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| **B*enevolence,* H*onor and* S*cholarship*** | *Basha High School*  Chemistry  *Course Statement*  2018-2019 | [http://images.clipartpanda.com/airpower-clipart-natural-sciences-chemistry.jpg](http://www.clipartpanda.com/categories/airpower-clipart) |

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**Teacher:** Paul Olsen **Phone:** 480-224-2175

**E-mail:** [olsen.paul@cusd80.com](mailto:olsen.paul@cusd80.com) **Room:** C 209

(preferred method of contact)

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***Course Description:***

Chemistry is a laboratory based science course designed to provide students with a comprehensive investigative foundation of the chemical nature of the world around us from the atomic and molecular level to the macroscopic level of our surroundings. Course goals are that students will:

* **Apply the knowledge of major themes in chemistry to analyze problems and evaluate given situations.**
* **Use scientific methodology to solve problems, collect and analyze data, and communicate findings.**
* **Conduct scientific research inside and outside the classroom.**

Students will conduct a variety of relevant and “hands-on” chemistry investigations. These investigations emphasize experimental design, data analysis and application of concepts learned. Technology is used extensively throughout the class as a tool for collecting, analyzing and presenting data.

***Topics to be discussed throughout the year:***

* **The Nature of Chemistry**: Matter, scientific method, measurement and energy.
* **The Structure of Matter**: Atomic structure, electron configurations, and the periodic table of elements.
* **Interactions of Matter**: Kinetics, chemical formulas, bonding, molecular shapes and chemical reactions and equations.
* **Stoichiometry**: The mole and the math of chemical equations.
* **States of Matter**: Chemistry of gases, solids, and liquids.
* **Acids and Bases**: Chemistry of acids, bases and salts.

**DIRECTED RESEARCH- Science Research**

Each student will be **required** to complete a scientific research project on a topic of his or her group choice, which is subject to the instructor’s approval. Students will work in research groups of two to three students. It is imperative that students learn to work in collaborative setting to prepare them for college. Research topics of interest will be researched in the first few weeks of class. Students will be required to spend time on their projects outside of class, as minimal class time will be available for acquiring materials, experimentation, and report writing. Each student will receive a project packet outlining due dates, research methods, and grading policy prior to beginning their research.Guidance in research question selection, experimental procedure design and data analysis will be provided. To culminate their project, students are required write a complete scientific journal article and give a ten minute **presentation** on their research to their class. **If any part of the science research is not received, the student will receive an incomplete grade.**

Students are strongly encouraged to participate in the district and Arizona Science and Engineering Fairs, as well as the other Chandler District School Fairs during the spring semester.

***Required Materials:***

* *Pencils and pens* (daily writing tool of choice)
* *1 1/2” 3-Ring Binder* – For notes, handouts, homework, etc.
* *Scientific Calculator* – Students will be most successful if they bring their own calculator on a **daily basis**.
* *Loose leaf paper*- For homework and/or in-class notes

***GRADING******POLICY***

**Quarter Grades** will be calculated based on student test scores, quizzes, lab reports, journals, homework, projects, and presentations. Grades are based on cumulative points per quarter and **the percentage of possible points awarded**. Letter grades are based on the following percentages:

**Percent Score Letter Grade Assignment Categories Weight of Assignment**

100%- 90% = A Tests/Quizzes 50%

80% - 89% = B Lab Reports 30%

70%-79% = C Homework/Presentations 20%

60%-69% = D

0%-59% = F

**Semester Grades** are calculated as follows:

**First Quarter = 40% Second Quarter = 40% Final Exam = 20%**

*PROGRESS REPORTS & COMMUNICATION*

Progress reports will be sent home periodically for review. It is up to the student to make sure their grades are correct and all assignments have been turned in and recorded appropriately. Parents can access their child’s grades and assignments by going to the district’s website and clicking on Parent Portal. Students’ information is only accessible by using an individualized password assigned by the school for *first time* log-in. Parents may contact office personnel/counselor for their child’s password.

*POLICIES AND PROCEDURES: Student Behavior/CONDUCT POLICY*

In accordance to the student handbook, students have a responsibility to demonstrate respect for other students, faculty, staff, community members and equipment. You must also abide by school rules and regulations in order to provide a safe and positive learning environment. **Profanity will not be tolerated!**

**Consequences for disruptive behavior:**

1st offense: warning to student

2nd and 3rd offense: call to parent and detention

4th offense: referral to administration

*ATTENDANCE POLICY*

It is important to be present every day in class.  If you are absent, PLEASE have your parent or guardian call or email to excuse you. **Your grade will reflect your attendance in this class**.  If you accumulate 9 days of unexcused or excused absences, you may be subject to being dropped from the class.  You must be in your seat prepared for class before the bell rings or you will be marked tardy.  Tardiness will not be tolerated and is subject to consequences such as lunch detention. A warning will be issued for the 1st tardy.  The 2nd and 3rd tardy will result in a 5 minute detention in a science teacher’s classroom at the beginning of the student’s lunch period.  Any further tardy **after the 3rd** will be subject to **a referral to administration**.  In addition to attending class on time, students must come prepared with the required course materials.

***MAKE-UP POLICY***

* It is the student’s responsibility to obtain missed work.
* Many labs will consist of consumable materials, so timely make-ups are imperative. Labs must be made up after school or by appointment within **1-week of the associated absence** and due 1 week after makeup.
* Late assignments ***will NOT*** be accepted for credit. If the student has an excused absence they have **the same number of days as excused to make up work** for full credit, otherwise assignments turned in after will receive ***zero*** credit. Late laboratory assignments will be penalized 10% per day (including weekends). Time extensions can be given on a case-by-case basis with suitable justification. Students requesting a time extension should meet ***PRIOR*** to actual due date with the instructor to discuss a new due date.

***SAFETY***

This is a laboratory course which utilizes a variety of chemicals. For your safety, **FOOD AND DRINKS ARE NOT PERMITTED** in class. Bottled water is permitted. Closed-toed shoes are required during any laboratory experiments. Any unsafe behavior in the lab is cause for immediate dismissal from all lab activities and referral to the administration for further action.

***CONFERENCE PERIOD POLICY***

Conference period will be on Wednesday and Thursday from 9:19 - 9:44. During this time students are only allowed out of the classroom if they have a pass signed by a teacher or properly designated color club pass. The library is not available during conference. Students should use this time to study or read, NO EXCEPTIONS.

***CELL PHONES AND ELECTRONIC DEVICES***

If electronic devices, such as iPod’s, or cell phones are seen or heard in class they can be collected from the student and brought to a location where a parent or guardian may pick the item up after school.

**Cell Phone cannot be used as a calculator.**

*Keys to Your Success in Chemistry:*

1. Come to class on time and prepared to learn.
2. Give unconditional positive regard to others and to the classroom environment.
3. Obey all safety rules when working in the laboratory.
4. Make a consistent effort !!

**On a final note,**

Learning should be a fun and positive experience. ***Student: you are expected to make an honest effort, achieve to the best of their ability and maintain a positive attitude****.* Please let me know what I can do to facilitate your success in Chemistry.

***Parents and guardians, please feel free to contact me with any questions or concerns regarding your child or the course.*** Together we can make this an exciting year, as we explore how chemistry governs the world in which we live.

As the student, you are responsible for reading and understanding all of the information included in this handout. Keep this copy in your notebook for reference.

**I look forward to an exciting year! Go Bears!**

***DIVERSITY STATEMENT***

*All individuals have a right to an educational environment free from bias, prejudice and bigotry. As members of the Basha High School educational community, students are expected to refrain from participating in acts of harassment that are designed to demean another student’s race, gender, ethnicity, religious preference, disability or sexual orientation.*

**Classroom Procedures and Rules**

1. **Be Polite!!**
2. **Entering the Classroom:** Please enter the classroom quietly and in a timely manner. After entering, quickly locate your seat and get prepared to begin class.
3. **Beginning of Class:** Once you reach your seat, get out a pencil/pen, your daily brain teaser worksheet, and any homework that was due. You are expected to begin your brain teaser immediately once you reach your seat. You will be given approximately 5 minutes to complete the brain teaser.
4. **End of Class Dismissal:** At the end of class, we will wrap up the days lesson, a very important part of the learning process. Please do not begin to pack up and leave until I have dismissed you.
5. **Coming to Attention:** I will get your attention in one of 2 ways. I will either ring a bell or will say “May I have your attention please.” When you hear any of these, I would ask you to 1) STOP what you are doing, 2) LOOK at me, and 3) LISTEN for further instructions. This needs to be accomplished in less than 10 seconds.
6. **Getting into Groups:** When I ask you to get into your groups, quickly (30 seconds or less) and quietly move your desk into the base group formation.
7. **Leaving Class:** Leaving class should be an extremely rare occurrence
   1. Going to the rest room: When you need to use the restroom, double check with me that it is an appropriate time to leave. You must leave your cell phone with me and obtain a pass to do so.
   2. Going to the nurse: Unless you have an emergency, you must obtain a pass from me to visit the nurse.
8. **Moving to Lab Stations:** When it is time to move to your lab stations, please move directly and quietly to the station assigned to you. Only take needed materials (i.e. pencil/lab handout, etc.) with you.
9. **Keeping a Progress Report:** You will be given a form to help you keep track of your progress in this class. It is your responsibility to keep track of your grade in this class.
10. **Paper Headings:** Paper headings should be consistent. In the upper right corner of your paper, please write: 1) Your first and last name, 2) the date, 3) Chemistry, 4) and the period. Title the paper with an appropriate title.
11. **Asking a question:** When you need a question answered, please raise your hand. When asking a question during a group activity, please ask your partner first before asking me, in case they can help answer your question. If you still need my assistance, then please raise your hand and I will get to you as soon as possible.
12. **When you finish early:** When you finish your work early in class, begin working on your homework or read a book.
13. **When you are Absent:** When you return, pick up your missed work in the appropriate folder. You are responsible for completing the work that you missed getting any notes that we took, and arranging to make up any tests or labs that we did in your absence.
14. **Conference Period:** Conference period will be on Wednesday and Thursday from 9:19-9:44. During this time students are only allowed out of the classroom if they have a pass or properly designated color club pass. The library is not available during conference. Students should use this time to study or read.



Chemistry

Course Statement Acknowledgement

2017-2018

Students/Parents:

To view the Chemistry Course Statement online, please go to the BHS website and then click

Faculty > Olsen.Paul. Once on my Teacher Page look to the left side of the page and click “Course Statement & Acknowledgement Form”, then select the proper course statement.

Please read the course statement and return this signed form to Mr. Olsen by Friday July 27, 2018

I acknowledge that I have read over the course statement for Chemistry. I understand the student’s role and responsibilities associated with the course. I understand that if I have any questions or concerns regarding the course grade, content, or requirements, I can contact the teacher through email (preferred) or by phone.

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Parent Preferred Contact Email address Parent Preferred Contact phone number

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Parent/Guardian Printed Name Parent/Guardian Signature

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Student Printed Name Student Signature

This course will utilize the Internet and certain educational movies at school for research and lecture purposes. Please sign below to give your child permission to use the Internet and watch movies in accordance with the Basha High School Electronic Information Services User Agreement, which may be found in the Student Planner. **This paper is for my file only and does not replace the Internet Access Permission Form found on the Student Planner, which must also be turned in.**

**Please indicate your permission by signing below**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Yes, I give my daughter/son permission to have access to Internet and Movies.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ No, I do not give my daughter/son permission to have access to Internet and

Movies.