

STEM Project Saturdays at Sibley Center

Student Name: _____

I give permission for my child to work on a STEM Project and to participate in laboratory experiments as a part of this program. I also give permission for my child to use equipment or procedures that may be dangerous if used incorrectly as outlined below. I understand that there will be adequate adult supervision for each of the activities listed below. As appropriate, there will also be training on safety procedures and protective equipment for my child to wear while participating in the activities listed below.

_____ Lasers — the lasers used will be of low enough power (Class 3 or under — less than 5 mW) that they are safe as long as the student does not look directly into the laser. Students will take part in a safety training to learn to use the lasers correctly, and will work in an area set aside for this activity.

_____ Soldering — soldering involves using a soldering iron set to approximately 700°F to melt metal in order to connect wires to a circuit board to keep the connections secure. The use of the soldering iron will require students to take part in safety training, wear safety glasses, and be located in an area set aside for the purpose.

_____ Hot Plate — students may use a hot plate which reaches temperatures of up to 300°F. The use of the hot plate will require students to take part in safety training, wear safety glasses, and be located in an area set aside for this activity.

_____ Knives, scissors, saws, drills, wire strippers, other cutting and puncturing tools. Students will be taught knife and tool safety and be expected to maintain “Circle of Safety” around themselves when using such implements. Safety glasses and a marked area will be required for the use of such tools if there is any danger that the parts being cut might fly away from the student and hit someone else.

_____ Hot glue, epoxy, super glue — hot glue guns melt a plastic glue stick at temperatures of 240-400°F, which can cause burns, while epoxy and super glue can damage skin. Students using hot glue guns and other kinds of glue will take part in safety training.

_____ Electronics — students will be using direct current (DC) electricity in their projects. Students will work only with low voltages, and so there is no danger from electrical shocks. However, there is a chance that they might create a short circuit, which could cause an electrical part to become very hot, possibly resulting in a minor burn. Students working with electronics will take part in safety training.

_____ Food — some projects will involve the creation of edible products. In such cases, students will only be allowed to taste or eat products that have been created for that purpose using thoroughly washed containers and utensils.

As the parent or guardian of the student named above, I give permission for my child to participate in the activities marked above.

Signed (Parent/Guardian): _____ Date: _____