

# WAC Chemistry Lab Syllabus 2020-2021

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## The lab:

The lab will coordinate with the topics covered in the chemistry course taught at Wellspring Academic Center. However, it is NOT necessary to be enrolled in the academic center course to participate in the lab. We will do chromatography, purify ionic compounds by recrystallization, examine boiling point elevation, observe a composition reaction, titrate acids, measure reaction rates, and observe Le Chatelier's Principle.

ALL lab materials will be supplied. However, the student MUST bring and wear goggles and a large shirt or lab coat and CLOSED TOE SHOES. It is a matter of safety: we will be working with things that will explode, catch fire, and eat through the skin!

## Monthly meetings:

The lab will be held at the home of Mrs. Taylor from 9-11 am the following Wednesdays: 8/19, 9/23, 10/14, 11/11, 12/9, 1/13, 2/10, 3/17, 4/14, 4/21. Sometimes we will do the labs outside on the patio or in the garage. Bring a jacket! Upon registration, the address will be emailed to you.

## Monthly assignments:

A written lab write-up with questions will be due the Monday after the lab meets. If the student has the chemistry course at the academic center, he may hand it to Mrs. Taylor there; otherwise, please email the lab report to the above address.

Students will write a lab summary for some experiments they do. Each lab report will be written on a separate piece of paper with the name and date of the experiment at the top of the page as well as the student's name. The lab write-up should consist of:

1. Materials---complete list of materials
2. Procedure---paragraph summary of what was done
3. Observations---a record of observations made while completing the experiment: drawings and illustrations and photographs go here
4. Conclusions---what was learned? Compare what was seen. Was experiment successful? Why or why not? All questions and answers go here.

## Grading:

Participation	50%
Lab Write-ups	50%

There will be no opportunity for make-up labs; therefore, only one lab may be dropped. Thus, the student will not be penalized for one absence. One final grade will be given at the end of the year.

**Grading scale:** 90-100% A; 80-89% B; 70-79% C; 60-69% D; <60% F