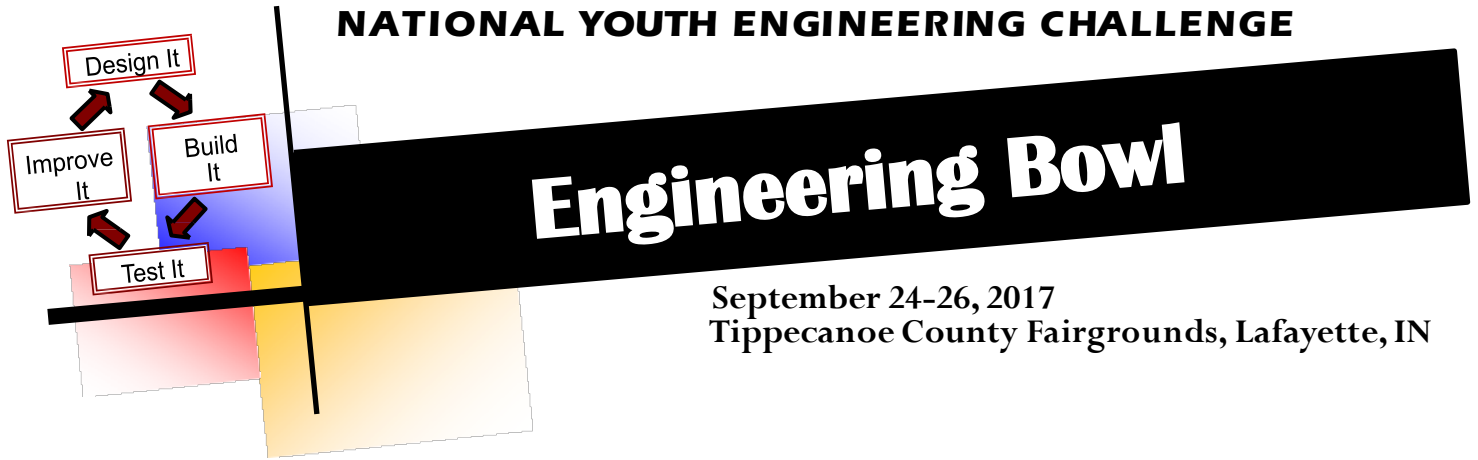


## NATIONAL YOUTH ENGINEERING CHALLENGE



September 24-26, 2017  
Tippecanoe County Fairgrounds, Lafayette, IN

### Eligibility

The Engineering Bowl is designed to encourage states to send one (1 or 2) contestant to each contest of the Engineering Challenge.

States with five or more contestants will participate in the Engineering Bowl. States with fewer than five contestants will participate as follows:

1. State delegations with fewer than 5 contestants will be combined into multi-state teams with 5 to 10 people per team.
2. The Chair of the Engineering Bowl committee will determine the state combinations.
3. The first priority in forming the teams is to include as many of the project areas as possible on each team. The second priority will be geographic.
4. Seeding of all teams will be determined by written test scores.

### “Seeding” or Placement

Teams will be seeded based on scores in the written exams, translated to a percentage basis. With 16 teams, in the first round Team 1 vs. 16, Team 2 vs. 15, and so on. For any number less than 16 the higher ranked teams would have a bye to the next round.

### Question Format and Procedure

- Round 1 (or the first half) of each contest will include questions on Small Engines, Lawn Tractor, Bicycle and Welding. Contestants at this time would be: Small Engines, Lawn Tractor, Bicycle and Welding.
- Round 2 (second half) would contain questions on Tractor, Computers, Electric, and Aerospace. Contestants at this time would include: Tractor, Computer, Electric, and Aerospace.

A team with any “missing” contestants will substitute others so there are 5 participants in each round.

The competition is a “free-for-all” using electronic equipment which locks out all but the first one to buzz in. After being identified by an official, the person has three seconds to begin answering the question. If the first answer is wrong, the other team has an opportunity for one member to answer.

### **Scoring**

All questions count 10 points. There is no penalty for an incorrect answer. In case of a tie the first team to answer three additional questions will be the winner.

### **Officials**

The following officials are needed: 1 Moderator, 1 Chief Judge, 2 Appeals or Backup Judges, 1 “Identifier” and Timer, 1 Official Scorekeeper, and 2 Scoring Assistants.