

# Electronics Technology

**CHAIR:** Chris Stephens, Cobham Industries

**CO-CHAIR:** -----

**CONTEST DATE:** April 16, 2018

**CONTEST LOCATION:** Cobham, AvComm, 10200 W York Street, Wichita, KS

**CONTEST TIME:** 8:30 am

**PURPOSE:** To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of electronics technology.

**ELIGIBILITY:** Open to active SkillsUSA members enrolled in programs with industrial electronics or electronics technology as the occupational objective

**CLOTHING REQUIREMENT:** Unless the contest chair says otherwise, students are required to wear the Official SkillsUSA Kansas T-shirt and blue jeans (no tares, holes, or bagginess) clean and neat with appropriate shoes for contest or Official SkillsUSA white polo shirt attire.

*\* Safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)*

Official SkillsUSA Kansas T-shirt attire



Official SkillsUSA white polo attire



**CONTEST UPDATES:**

## Electronics Technology Special Instructions

**Cobham Requirements:**

State issued or school issued photo ID is required at check-in at Cobham.

No visitor cell phones are allowed past the reception area. Cell phones can be checked in and locked up with the receptionist at time of arrival.

Check in will be at the main entrance of Cobham between 8:00am and 8:15am with the front receptionist.

Contest starts promptly at 8:30 am

## Electronics Technology Tool List

**Every Student must bring the following tools and equipment:**

Small Wire Pliers

Wire Cutters

Wire Strippers (28 or 30 gage recommended)

Assorted Small Screwdrivers (Phillips and Slotted)

Other hand tools as desired, Subject to approval by Judges.

Safety Glasses

Soldering Iron (No Soldering Guns allowed)

Solder

Solder Wick (or soldapullt not rework station)

Eye Loop or magnifying Glass

Oscilloscope

Oscilloscope Probe

Portable VM/VOM Multi-meter

Calculator (Scientific Notation is allowed, But cannot be programmable)

**Other Requirements:**

Resume is required of all students attending Skills USA.

#2 Pencil and calculator needed for written part of test.

## Electronics Technology Competition Schedule

<b>8:15 – 8:30AM</b>	Check in
<b>8:30 AM</b>	Brief Overview and General information
<b>8:45 AM</b>	Written Exam begins
<b>9:45AM</b>	10 minute Break
<b>9:55AM</b>	Bread boarding set up and instructions
<b>10:00AM</b>	Bread boarding exercise begins
<b>11:30 AM</b>	Hot Lunch Served By Cobham
<b>12:15 PM</b>	Solder overview
<b>12:20 PM</b>	soldering exercise begins
<b>1:50 PM</b>	10 Minute Break
<b>2:00 PM</b>	Troubleshooting overview and NIDA Instructions
<b>2:10 PM</b>	Troubleshooting Exercise begins
<b>3:40 PM</b>	Troubleshooting Exercise Ends
<b>3:45 PM</b>	Debriefing & Clean-up