

What is Botetourt 4-H Robotics?

Botetourt 4-H Robotics is a youth-led team of members who share one common interest - a desire to learn more about STEM-related activities that include designing, programming, and constructing robots while accomplishing one or more challenges. Our robotics team also allows students to learn about the engineering process, critical thinking, business management, communication, and more.



Virginia Cooperative Extension Botetourt County



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Botetourt 4-H FRC Robotics Club



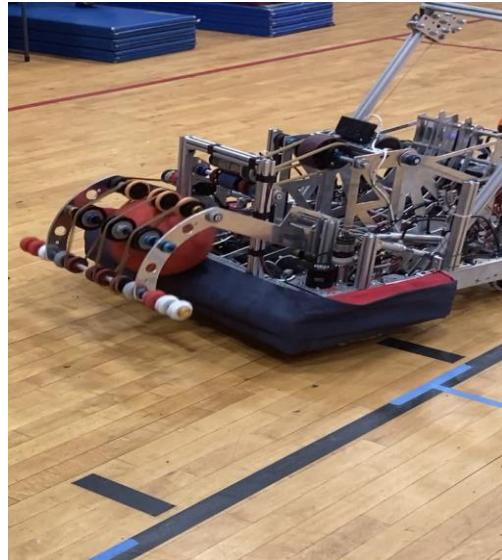
*For rising 8th to 12th
Graders in Botetourt
County*



BOTETOURT 4-H FRC ROBOTICS CLUB

What We Do...

Our team creates robots to compete in the FIRST Robotics Competition against teams across the entire world. We create our robots based on a “game” created by FIRST each year while practicing all elements of STEM. All our student members cooperate to create every aspect of the robot using skills such as design philosophy, engineering, wiring, soldering, and much more. Every member has their part to play in creating the best robot that we can.



Here's our robot from our last season!

What Do We Learn?

Creating a robot requires a plethora of different skills. Our team allows students to learn essential skills such as:

- Engineering Process
- Design Philosophy
- Wiring
- Soldering
- Usage of Machinery and Tools
- Business Skills
- Safety

What is the FIRST Robotics Competition?

The FIRST Robotics Competition (FRC) is an international robotics tournament that our team competes in. It comprises building a robot to play in a different “game” created each year. These games can have elements ranging from shooting balls, moving crates around, or even climbing on bars with your robot. Teams compete in 3 versus 3 games to see who can score the highest and potentially move on to the District or World Championships. For more information, go to:

<https://www.firstinspires.org/robotics/frc>

Frequently Asked Questions

Q: How old do I have to be to join?

A: We accept members that are rising 8th graders or older, however we will make exceptions for mature younger students.

Q: Do I have to have any experience to join?

A: Nope! One of the main goals of our robotics team is to help you learn skills that will help you throughout your life.

Q: How do I join?

A: Email Tyler Painter at tpaint85@vt.edu to register and get more information on when we meet.

