

OCEAN LAKES HIGH SCHOOL
CLASSROOM EXPECTATIONS 2017-2018
MAGNET ANALYTICAL CHEMISTRY

Mrs. Shoemaker, www.zadosci.com

COURSE DESCRIPTION:

This course introduces students to qualitative and quantitative techniques used in the science laboratory. The course covers the techniques of titration, gravimetric analysis, and spectrophotometry and gives students extensive practical exposure to these techniques in the laboratory. The course introduces the student to full lab reports, lab notebooks, basic statistical data analysis and the use of spreadsheet applications in data analysis. It gives students interested in the fields of chemistry, biology, medical and health studies and research, agriculture, and chemical and biological engineering a foundation on which to build and prepares them for college requirements in these fields.

Prerequisite: Magnet Chemistry

COURSE OBJECTIVES:

Upon successful completion of this course, students will be able to:

1. Perform accurate and precise analysis in the field of analytical chemistry
2. Will be able to keep records of all performed analysis in the manner which is required in modern analytical laboratory.
3. Will be able to do statistical analysis and evaluate repeatability of obtained results
4. Perform quantitative and qualitative analysis of known standards as well as unknown samples.
5. Identify, properly use, and care for equipment and supplies used in analytical laboratory
6. Identify the requirements for adequate protection of personnel from solvents and materials used in the analysis.

MATERIALS:

3-ring binder and loose-leaf notebook paper

Textbook – *Exploring Chemical Analysis*; Daniel C. Harris
General Chemistry; J.A.Beran

Pen (blue/black only) or pencil for all work that is turned in

Bound notebook: Composition or Journal

Lab Manual – *Laboratory Manual for Principles of*
TI-30 or higher (preferred TI-83 or TI-84)

Colored pens/pencils, markers and highlighters for notes

GRADES:

-Nine weeks grades will be determined using a **total points system**. The following represents the types of assignments issued and their approximate point value:

Tests: 100-150 points

Labs: 50-100 points

Quizzes: 20-40 points

Homework: 5-10 points

VIRGINIA BEACH SCHOOLS GRADING SCALE:

Grade Range	Letter Grade	Points	Grade Range	Letter Grade	Points
93 - 100	A	4.0	73-76	C	2.0
90 - 92	A-	3.7	70 - 72	C-	1.7
87 - 89	B+	3.3	67- 69	D+	1.3
83 - 86	B	3.0	64 - 66	D	1.0
80 - 82	B-	2.7	Below 64	E	0.0
77 - 79	C+	2.3			

ATTENDANCE & MAKE-UP WORK:

(VBCPS Policy) Any student who misses more than six class periods will receive a 63/N or the average he or she has earned if it is lower than 63. Attendance will be taken within the first 15 minutes of each class. If you are not present, you will be counted as absent. Our class strictly adheres to the OLHS tardy policy. All students who arrive to class without a pass will be sent to the tardy window. Any student who misses more than 15 minutes of a class will be counted absent for that day.

- Students are expected to make an effort to be in class everyday.
- If absent from class, **it is the student's responsibility** to obtain missed notes.
- Tests and quizzes that are missed **must** be scheduled to be completed within three days and may only be made up during study blocks or after school.

HONOR CODE:

The Honor Code of Ocean Lakes High School embraces the concepts of personal integrity and mutual respect and is the school's acknowledgment of the importance of excellence in all educational endeavors. Knowledge without ethics is both useless and dangerous, and it is the desire of the Ocean Lakes community to ensure that its students understand the importance of having the two work in conjunction with each other. The code is designed to address academic misconduct, and its penalties, are therefore, academic in nature.

"I have neither given nor received unauthorized help on this assignment and pledge to uphold the Ocean Lakes High School Honor Code." – Honor Pledge

TECHNOLOGY – FOR PARENTS AND STUDENTS:

Parent Portal & Student Portal Parents can view student grades by signing up for Parent Portal. Students can access their grades via Student Portal. If you have not already done so, please make sure your family is signed up for access to Parent or Student Portal so you will have the ability to keep track of your grades.

Students must become familiar with **Google Classroom, Remind and zadosci.com** where announcements will often be posted.

Some homework assignments and projects will require the use of a computer. If one is not available at home, students can use a computer at school during It's Academic or after school in the LMC

CLASSROOM EXPECTATIONS:

- 1) The Standards of Student Conduct from the OLHS Student/Parent Handbook are to be followed within the classroom at all times.
- 2) Be prepared for class each day by completing all reading assignments and other homework by their due dates.
- 3) Bring textbook, notebook and writing utensils to each class.
- 4) Be seated and ready to work when the bell rings.
- 5) Assignments will be listed on www.zadosci.com; be sure to check daily.
- 6) Class dismissal (including packing up) is by the teacher and not by the bell.
- 7) Be respectful and courteous to others.

HELP SESSIONS:

Students are encouraged to seek additional help outside of the classroom as needed. Help will be available in room 220 on A days after school on Tuesday, Wednesday and Thursday. I will also be available through email at babette.zado@vbschools.com, students are encouraged to email me questions on homework or any material they may be studying. Please use the following schedule to locate me during the day or to make an appointment for after school.

1A	Analytical/Microbiology	Rm 220	1B	General Chemistry	Rm 232
2A	Analytical/Microbiology	Rm 220	2B	PLC/Planning	Sci. Office
3A	Senior Research	Rm 220	3B	General Chemistry	Rm 232
4A	Planning	Sci. Office	4B	General Chemistry	Rm 232

I am excited about the year ahead and look forward to working with the students. I am here to see them succeed and I know if we all work together we can accomplish this!

Thank you,

Student's name: _____ Block: _____

Parent/Guardian Signature: _____

Mrs. Shoemaker

This sheet needs to be placed in the front of your notebook and kept there at all times.