



BERKELEY COUNTY 4-H STEM

WHAT WE REPRESENT

Berkeley County 4-H STEM is a 4-H club operating under the WVU Extension Office in Berkeley County. Unlike many 4-H clubs, our group has a specific focus on Science, Technology, Engineering, and Math (STEM). There is no cost for members to join and receive access to activities that include computer programming, robotics, critical thinking, project design, as well as all other aspects of 4-H.

We strive to increase the knowledge and understanding of our students by participating in activities and competitions that foster "learn-by-doing" exploration in science, technology, engineering and math.



ACTIVITIES & BENEFITS

Membership in our club includes potential participation in one of our many competition teams. We have teams for many skill levels, as well as varied skill-sets. One of our core relationships is with the FIRST (For Inspiration and Recognition of Science and Technology) organization. FIRST sponsors National and International robotics competitions that our teams join each season. We travel to Maryland, Virginia, Pennsylvania, North Carolina, and points all over the state of West Virginia to compete.

TEAM ORGANIZATION

Our club currently includes between 25 and 35 members. We have 2 club leaders, and 7 adult mentor/volunteers. We could not function without the dedication of the volunteers who help to organize, coach, and administer the many tasks the club requires at any given time. We have mentors that assist in specific areas that include engineering, computer programming, team building, and project management.



TEAM IMPACT

We are very proud of the many areas in which our members have excelled over the club's ten years. Our robotics teams win awards at all age levels and in multiple competitions. Our well-rounded members are also recipients of awards in local and regional science fair competitions, local and national band and vocal groups. They attend STEM camps and events. Our members continue to impress us as they embody the 4-H motto to "Make the best better."

Awards and Accomplishments

- The FTC team was invited by NASA to represent FTC in WV at the renaming ceremony of the Katherine Johnson Independent Verification and Validation facility. The team and mentors met with the NASA Administrator, Astronauts, Senators, as well as the daughters of Katherine Johnson herself. It was an amazing honor.
- Since 2017, our FLL teams have qualified for, and participated in, the WV State Championship event. They regularly earn Robot Game, Core Values, Project, and Robot Design awards.
- In 2019, our First Tech Challenge robotics team, The Partytime ^s, was the highest ranked WV team at the State Championship at Fairmont State University. The team also earned a spot in the finals at the Mountain Maryland Qualifier in early 2020.
- Our FTC team, PartyTime^s, has competed for the last 2 seasons in the FIRST Chesapeake region winning multiple awards at the Qualifying and Championship level.
- In 2017 our World Robotics Olympiad team finished as one of the top ten teams in the Nation
- Teams have won at Shepherd University RoboFest, Fayette County Race Day, and WV State 4-H Robotics Competitions. The FTC team received a Collins Aerospace Innovate Award at the Mountain Maryland Qualifier.



Berkeley County 4-H STEM thanks you for your consideration and assistance in helping our youth members pursue a lifelong learning interest in STEM education. Please feel free to ask questions at any time of our members and/or contacts.



OUR SPONSORSHIP NEEDS

There are many costs involved in running a STEM focused group. The FLL and FTC teams continue to grow in size, and opportunities for them are expanding. Most importantly, we want to continue to provide STEM learning opportunities for any club member because that is the main goal - **LEARNING**. The following outlines a few specific costs and items that we need for our robotic teams. In addition to these costs, we also have need for general funds for special events and STEM related activities.

Robotics Competition Budget

Item	Number Needed	Single Item Cost	Total Cost
FLL Registration	3	\$250	\$750
FLL Field Pieces	2	\$100	\$200
FTC Registration	1	\$795	\$795
FLL Spike Prime Robot	1	\$495	\$495
FLL Event Cost	4	\$50	\$200
FTC Robot Materials Cost Parts specific for new season			\$1000
Spike Prime Expansion Kit	1	\$115.00	\$115.00
FTC Field Pieces (Season Specific)	1	\$400	\$400
FLL & FTC Team Shirts	30	\$12	\$360
FLL & FTC Event Banner	1	\$300	\$300
		TOTAL	\$4615

ARE YOU A STEM PROFESSIONAL?

If you have a background in a STEM related field, we would love to talk! We are always looking for ways to expose our club members to the breadth of STEM related jobs. Your involvement could be one-time or ongoing as a mentor, a presenter, a special guest, etc.

Sponsorship Form



BERKELEY COUNTY 4-H STEM

Bronze Level

\$0 - \$99

Donor logo and information on all literature and handout materials for the competition season.

Silver Level

\$100 - \$249

Donor logo and information on the club's banner that will be displayed at all competitions, scrimmages, and outreach events. Also includes all benefits of lower levels.

Gold Level

\$250 - \$499

Donor logo and information on all competition shirts for the season. Shirts will be worn by all team members, coaches and mentors at every competition, scrimmage, and outreach event. Also includes all benefits of lower levels.

Platinum Level

\$500 +

(limited to 4 sponsors)

Donor logo placed on the robot. Also includes all benefits of lower levels.

Sponsor Contact Information

(Please print or type so that we can accurately include your information)

4-H Member Contact: _____

Business Name: _____

Contact Name(s) _____

Address _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Email: _____

Business Website: _____

Make checks payable to :
Berkeley County 4-H STEM

Federal EIN : 474729926

Give checks to your member contact or mail to:
Berkeley County 4-H STEM
405 S Rosemont Ave.
Martinsburg, WV 25401

*****Please include your Business Logo*****