Chapter Registration Limits

1) Applied Math - Individual Event – Maximum 10 per school.
2) Bridge Building - Individual Event – Maximum 5 per school.
3) Job Skills Demonstration A – Individual Event – Maximum 5 per school.
4) Job Skills Demonstration Open – Individual Event – Maximum 5 per school.
5) Metric 500 – Individual Event – Maximum 5 per school.
6) Mousetrap Vehicle Distance - Individual Event – Maximum 5 per school.
7) Mousetrap Vehicle Speed - Individual Event – Maximum 5 per school.
8) Mouse Traptor Vehicle Pull - Individual Event – Maximum 5 per school.
9) Opening and Closing Ceremonies – Team of 7 – Two teams per school. (National Competition)
10) PowerPoint Presentation – Team of 2 - Three teams per school.
12) Quiz Bowl – Team of 4 – Two teams per school.
13) Team Engineering Challenge – Team of 3 - Three teams per school. (National Competition)
14) Robotics: Urban Search and Rescue – Team of 2 – Two teams per school. (National Competition)

Each competition team is composed of two students who work together to design and build a remote-controlled robot using a TETRIX® Building System or other approved parts. The robots have an on-board camera and sensors so that students can guide them remotely, a safe distance from the simulated danger zone. Students must also complete a written test and prepare an engineering notebook, complete with designs, for the technical presentation portion of the challenge. - See more at: https://www.pitsco.com/About/?art=7443#sthash.g9qKgoRX.dpuf

You will need to make sure you can sync your camera with the TV monitor that is provided or you can bring your own monitor to use in the contest. We will need to figure out the video feed from the online camera to the monitor.
(Control system and power electronics including 4-channel 2.4 GHz R/C transmitter (up to 6 channels are allowed), receiver, DC motor controller, rechargeable battery pack, and charger 900 MHz wireless video camera system) (Note: The Pitsco-specified camera is not required.)

Updated 1/22/2018