

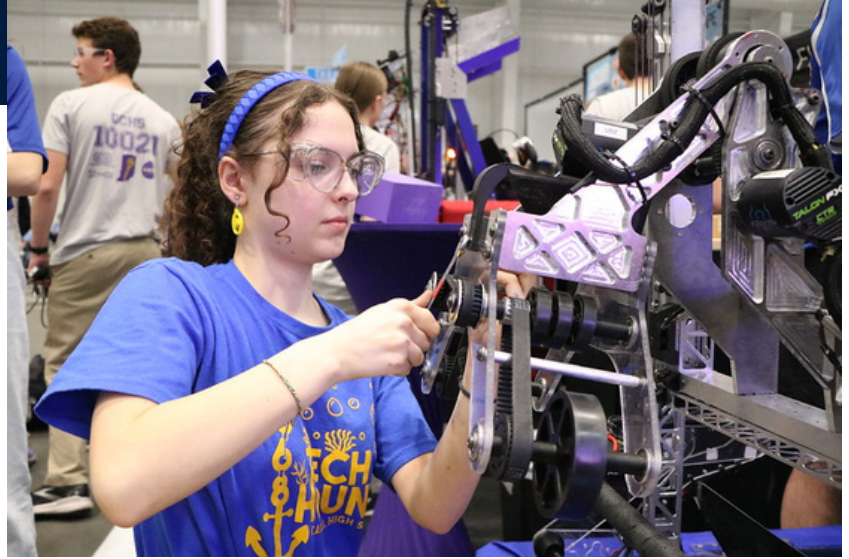
Please support HB44

Advanced Manufacturing Through Robotics Act

A Strategic Investment in Kentucky's Talent Pipeline

The Challenge

- Advanced manufacturing–aligned robotics programs require CAD, fabrication, microcontroller programming, and hands-on assembly/repair.
- These programs are expensive and time-intensive for schools to sustain alone.
- Access varies by district, often depending on one teacher champion.



Why Robotics Matters

- Builds real technical competencies: CAD, programming, fabrication, electronics.
- Mirrors industry processes used in advanced manufacturing, engineering, and automation.
- Develops systems thinking, troubleshooting, and iterative problem-solving.
- Gives students hands-on experience with tools and technology used in the workplace.



Why State Support is Essential

- Ensures robotics programs are sustainable, not dependent on a single teacher or local fundraising.
- Creates a consistent statewide structure schools can rely on year after year.

What the legislation does

- Establishes a statewide Robotics Grant Program.
- Funds equipment, technology, and program costs.
- Supports teacher training and retention.
- Prioritizes advanced manufacturing technical skills.

Impact for Kentucky

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This was a whole new world to me as a teacher and coach, and to my kids as well. I think it really opened their eyes to so many things, and I could see their confidence building in talking to other teams. I am so proud of thier hard work, and just an event like this to challenge and encourage them for many years to come in this area!

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We urge your support for establishing the Kentucky Robotics Education Program to build the workforce our state needs.