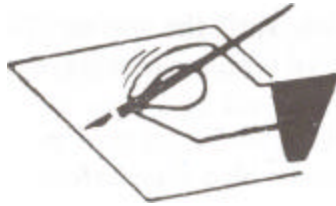


# WRITE IT /DO IT

**DESCRIPTION:** Technical writing skills are an important part of an engineer's or a scientist's abilities to communicate precisely and clearly. This event will test a competitor's ability to effectively communicate with a colleague in writing by having their partner construct a device from this written description.

**APPROXIMATE TIME:** 55 Minutes

**A TEAM OF:** 2



**THE COMPETITION:**

1. A student is shown an object, a system, or an arrangement built from blocks, science equipment, science materials, Tinker Toys, Lego's, Construx, Lincoln Logs, straws and pipe cleaners or other inexpensive materials. Although, students may be sharing models, the ideal situation would be for each team to have their own object to look at or a model for every 3-4 students.
2. The student has twenty-five (25) minutes to write a description of the object and how to build it. There will be no advantage to finishing early. Only words and numerals may be used. Symbols, drawings and diagrams are not allowed, with the exception of these common editing symbols: strikethroughs for deletions, underlining, highlighting, circling a paragraph/word with an arrow for replacement of a paragraph/word and an “^” for insertions. All abbreviations must be defined either at the beginning or when the abbreviation is first used. Any improper use of any of the above will result in the team being ranked below other teams or disqualification at the discretion of the supervisor.
3. The supervisor of the event will pass the description to the remaining team member who will take the description and attempt to recreate (build) the original object in twenty (20) minutes. If every student has an original object, the ideal situation is to have them disassemble their device and have the doers come into the same room.
4. Regional, State and National tournaments will not use the same materials two years in a row.

**SCORING:**

The team, which builds the object nearest to the original and has properly written instructions, is declared the winner. Those teams with improperly written instructions will be ranked below other teams. A point will be given for each piece of material placed in the proper connection and location compared to the model. Pieces that are connected correctly beyond the incorrect connection will be counted in the score. No penalty will be assessed for parts that were not used. Time for the construction phase only may be used as a tiebreaker. If additional tiebreakers are needed, orientation of pieces may be considered.

*National Science Education Standard p 170 Content Standard G: Science as a human endeavor "Some scientists work in teams and some work alone, but all communicate extensively with others"*

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