction to fill a pipet. Use a rubber bulb or pipet pump.
35. When transferring reagents from one container to another, hold the containers away from your body.
36. Acids must be handled with extreme care. You will be shown the proper method for diluting strong acids. Always add acid to water, swirl or stir the solution and be careful of the heat produced, particularly with sulfuric acid.
37. Handle flammable hazardous liquids over a pan to contain spills. Never dispense flammable liquids anywhere near an open flame or source of heat.
38. Never remove chemicals or other materials from the laboratory area.
39. Take great care when transporting acids and other chemicals from one part of the laboratory to another. Hold them securely and walk carefully.

HANDLING GLASSWARE AND EQUIPMENT

40. Carry glass tubing, especially long pieces, in a vertical position to minimize the likelihood of breakage and injury.
41. Never handle broken glass with your bare hands. Use a brush and dustpan to clean up broken glass. Place broken or waste glassware in the designated glass disposal container.
42. Inserting and removing glass tubing from rubber stoppers can be dangerous. Always lubricate glassware (tubing, thistle tubes, thermometers, etc.) before attempting to insert it in a stopper. Always protect your hands with towels or cotton gloves when inserting glass tubing into, or removing it from, a rubber stopper. If a piece of glassware becomes "frozen" in a stopper, take it to your instructor for removal.
43. Fill wash bottles only with distilled water and use only as intended, e.g., rinsing glassware and equipment, or adding water to a container.
44. When removing an electrical plug from its socket, grasp the plug, not the electrical cord. Hands must be completely dry before touching an electrical switch, plug, or outlet.
45. Examine glassware before each use. Never use chipped or cracked glassware. Never use dirty glassware.
46. Report damaged electrical equipment immediately. Look for things such as frayed cords, exposed wires, and loose

connections. Do not use damaged electrical equipment.

47. If you do not understand how to use a piece of equipment, ask the instructor for help.
48. Do not immerse hot glassware in cold water; it may shatter.

HEATING SUBSTANCES

49. Exercise extreme caution when using a gas burner. Take care that hair, clothing and hands are a safe distance from the flame at all times. Do not put any substance into the flame unless specifically instructed to do so. Never reach over an exposed flame. Light gas (or alcohol) burners only as instructed by the teacher.
50. Never leave a lit burner unattended. Never leave anything that is being heated or is visibly reacting unattended. Always turn the burner or hot plate off when not in use.
51. You will be instructed in the proper method of heating and boiling liquids in test tubes. Do not point the open end of a test tube being heated at yourself or anyone else.
52. Heated metals and glass remain very hot for a long time. They should be set aside to cool and picked up with caution. Use tongs or heat-protective gloves if necessary.
53. Never look into a container that is being heated.
54. Do not place hot apparatus directly on the laboratory desk. Always use an insulating pad. Allow plenty of time for hot apparatus to cool before touching it.
55. When bending glass, allow time for the glass to cool before further handling. Hot and cold glass have the same visual appearance. Determine if an object is hot by bringing the back of your hand close to it prior to grasping it.

QUESTIONS

56. Do you wear contact lenses?
 YES NO
57. Are you color blind?
 YES NO
58. Do you have allergies?
 YES NO

If so, list specific allergies _____

AGREEMENT

I, _____, (student's name) have read and agree to follow all of the safety rules set forth in this contract. I realize that I must obey these rules to insure my own safety, and that of my fellow students and instructors. I will cooperate to the fullest extent with my instructor and fellow students to maintain a safe lab environment. I will also closely follow the oral and written instructions provided by the instructor. I am aware that any violation of this safety contract that results in unsafe conduct in the laboratory or misbehavior on my part, may result in being removed from the laboratory, detention, receiving a failing grade, and/or dismissal from the course.

Student Signature

Date

Dear Parent or Guardian.

We feel that you should be informed regarding the school's effort to create and maintain a safe science classroom/laboratory environment.

With the cooperation of the instructors, parents, and students, a safety instruction program can eliminate, prevent, and correct possible hazards.

You should be aware of the safety instructions your son/daughter will receive before engaging in any laboratory work. Please read the list of safety rules above. No student will be permitted to perform laboratory activities unless this contract is signed by both the student and parent/guardian and is on file with the teacher.

Your signature on this contract indicates that you have read this Student Safety Contract, are aware of the measures taken to insure the safety of your son/daughter in the science laboratory, and will instruct your son/daughter to uphold his/her agreement to follow these rules and procedures in the laboratory.

Parent/Guardian Signature

Date

PLEASE RETURN THIS PAGE BY FRIDAY, FEBRUARY 1, 2019

I acknowledge that I have read and understand the policies (classroom, academic integrity, computer usage, & lab safety) outlined in this syllabus. Furthermore, I recognize that it is my responsibility to check the class website, email or talk with my teacher when I have missed a class. In addition, I agree to follow the academic integrity policy set forth by the Central Bucks School District.

QUESTIONS

56. Do you wear contacts? _____

57. Are you color blind? _____

58. Do you have allergies? _____ If so, list specific allergies: _____

Student Name (print): _____

Student Signature: _____

Date: _____

Parent/Guardian Name (print): _____

Parent/Guardian Signature: _____

Date: _____