



# FIRST TECH CHALLENGE (FTC)

4-H PROJECT CLUB INFORMATION || BLACK HAWK COUNTY

*Are you interested in robotics! First Tech Challenge is a robotics team for youth in 8th grade and older who are interested in designing machines, processors necessary to assemble robots, and the construction of machines.*

*FIRST Tech Challenge teams design and build a robot using a reusable kit of parts and compete within a common set of game rules to play an exciting field game and complete the specific season challenge. The robot game changes every season and is always a blast!*



## CLUB MEETING INFORMATION

Meet twice a week on Tuesdays and Saturdays in Dunkerton.



## REGISTRATION

If you are interested in joining our First Tech Challenge Team please call the Black Hawk County Extension Office at 319-234-6811.



## COMPETITIONS

Our team prepares for several competitions throughout the year and the competition generally kicks off in January of the year. The regional competition is usually in late March.

Build and practice season typically runs from September through January. Qualifying season is generally from October through February, and state and regional championships generally take place from December through March.



## WHAT PRACTICES LOOK LIKE

Our team meets twice a week during the build and practice season. We focus on team building, organizing our tools and parts to establish a system, brainstorm techniques and get input from everyone, work on implementing the selected solution and plan to meet the challenge.



## FOCUS FOR THE SEASON

For 2021-2022 season teams will explore the future of transportation.

From shipment of packages in rural and urban areas, to disaster relief delivery and high-tech air transit, teams will re-imagining faster, more reliable, inclusive, and sustainable transportation innovations that better connect and grow communities and economies around the world.



## Questions? Contact Black Hawk County 4-H!

### Black Hawk County Extension & Outreach Office

Address: 3420 University Avenue, Suite B, Waterloo, IA 50701

Office Phone: 319-234-6811

Facebook @ Black Hawk County Outreach & 4-H

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IOWA STATE UNIVERSITY  
Extension and Outreach



**JOIN 4-H NOW!**

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Age \_\_\_\_\_ County \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Postal / Zip Code \_\_\_\_\_

Email (If you are under 18, please provide your parent's e-mail address.) \_\_\_\_\_

Phone \_\_\_\_\_ School You Attend \_\_\_\_\_

**I'M INTERESTED IN...**

Preferred Method of Contact  
 Phone  Email

- |  |   |
|--|---|
| <input type="checkbox"/> ANIMALS (PETS)      | <input type="checkbox"/> ROBOTICS         |
| <input type="checkbox"/> ANIMALS (LIVESTOCK) | <input type="checkbox"/> ROCKETS          |
| <input type="checkbox"/> COOKING             | <input type="checkbox"/> SPORTS           |
| <input type="checkbox"/> FASHION/CLOTHING    | <input type="checkbox"/> SCIENCE          |
| <input type="checkbox"/> FOOD & NUTRITION    | <input type="checkbox"/> SEWING           |
| <input type="checkbox"/> HEALTHY LIFESTYLES  | <input type="checkbox"/> SHOOTING SPORTS  |
| <input type="checkbox"/> LEGOS               | <input type="checkbox"/> VIDEO PRODUCTION |
| <input type="checkbox"/> MUSIC               | <input type="checkbox"/> WOODWORKING      |
| <input type="checkbox"/> PHOTOGRAPHY         | <input type="checkbox"/> OTHER            |

**319-234-6811**



Children in kindergarten through 3rd grade can participate in Clover Kids, which offers hands-on activities designed to build life skills and foster new friendships. No cost for Cloverkids.

Iowa State University Extension and Outreach programs are available to all without regard to race, color, national origin, religion, sex, age, or disability.

 **IOWA STATE UNIVERSITY**  
 Extension and Outreach

To see current activities go to:

**[www.extension.iastate.edu/blackhawk/4h](http://www.extension.iastate.edu/blackhawk/4h)**

**Join a 4-H Club,  
 Meet New  
 Friends!  
 Take projects  
 to the Fair!  
 Or Join a  
 Speciality  
 Club like**

- Legos
- Shooting Sports
- Horse & Pony

Cost for 4th Grade & older is \$15.00 per year.

Call 319-234-6811  
 for more info  
 or mail this form  
 back to:  
 Black Hawk Extension  
 3420 University Ave., Ste.B  
 Waterloo, Iowa 50701



**Mission Statement**

**EMPOWERCHILDREN**  
 TO REACH THEIR FULL POTENTIAL  
 THROUGH CHILD-CENTERED AND  
 RESEARCH-BASED EXPERIENCES.