**Electronics / Soldering Permission**

(Optional)

Would you like your child to be able to use some of their program time for electronics? This involves soldering electronic component (LEDs, resistors, capacitors, diodes, transistors, circuits, switches, etc) to circuit boards. Basics start out with a simple LED flashlight and can keep progressing from there. We’ve found this can be an excellent learning experience for 1st grade on up – but it does come with dangers.

1. Soldering irons get very hot. Solder melts at 230 C / 445 F and we aim for our soldering irons to be set at 300 C / 570 F.
2. Clipping wires often results in flying wires (eye protection necessary)
3. We use a 60/40 solder with flux which contains lead.

To minimize danger

1. We closely supervise students in small ratios
2. We give specific instruction about the dangers
3. We help students show and grow in proficiency
4. We require eye protection
5. Soldering is done in well ventilated spaces

Regardless, serious burn potential, injury from flying objects, and exposure is possible.

Any questions or if you would like to see some of the projects kids have worked on – please contact us 509.656.2304

Would you like your child to participate in electronic programming? / Does your child have permission to participate in Soldering / Electronic programming? **YES / NO** *(circle)*

**Students Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

(no signature required if you circle “no”)