



Beaver Dam High School **Chemistry** Syllabus



Department: Science
School Year: 2016-2017
Course: Honors Chemistry
Grade Level: 10-12

Required Materials:

- Whiteboard marker (stays in class)
- Red pen
- Scientific Calculator (exponents & logs)
- 3-ring Binder
- Notebook or loose leaf paper
- #2 pencils and erasers
- Ear buds (optional)

Course Resources:

Stacy, *Living by Chemistry*

Prerequisites:

Algebra I, Biology

Course Overview:

Chemistry is a branch of science that explores matter, including its composition and how it changes. This course is designed to give you the opportunity to:

1. Gain conceptual understanding of the central ideas of chemistry
2. Develop the skills and ways of thinking necessary for investigating the world scientifically
3. Apply chemistry knowledge and skills in personal and social contexts

Students must take the course as two terms consecutively. A scientific calculator is required.

Unit Titles:

The Fundamentals of Chemistry, Materials, Chemical Reactions, and Energy

Evidence of Learning (Summative Assessments):

- Quizzes
- Tests
- Projects
- Performance Tasks and Labs

Evidence for Learning (Routine):

- Daily work
- Homework
- Science Notebook
- Participation

Courses at BDHS run in a flexible schedule format. See selection to right for this course's format:

One-Term 90

Two-Term 90

All-Year 45

Other

School-wide Rules will be followed including absences, tardies, academic honesty, no cell phone use, dress-code, and hallway passes. Consult Student Handbook for further information. Be safe, Be responsible, Be respectful, and Be on time!

School-wide Grading Procedures:

Assessments 85%

- Routine (Formative) Assignments 30% (of assessment grade)
- Summative Assessments 70% (of assessment grade)

Cumulative Final 15%

Routine (Formative) Assignments: (this shall constitute 30% of the term grade)

Students will be given opportunities to construct their science knowledge where the grading emphasis will be placed on the process of learning. Some of these routine assessments will be done outside of class as homework and others will be done in class individually or with groups. It is difficult for a student to keep up with the class if routine assessments are not completed on-time. Late work will be docked 10% each day until the unit test or 50%. Per school policy, students that are absent receive one additional day for every day missed to make-up work on their own time to still receive full credit before the work is considered late. It is the responsibility of the student to determine what was missed and make-up any in class work, labs, or homework assignments.

Summative Assessments: (this shall constitute 70% of the term grade)

Our goal is to assess what the students have learned from what we have taught. Summative assessments reflect the format and content of the routine (formative) learning opportunities. Students will be assessed on acquisition, understanding, and transferring their knowledge to new situations.

Make-up Policy for Summative Assessment: Students may redo the summative assessment one time within one week after completing all routine/formative assignments and making corrections to the original assessment. It is the student's responsibility to advocate for this opportunity and make the necessary arrangements outside of class.

Cumulative Final: At the end of each semester, there will be a cumulative final exam. Students will not be allowed to retake this assessment. This will comprise 15% of the semester grade.

School-wide Grading Scale:

A+	100-98	C+	79-77
A	97-93	C	76-73
A-	92-90	C-	72-70
B+	89-87	D+	69-67
B	86-83	D	66-63
B-	82-80	D-	62-60

Contact Information:

I look forward to getting to know you and am excited to help you with your journey in Chemistry!

Teacher Name: Melissa Hemling
Teacher Email: hemlingm@bdusd.org
Teacher Phone: (920)885-7520 ext. 2192
Teacher Website:
www.beaverdam.k12.wi.us/faculty/hemlingm

Help outside of the school day is available by appointment before or after-school.

Parents and Guardians: Keep This Sheet for Future Reference

Chemistry FAQ

How am I (or my child) doing in your class?

Consult Skyward Family Access online at <http://www.beaverdam.k12.wi.us/bd/> (under the Parents tab.) This online gradebook will be updated weekly.

Feel free to contact me. E-mail is by far the most efficient way of contacting me at hemlingm@bdusd.org I am usually available by phone after 3pm at 885-7520 ext. 2192.

When can I (or my child) get help outside of class?

I am also available most mornings after 7am and after-school until 3:30 pm. Make an appointment and I will be happy to help!

Class handouts, calendar, and supplemental material are stored on Google Classroom. There is a “Help” section on my webpage (www.beaverdam.k12.wi.us/faculty/hemlingm) with links to various tutorials and video lectures.

My child is unable to complete a homework assignment and I am unable to help – what do we do?

Your child should put their best guess for the questions and/or write down what they are specifically confused with. They should talk with Mrs. Hemling in the morning to schedule a time for help. They will not be penalized on the assignment if they have their best guess written for each problem AND talk to me before class. This is the only way I know that your child truly didn't understand the assignment versus using “I didn't understand” as a cover-up for forgetting to do the assignment.

The Chemistry Google Classroom contains helpful supplementary material. There is also a “Help” section on my webpage (www.beaverdam.k12.wi.us/faculty/hemlingm) with links to various tutorials and video lectures.

When are you available to talk about my student's progress?

E-mail is by far the most efficient way of contacting me at hemlingm@bdusd.org I am also usually available by phone after 3pm during the week at 885-7520 ext. 2192. It is important to me that all students are successful in my classroom.



Lab Safety Contract: Keep This Sheet for Future Reference

Chemistry is a hands-on lab class. At times, you will be performing experiments that pose the possibility for injury if done carelessly. For that reason, you must always perform your work in a safe manner. It is extremely important for us to use and follow the following safety rules and procedures. You must sign stating that you agree to follow these rules and procedures.

- 1. Goggles must be worn while working in the lab. Do not wear contact lenses.**
2. Read all directions before beginning any experiments. Ask for clarification when needed.
3. Be aware of flames/fire. Never reach across a flame.
4. Point the openings of all heated glassware away from people.
- 5. No food or drink in lab.**
6. Do not eat, drink, or inhale any chemicals.
7. Report all injuries (even minor ones) to your instructor.
8. Be aware of others around while working in the lab.
9. Keep all materials neat and orderly. Only bring essential items into the lab.
- 10. Wash your hands before leaving the lab.**
11. Clean up all spills immediately and report them to your instructor.
12. Avoid baggy and loose clothing. Long hair must be tied back. Closed-toed shoes must be worn.
13. Use proper and functional equipment. Notify an instructor of cracked or chipped glassware.
14. Always get permission from the instructor before performing any experiments.
- 15. No "horseplay" allowed at any time in the lab.**
16. Clean up lab stations and glassware before leaving. No chemical residue should be left.
17. Dispose of chemicals and waste according to the instructor's directions.
18. Know the locations of all the safety equipment in the room (eyewash, shower, etc.)
19. Always perform labs with a lab partner so you can assist each other if an emergency arises.

I have read the lab safety rules and procedures listed above. I agree to abide by these rules and procedures in order to have a safe and fun experience in chemistry this year. Failure to follow these rules will result in a discussion with the instructor, removal from lab, and possible disciplinary action.

SIGN AND RETURN THIS SHEET TO MRS. HEMLING

Please keep the Chemistry syllabus, FAQ, and safety contract for reference

ONLY return this last sheet by Monday.

PRINT Student Name: _____

PRINT Parent/Guardian Name: _____

- I have read and understand the grading policy and expectations for Chemistry.
- I have read and agree to abide by the lab safety contract provided in the syllabus packet.
- I understand that failure to follow the safety rules may result in removal from lab and disciplinary action in order to keep everyone safe.

Student Signature: _____

- I have read and understand the grading policy and expectations for Chemistry.
- I will provide my student with the supplies s/he needs for class by Tuesday.
- I have read and understand the lab safety contract my student is expected to follow and the consequences associated with these rules.
- ***Occasionally the science class may walk off-campus to collect samples for lab during class. By signing this sheet, I give permission for my student to walk off-campus with their science class.***

Parent/Guardian Signature: _____