

2024 SKILLSUSA Indiana
REGION 4 & 5
TOOL LISTS

ARCHITECTURAL DRAFTING

**** Manual Drafting has been removed. Contest consists of a written test and a CAD design.****

Calculator

#2 Pencils for the Written Test

Please NOTE:

- CAD drawings will be saved internally, backup disks are not needed.
- Please come and do your best!!

AUTOMOTIVE SERVICE TECHNOLOGY

2 - #2 Pencils

Safety Glasses

Leather Shoes - NO TENNIS SHOES

AUTOMOTIVE REFINISHING TECHNOLOGY (Auto body)

2 - #2 Pencils

Safety Glasses

Leather Shoes - NO TENNIS SHOES

Professional quality automotive paint respirator

****You may bring your own paint gun to the competition.****

COLLISION REPAIR TECHNOLOGY (Auto body)

2 - #2 Pencils

Safety Glasses

Leather Shoes - NO TENNIS SHOES

CARPENTRY

Required for EACH student...No Sharing

16oz Claw or Rip Hammer

$\frac{3}{4}$ " or 1" Chisel

Framing Square with Square Locks

Combination or Speed Square

Chalk Line with Chalk

Utility Knife with Blades

Tape Measure 16 Ft. or longer

Leather or Cloth Nail Apron
Rip or Crosscut Hand Saw
Cat's Paw'
25' Electrical Extension Cord
Portable Circular Saw
Safety Glasses with Side Shields & Ear Protection
Pencils

Construction Master Calculator – Pro or V

- NOTE: (1) All contestants must provide a certificate or written documentation, that they have been trained in power tool safety.
(2) Work Shoes – **No Tennis Shoes**
-

INFORMATION TECHNOLOGY SERVICES (Computer Repair)

2 - Pencils

ELECTRONICS TECHNOLOGY

Safety Glasses
Diagonal Cutting Pliers
Long Nose Pliers
Wire Strippers
Non-Programmable Calculator
Soldering Iron with a fine tip (Recommended 20-40 Watt & capable of
Soldering very small components
2 Pencils

Optional Items:

Soldering Stand
Soldering Wick
Magnifying Glass
Other Portable Soldering Aids as Desired

INDUSTRIAL MOTOR CONTROL

Safety Glasses
Diagonal Pliers
Sidecutters
Long-nose pliers
Wire Strippers
Knife

Assorted flat-blade and Phillips screwdrivers
Electrical tape and connectors
Crimping tools
Multimeter
Supplies for drawing ladder diagram (pencil, straightedge, etc.)
Calculator

ROBOTICS AND AUTOMATION TECHNOLOGY

Safety Glasses
Diagonal Pliers
Sidecutters
Long-nose pliers
Wire Strippers
Assorted flat-blade and Phillips screwdrivers

DIESEL EQUIPMENT TECHNOLOGY

2 - Pencils
- Safety Glasses
- Leather Shoes - NO TENNIS SHOES

POWER EQUIPMENT TECHNOLOGY

- Safety Glasses
- Leather Shoes - NO TENNIS SHOES

MASONRY

Brick Trowel (10 – 12” Long)
6’ Wood Folding Brick Spacing Rule with Coarse Counter
2 – Line Blocks
Standard Brick Mason’s Hammer
4’ Level
S Jointer
Brush
12’ Mason’s Line
2 – Pencilss

Safety Glasses
Leather Shoes - NO TENNIS SHOES

MARINE SERVICE TECHNOLOGY

2 - #2 Pencils
Safety Glasses
Leather Shoes - NO TENNIS SHOES

PRECISION MACHINING

Safety Glasses
Calculator
2 Pencils
Leather Shoes – NO Tennis Shoes

NOTE: Do NOT bring any reference materials to the contest!!

ELECTRICAL CONSTRUCTION WIRING

Needle Nose Pliers
Side-Cut Pliers
Cable Strippers
Wire/Cable Strippers
Utility Knife
Standard Screwdriver
Phillips Screwdriver
Tool Apron
Black Magic Marker
Safety Glasses
Leather Shoes – No Tennis Shoes

TECHNICAL DRAFTING

Calculator (optional)
2 Pencils (regular #2)

NOTE: Contestants may NOT bring floppy disks, CDs, USBs or any device that will store electronic data. Additionally contestants may NOT bring calculators, telephones, pagers or any device that will send, receive or store electronic data.

WELDING

Welding Helmet
Clear Safety Glasses
Cutting or Welding Goggles #5 or #7
Soapstone
Oxygen Fuel Tip Cleaner
Oxygen Fuel Striker
Tape Measure
Chipping Hammer
Combination Square
Wire Brush (Carbon Steel)
Slipjoint Pliers
Diagonal Cutting Pliers
Pocket Calculator

REQUIRED for Contestant Safety

1. Approved safety glasses
2. Leather work boots (6" minimum height)
3. Leather welding gloves
4. Clothing – No holes or frayed cuffs
5. Cloth Cap (solid)
6. No dangling jewelry or rings.

NOTE: All the above safety requirements must be met or the contestant will NOT be allowed to participate!!

STUDENT SAFETY IS OUR MAIN CONCERN!!!

NOTE: Welds will be on display for approximately 30 minutes immediately after the contest. No advisors or observers are to be in the contest area during the contest.