



### Quotes:

1. My motivation was to create a robotics program different than the one that they offered at the high school, with a broader reach.
    - a. 3:45
    - b. Audrey Strickling
  2. I think the robotics team is the best experience I will have in high school because it's learning how to take responsibility... It's learning how to think fast, think on your feet, and function in the professional world.
    - a. 9:40
    - b. Audrey Strickling
  3. We're in a really unique spot in our district because they've incorporated a robotics class, so they've seen the value of our program and the learning that's taken place, and they've embraced it.
    - a. 17:10
    - b. Angela Hattman
  4. There are 1,000 ways to solve one problem, and giving students the room to figure it out for themselves is a super important part of mentorship that some adults don't recognize.
    - a. 20:00
    - b. Audrey Strickling
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### Titles:

005: Robotics in K-12: Helping Students Make Decisions, Solve Problems, & Experience the World | with Angela Hattman & Audrey Strickling

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### Author Tags:

Annalies Corbin from PAST Foundation with Angela Hattman & Audrey Strickling of Upper Arlington High School

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### Notes:

Our guests are Angela Hattman, a fabulous Science Teacher at Upper Arlington High School and the fearless teacher who volunteered to help students start a robotics team, and Audrey Strickling, one of the high school students that helped found the UAHS FRC BearBots.

We talked with Andy Bruening and Tyler Hertenstein in episode six about the FIRST robotics program, which provides some context into the broader implications of these programs, but Angela and Audrey help us unbox what it means to not just start a team, but how doing so provides meaningful educational and life experiences for students.

#### **We unbox:**

- Why Angela and Audrey decided to start a robotics team
- How starting this team has impacted the entire school's culture
- The financial implications of starting a robotics program
- The BearBots growing 3x between their first and second years
- How robotics programs help students make decisions, experience the world in new ways, and develop critical career skills
- What robotics students are looking for from their mentors
- Managing parents and parents' expectations when you are starting a robotics team
- How a new robotics team is like running a new startup business
- What you should do first if you start a robotics team

#### **Resources:**

- See the FRC BearBots in action: <https://twitter.com/uahsbearbots>
- Start a FIRST Robotics Team: <https://www.pastfoundation.org/start-a-first-robotics-team>

*Learning Unboxed is produced in part by [Crate Media](#)*

*Recorded by Eric French at [WOSU Studios](#) in Columbus, Ohio*