

**Power Tech:
Youth Technology Creativity Contest**

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As an engineering and technology education teacher at Lowndes High School, I see the importance and impact of problem-solving abilities, creativity and engineering in my students everyday.

Through the Power Tech activity we plan to help stimulate middle-school students' thinking skills through hands-on problem solving in working to create a mechanical model that will compete against student models from many area schools.

Students will be trained by Technology Student Association members from Lowndes High School and then form teams of four to start designing, building, and testing a mechanical robot that will race, pull, and climb in a competition with students from the local area . . . and possibly from around the world!

Our main objective is to encourage and develop scientific and technological creativity in our middle-school students. Participating contestants are required to record the problems and difficulties they encounter during the robot design and development process by entering such data into a journal or log. This will help contestants monitor their own creative processes and therefore increase their problem-solving potential.

To be successful in today's competitive world, students will need the ability to solve complex problems through creative and innovative thinking. Come join in the excitement and watch these young creative minds at work!