

St. Stanislaus School Engineering Club Grades 4-5



Do you want to learn to solve problems like a young engineer?

St. Stan's Engineering Club provides a great engineering opportunity for students who love to design, build, and solve problems using independent thinking, creativity and science skills. Some of the planned challenges involve structures, hovercrafts, egg drops, catapults, bottle rocketry, and electricity. In addition to designing and building solutions to the varied challenges, students will explore the science behind their solutions, all while becoming familiar with the engineering design process.

The engineering club will meet on Wednesday after school, from 2:45 - 3:45. Club meeting dates are listed below:

Jan 16, 23

Feb 6, 13, 27

Mar 13, 20, 27

Apr 10, 24

May 1, 8, 15

The instructor for the St. Stan's Engineering Club is Mrs. Julie Mills.
Space is limited to 20 students.

Safety Agreement and Cost: The attached safety agreement along with a \$20 participation fee must be returned to the school office by Monday, January 14, 2019. Membership is limited to the first 20 students who sign up.

**St. Stanislaus
Engineering Club Safety Agreement**

Engineering is a hands-on endeavor. At times students will perform activities that present the possibility of injury if performed carelessly. For that reason, students must always perform work in a safe manner. To ensure a safe environment, the following rules and procedures must be followed at all times. Before any student becomes involved in the St. Stanislaus Engineering Club, this safety agreement must be read, and the student and parent must sign the agreement. Moreover, as safety is an ongoing process, students must agree to continually assess and reassess the activities that they perform and notify their instructor and classmates of any unsafe conditions, no matter how slight.

Safety Rules:

1. Conduct yourself in a responsible manner at all times. Horseplay, practical jokes and pranks are dangerous to you and your classmates and will not be tolerated.
2. Never work alone. A teacher must be present at all times during any activity involving tools and equipment.
3. Monitor your projects at all times. Do not wander around the room, distract other students, or interfere with the projects of others.
4. Follow directions, both written and oral, carefully. If you do not understand a procedure, ask the instructor before proceeding.
5. Work only on projects authorized by the instructor. Do not touch any equipment or other materials in the classroom that are not for your project.
6. When using sharp instruments (scissors), always carry them with tips and points pointing down and away from your body. Never try to catch a falling sharp object. Grasp sharp instruments only by the handles.
7. Always cut away from your body.
8. Your work area should be as clean as possible at all times: clean as you work when possible. Keep aisles clear.
9. Do not sit on tables or desks. They can collapse and cause injury.
10. Report damaged equipment/tools immediately. Do not use damaged equipment/tools.
11. Report any accident or injury to the teacher immediately, no matter how unimportant it may seem.
12. Understand that all projects will have unique instructions and safety requirements that may not be listed above. Follow all project-specific rules and guidelines as they are issued.

Student Signature: _____ Date: _____

Parent Signature: _____ Date: _____

Parent Email: _____