

Beak Squad Robotics – Upper School (Grades 7-8)

Grade Levels:	7-8 th
Purpose:	<p>The FIRST Robotics program is a unique experience that exposes students to not only engineering, designing, building and programming, but also to marketing, brand identities, website development, publicity, and more!</p> <p>CHCA’s 7-8th Grade students participate in the FIRST Tech Challenge category (FTC). FTC provides students with real-world engineering challenges in a unique team setting to learn collaboration and problem solving as well as design and programming skills.</p> <p>Student teams design, build, program, and operate robots to play a floor game in an alliance format. Teams, including coaches and mentors, develop strategy and build robots based on sound engineering principles. It’s “More Than Robots”!</p>
Months:	<p>June-July: Optional CHCA FTC Summer Camp; Optional Team Building & Outreach Events</p> <p>August - March: Build & Competition Season</p>
Practice Schedule:	<p>Check TeamSnap for updated Team Practice Info</p> <ul style="list-style-type: none"> • Mondays & Thursdays – 6:00 - 8:00 p.m. • Saturdays – 9:00 a.m. - 12:00 p.m. • Upper School 7-12th Grade Robotics Team Training Workshops: TBD <p>*Practice dates and times will vary based on team role. Most team members attend two days per week. **Additional practice time is required to prepare for competitions.</p>
Practice Location:	Founders' Campus Innovation Space and other sites determined by team coaches

<p>Competition Information:</p>	<p>Regional Competition:</p> <ul style="list-style-type: none"> • 2 weekends in Dec-Feb: To Be Determined <p>Championship Tournaments:</p> <ul style="list-style-type: none"> • TBD based on qualification (Feb-March) <p>Competition Logistics:</p> <ul style="list-style-type: none"> • Competitions are FREE and open to the public to attend • Transportation to and from local competitions is Parent-Provided
<p>Cost:</p>	<p>\$350</p> <ul style="list-style-type: none"> • Includes team uniform T-shirt, presentation supplies + robotic & technical equipment for each team <p>** Scholarships are available to ensure that finances are never a barrier for student participation in CHCA Robotics. Contact Sarah.Hendrix@chca-oh.org for more information and to apply for a scholarship.</p>
<p>Anticipated # of Students:</p>	<p>15</p> <p>*Teams are limited to 15 members. CHCA's Competition Team members will be determined based on participation, initiative, and contributions during the pre-season</p>
<p>Expected Parent Involvement:</p>	<ul style="list-style-type: none"> • Ensure student attendance and/or communicate absence in advance <ul style="list-style-type: none"> ○ Timely Arrival & Pick Up from practice • Ensure student transportation & attendance at local competition • Parent/mentor support is welcomed to ensure success! No previous experience is needed, just an interest in participating!

Notes:	<ul style="list-style-type: none"> • Find more information at https://www.firstinspires.org/robotics/ftc • Many area high schools have FTC teams so we compete against 7- 12 graders
Coach Info:	<p>Adam.Cool@chca-oh.org Hope.Manning@chca-oh.org</p> <p>CHCA Director of Robotics: Sarah.Hendrix@chca-oh.org</p>
Important Dates:	<p><u>Parent/Guardian Meetings:</u> TBD via Coach emails</p> <p><u>Important Dates:</u> ??? – Ultra Camp Registration OPENS 08/29/2024 – Practices Begin 09/07/2024 – Season Kickoff 09/14/2024 – Ultra Camp Registration CLOSES at 11:59 p.m.</p>