

# Construction Technology

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**CHECK IN: 8:30 am      CONTEST BEGINS: 9:00 am**

**CLASS:**

Construction Trades

**ELIGIBILITY:**

Refer to General Information and Rules page.

**SCOPE OF CONTEST:**

1. The first section will be a short written test and will include shop math, identification of tools and/or machines, reading plans, and print details.
2. The second section will be manipulative and will require a four-student team to layout, cut and assemble a free-standing wall using hand tools and basic power tools. Each team will be scored on the following:
  - Reading of blueprints or drawings
  - Demonstration of safe work skills
  - Quality of work
  - Proper use of tools and materials
  - Organizational skills, including ability to work with others
  - Time (manipulative only)

**SPECIAL NOTES:**

1. In the event of power equipment malfunction, contestant will revert to the use of comparable hand tools.
2. Both written and manipulative portions of the event will be completed in a maximum of 3 HOURS.
3. A sample plan will be sent to contestant's school TWO WEEKS PRIOR to the contest.

**EQUIPMENT AND MATERIALS:**

To be supplied by chairperson:

- Portable power tools
- Building material
- Work area

To be supplied by contestant:

- Safety glasses
- Pencil(s)
- 16' to 30' tape measure
- Calculator
- Combination or tri-square
- Framing hammer

**TIME:**

Contest to begin at 9 a.m. sharp. Bring a sack lunch. Snack bar will be available on site.

**TIE BREAKER:**

Ties will be broken by the highest score in the carpentry math test.