

Chatham High School

Student Lab Assistant Course Request

Student Name: _____

Grade: _____

Counselor: _____

Date: _____

Supervising Teacher: _____

Course: _____

Course Length (Circle One): FY (1 Credit) S1 (.5 credit) S2 (.5 credit)

The lab assistant position will be scheduled in replacement of a study hall. The assistant will work under the direction of a supervising teacher 3 out of the four days in a rotation for a full period. The student will receive a grade of Pass or Fail. ***Requests for lab assistant ship must be received by the second Monday in June.***

Description of Responsibilities:

BIOLOGY

1. Set up labs under the direction of the cooperating teacher.
2. Maintain a safe and organized work environment in the classroom and adjoining prep rooms- keeping all chemicals and materials stored correctly in their designated areas.
3. Organization and manipulation of the lab setting. Examples include develop various solutions through molarity calculations, making agar for student investigations on diffusion, buffer creation, and unknown solutions for investigation/ analysis (urine, vomit, etc). Using accurate measuring techniques
4. Develop skills in preparing biology labs, communicate with other teachers and lab assistants to coordinate and prepare lab equipment, solutions, and lessons.
5. Aid in the development of projects and other curriculum
6. Learn what is required of teacher to prepare lessons and stimulate student engagement
7. Proper disposal of chemicals as directed by teacher.
8. Competent disassembly of lab activity equipment.
9. Consistent and correct use of approved safety procedures.

PHYSICS

1. Set up lab equipment as prescribed by the teacher.
2. Perform lab activity to assess quality of data and appropriateness of activity (for new or revised lab activities).
3. Clean-up and/or relocate lab equipment to another classroom.
4. Inventory lab equipment.
5. Organize equipment in prep rooms.
6. Test lab equipment to ensure proper function and repair (when able) or discard (when approved).
7. Assist or provide input during the implementation of projects or other curriculum related activities.
8. Avoid contact with urine, vomit, and other gross things.

ENVIRONMENTAL SCIENCE

1. Prepare laboratory equipment following procedures outlined by teacher
2. Maintain greenhouse and garden systems (hydroponics, irrigation, soil, compost) and associated materials
3. Prepare, Inventory, calibrate, and store probeware. Repair as needed if possible.
4. Prepare solutions, maintain living organisms, keep glassware clean and organized.
5. Contribute to the lab development process by offering input on procedures and engaging in the science education process.

CHEMISTRY

1. Learn how to prepare solutions, including necessary calculations for the amounts of substances and necessary dilutions.
2. Learn how to assemble and safely use lab equipment including glassware, hardware, and sensors/probes..
3. Learn and practice safe handling of chemicals.
4. Learn how to organize and store chemicals according to their properties and following the MSDS guidelines.
5. Learn and practice managing the flow of materials, from preparing and setting up labs to dismantling and storing.
6. Prepare and update inventories of chemicals and equipment, assemble lab kits.
7. Learn how to properly dispose of chemicals.

Student Signature: _____

Date: _____

Sponsoring Teacher Signature: _____

Date: _____

Parent Signature: _____

Date: _____

Counselor Signature: _____

Date: _____

Approved By:

Principal/AP: _____

Date: _____