**GUIDELINES FOR STUDENT USE OF HIGH SCHOOL PHYSICAL SCIENCE, CHEMISTRY, EARTH SCIENCE AND BIOLOGY LABORATORIES**

The following guidelines have been compiled for the safety of students performing experimental work in physical science, chemistry, biology and earth science classes. **STRICT** observance of the guidelines is recommended. All students are to follow these regulations rather than any conflicting instructions in textbooks or laboratory manuals.

Students and parents are to read these guidelines, sign the form and return it to the instructor. This must be completed before a student can begin any laboratory activity. The student should keep a copy of the regulations in his or her notebook for future reference.

**GENERAL**

Remember that an instructor is required to be present during the performance of all laboratory work. The phrase “under direct supervision of the instructor” means in the presence of and under direct observation of the instructor during the entire operation of an experiment.

The term “laboratory” shall include the lab and its adjacent preparation area(s).

Follow directions exactly.

Perform all experiments carefully and in such a manner as to ensure the safety of all persons.

Perform ONLY those experiments specifically designated or approved by the instructor. Unauthorized experimentation will not be tolerated.

ALWAYS wear appropriate eye protection, as directed by the instructor when working in the laboratory.

ALWAYS use small quantities of materials, unless specifically directed by the instructor to use large amounts.

Report ANY accident to the teacher at once.

**HANDLING EQUIPMENT**

Be sure all containers, such as test tubes, beakers and flasks are clean before using.

Never leave material in containers from a previous experiment as they may cause errors in new experiments or may cause a violent reaction or explosion.

Never force glass tubing into or out of stoppers. Use appropriate lubrication, such as water or glycerin, on stoppers and tubing.

Before heating any apparatus, be sure all the tubing and outlets of the apparatus are open.

Never point the mouth of a test tube toward your face or toward your neighbor while you are heating the tube.

Always slant a test tube when heating it and apply heat along the test tube, not just at the very bottom.

Never drink out of laboratory glassware.

Do not pass your hand or arm over a lighted burner.

Always turn off burners when not in use.

**HANDLING CHEMICALS**

Read labels carefully before taking materials from containers.

Never taste or drink anything in the laboratory unless specifically directed by the instructor to do so. Poisonous substances are not always so labeled. If you taste or swallow any chemical accidently, report the fact, at once, to the instructor.

In case of a burn from an acid or alkali, wash the affected area immediately with plenty of running water. Then report to the instructor at once.

Never add water to an acid (especially sulfuric acid). Instead add acid slowly to the water and stir constantly.

When noting the odor of any liquid, do not put your face directly over the container. Rather, fan a little of the vapor toward you by sweeping your hand above the top of the container.

Dispose of all waste chemicals as directed by the instructor. Never return unused chemicals to containers.

Wipe up immediately any relatively harmless substances spilled on the floor or desktops. Tell the instructor about spills of harmful substances.

Never use concentrated acids unless specifically directed to do so by the instructor.

When working with chemicals that could injury your eye, you must wear eye protection.

**LABORATORY GUIDELINES**

Course title: Biology Teacher: Mrs. Pardue

Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**STUDENT**: This is to certify that I have read pages 1 and 2 of the “Laboratory Regulations” which are prescribed by Murrieta Valley High School and hereby agree to abide by them at all times while in the laboratory.

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 *Student name (printed)*

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 *Student signature*  *Date*

**PARENT OR GUARDIAN**: I have read pages 1 and 2 of the “Laboratory Regulations” and give my consent for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to engage in laboratory activities using a variety of science equipment and materials including those described. I hereby pledge my cooperation in urging that my daughter/son observe the safety regulation which are prescribed by Murrieta Valley High School.

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 *Parent or Guardian signature* *Date*

\*\*\* Students will forfeit the ability to participate in ANY laboratory activities until this is signed.

\*\*\* Students will forfeit the ability to participate in ANY laboratory activities if these regulations are not adhered to.

Safety of ALL STUDENTS is most important!!