



FLL: 2007 POWER PUZZLE

With the 2007 FIRST LEGO League (FLL) Challenge, Power Puzzle, FLL teams will try to piece together the best solution to one of the world's most significant challenges: how to create sustainable options to meet our planet's growing energy needs in a way that is good for the environment. The Power Puzzle Challenge will ask teams to explore how energy production and consumption choices affect energy sources and evaluate the impact on their communities and the world.

“ Meeting our future energy needs may be our greatest challenge. It will affect our ability to handle poverty, the environment, hunger, and peace versus war. As overwhelming as that may sound, I know that the kids of today are up for the challenge. The collective impact of each individual makes all the difference. ”

John W. Weidner, Ph.D.,
Professor and Interim
Associate Dean for Research,
College of Engineering and
Information Technology,
University of South Carolina



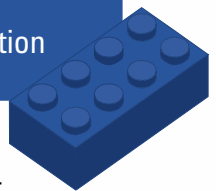
Power Puzzle missions include:

- Personal transportation
- Conservation
- Efficiency
- Fossil fuels
- Biofuels
- Nuclear power
- Hydro power
- Solar power
- Wind power
- Power grid connection

FLL teams will:

- **Examine** complicated, interdependent problems from multiple angles in a team building environment
- **Build** and program a robot to turn ideas into results through a fun, hands-on dynamic learning experience
- **Research** and present their own creative solutions and begin to comprehend how their contributions can make a positive difference in our world

Power Puzzle presents a broad, balanced view of our energy challenges, with attention to the interrelated pros and cons of the many ideas and choices we are faced with for the future.



For more information

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usfirst.org ■ firstlegoleague.org