

# SkillsUSA Indiana 2026

## State Interior Carpentry Competition

To evaluate each competitor's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of Interior / Finish Carpentry.

**ELIGIBILITY** - Open to active SkillsUSA members enrolled in career and technical programs with carpentry, cabinetmaking, and millwork as an occupational objective.

### **ATTIRE**

- Official Indiana SkillsUSA tee shirt (no specific school logo shirts will be allowed)
- Blue jeans or work style pants
- Black, brown, or tan work shoes (no smooth soled boots or shoes)

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

Both the instructors and the competitors certify that by registering for this competition that the competitor has received instruction and has satisfactorily passed examination on the safe use of the following hand and power equipment that may be used in the competition:

- Hand saw
- Coping saw
- Biscuit Joiner
- Cordless Brad or Finish Nailer
- Cordless Drill/Driver
- Hand Plane
- Power Miter Saw
- Wood Chisels

Both the instructors and the competitors certify that SkillsUSA Inc., Indiana Association of SkillsUSA, technical committee, and judges are released from all responsibility and liability relating to personal injury resulting from the use of all equipment provided within the competition area. Competitors will be removed from competition if proper training has not been provided and/or the equipment is used in an unsafe manner.

### **SUPPLIED BY THE TECHNICAL COMMITTEE**

- Workstations and temporary walls for competitors
- Power source for electric tools and battery chargers
- All building materials needed for the competition.

### **SUPPLIED BY THE COMPETITOR**

- Power Miter Saw (10" or 12", in good working condition with all safety components)
- Miter saw stand or saw horses and 3' x 4' plywood work surface
- Saw Blade (suitable for interior trim and finish carpentry work)

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- Cordless Drill/Driver
- Cordless Brad or Finish Nailer (no pneumatic tools will be allowed)
- Tool belt or shop apron
- Trim hammer
- Wooden or rubber mallet or Dead Blow hammer
- Measuring tape and/or folding rule
- Framing Square
- Combination Square
- Pencils or mechanical pencils
- 1/32", 1/16", 3/32" nail set
- Block plane
- Utility knife
- One only - backsaw, dovetail, or pull saw.
- Two hand-screw clamps or two "F" style clamps with a maximum opening of 8"
- One set 1/4"-1" wood chisels
- One set of flat blade and Phillips-head screwdrivers and/or handle with interchangeable bits
- Sanding block
- Hand scraper/cabinet scraper
- Calculator
- Masking or painters' tape
- Sandpaper (80–220 grit)
- All competitors must create a one-page resume. See "Resume Requirement" below for guidelines.

**Note:** Not all tools are required, and **NO** additional tools will be permitted.

### RESUME REQUIREMENT

Competitors must create a one-page resume and bring this with you to orientation. Failure to submit a resume will result in a 10-point penalty.

### PROHIBITED DEVICES

Cellphones, electronic watches and/or other electronic devices not approved by a competition's technical committee are **NOT** allowed in the competition area. Please follow the guidelines in each technical standard for approved exceptions. Technical committee members may also approve exceptions on-site during the competition if deemed appropriate.

### PENALTIES FOR PROHIBITED DEVICES

If a competitor's electronic device makes noise or if the competitor is seen using it at any time during the competition, an official report will be documented for review by the Technical Committee. If confirmed that the competitor used the device in a manner which compromised the integrity of the competition, the competitor's scores may be removed.

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### KNOWLEDGE PERFORMANCE

The competition may include a written test.

### SKILL PERFORMANCE

The competition consists of workstations that require the measuring, cutting, fitting, and installation of interior trim and finish carpentry materials as specified on drawings supplied to each competitor.

Competitors will demonstrate their ability to perform jobs or skills selected from the following list of competencies as determined by the technical committee.

### COMPETITION GUIDELINES

- Read drawings, generate cut list, and cut parts using a hand saw, miter saw, coping saw. In addition, the parts must be accurately assembled, sanded, and adjusted to the specified tolerances.
- Competitors will be given all necessary information by verbal instruction and drawings of articles to be constructed. Competitors will use joinery techniques as specified.

### STANDARDS AND COMPETENCIES

- Cut trim, mouldings, and lumber to specified dimensions or from calculations acquired from the construction drawings. Techniques may include the following:
  - Mitered flat stock
  - Mitered crown moulding (inside and outside corners)
  - Compound miters
  - Cope cut mouldings
- Install these components as specified.
- Apply adhesives as needed.
- Install functional and decorative parts including hinges, locksets, handles or pulls, etc. as specified.
- Design and Layout
  - Determine materials and cut list from drawings provided
  - Finish surfaces
  - Clean surfaces
  - Remove excess glue
  - Sand and prep surfaces ready to be finished

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### COMMITTEE IDENTIFIED ACADEMIC SKILLS

The technical committee has identified that the following academic skills are embedded in this competition.

#### Math Skills

- Use fractions to solve practical problems
- Use proportions and ratios to solve practical problems
- Simplify numerical expressions
- Solve practical problems involving percentages
- Measure angles
- Find surface area and perimeter of two-dimensional objects
- Apply transformations (rotate or turn, reflect or flip, translate or slide, and dilate or scale) to geometric figures
- Construct three-dimensional models
- Apply Pythagorean Theorem
- Solve practical problems involving complementary, supplementary, and congruent angles
- Use measures of interior and exterior angles of polygons to solve problems
- Find arc length and the area of a sector

#### Language Arts Skills

- Provide information in conversations and in group discussions
- Provide information in oral presentations
- Demonstrate use of such nonverbal communication skills such as eye contact, posture and gestures using interviewing techniques to gain information

#### Language Arts Standards

- Students adjust their use of spoken, written and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.
- Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes.
- Students apply knowledge of language structure, language conventions (e.g., spelling and punctuation), media techniques, figurative language and genre to create, critique and discuss print and nonprint texts.
- Students use a variety of technological and information resources (e.g., libraries, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge.
- Students use spoken, written and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and the exchange of information).