



TEAM 34
2024 IMPACT BOOK

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Our Team

23 members
(9 rookies, 14 veterans)
7 mentors





OUTREACH

Outreach

70+ Outreach Events
Reached ≈ 64,000 people

2021 – 2022

- 2021 LARES HAM Radio Club Presentation
- 2021 Sugar Creek Elementary School Trunk or Treat
- 2021 Tanner High School STEM Club Presentation
- 2021 Athens Christmas Parade
- 2022 New Hope We Build It Better Class Presentation
- 2022 Elkmont City Council Presentation
- 2022 Rocket City Regional Spirit Bus
- 2022 Limestone County Robotics Camp Presentation
- 2022 FLL Explore Parent Presentation
- 2022 Farmers Market Children's Corner
- 2022 Fridays After 5 Concert
- 2022 Limestone County Career Tech Center Open House
- 2022 Eli's Block Party Superhero Day
- 2022 Ardmore TN Crepe Myrtle Festival
- 2022 Team 34 BBQ Fundraiser
- 2022 Leonardo Electronics Presentation & Tour
- 2022 Lions Club Kiddie Carnival
- 2022 Sippin' Cider Festival
- 2022 TRAIL Leadership Workshop
- 2022 SkillsUSA Speech
- 2022 Athens Christmas Parade

Outreach

70+ Outreach Events

Reached ≈ 64,000 people

2023 - 2024

- 2023 West Limestone High School Presentation
- 2023 Spirit Bus Rocket City Regional
- 2023 East Limestone High School Presentation
- 2023 Elkmont High School Presentation
- 2023 Tanner High School Presentation
- 2023 Athens High School Presentation
- 2023 Ardmore High School Presentation
- 2023 Clements High School Presentation
- 2023 STEDTRAIN & HATS Presentation
- 2023 Limestone County Career Tech Morning Presentation
- 2023 Limestone County Career Tech Afternoon Presentation
- 2023 Clements High School Career Fair
- 2023 Limestone County Schools Robotics Expo
- 2023 Team 34 Tough Truck Challenge
- 2023 Athens Farmers Market (6 events)
- 2023 Camp Hope
- 2023 Limestone County Schools Robotics Camp
- 2023 Limestone County Schools Manufacturing Camp
- 2023 4th & 5th Grade Lego Robotics Camp
- 2023 Ardmore TN Crepe Myrtle Festival
- 2023 AUVSI Symposium
- 2023 Eli's Block Party Superhero Day
- 2023 Limestone County Schools FLL Interest Presentation
- 2023 FIRST In Show
- 2023 Limestone County School Board Presentation
- 2023 Huntsville STEAMFest
- 2023 North AL Magnet School Fair
- 2023 Sippin Cider Festival
- 2024 Athens Christmas Parade
- 2024 Undies for Change Fundraiser
- 2024 Blue Springs Elementary 4th Grade Lego Camp
- 2024 Empty Bowls
- 2024 Read Across America Week

Annual Outreach Events

Athens Christmas Parade

Our team has walked in this parade with the LCCTC for 9 years.



ID-043



ID-044



ID-097

Eli's Block Party Superhero Day

In partnership with a local pediatric cancer foundation, our team has demonstrated our robot at this festival for 2 years and we helped organize it this year.



ID-013

Hi! Do y'all know approximately how many people attended this years superhero day event?

SEP 13, 2023 AT 9:43 AM

I do not know exactly, I've heard "thousands". I'm figuring around 5-6.

ID-078



ID-013

Ardmore TN Crepe Myrtle Festival

Our team has demonstrated our robot at this festival for 2 years.



ID-014

Hi! Do y'all know approximately how many people attend the Crepe Myrtle Festival this year?

Hi, thanks for contacting us. We've received your message and appreciate you reaching out.

Around 2500 people

ID-076

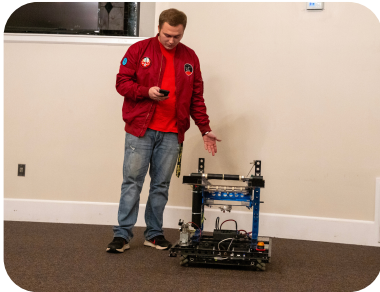


ID-014

2021 Outreach Events

LARES H.A.M Radio Club Presentation

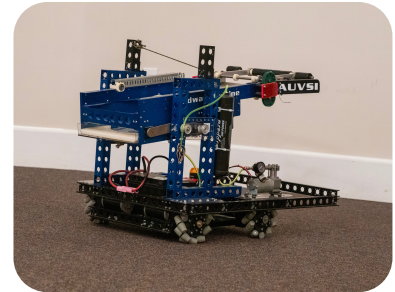
Our team presented to a local H.A.M radio club.



ID-021



ID-021



ID-021

Sugar Creek Elementary Trunk or Treat

Our team hosted a trunk to spread FIRST during this event.



ID-022



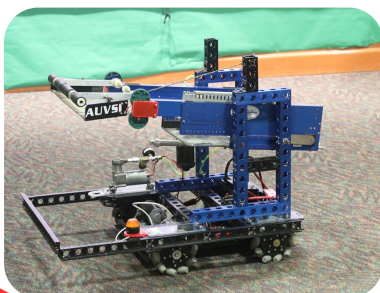
ID-022



ID-022

Tanner High School STEM Club Presentation

Our team presented to the THS STEM club in order to help THS become the first STEM certified school in the Limestone County School district.



ID-023



ID-023



ID-023

2022 Outreach Events



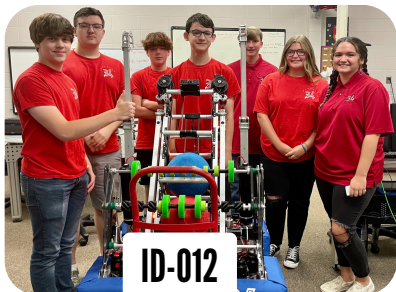
Athens Farmers Market Demo
Our team demonstrated our robot to over 350 people and many local leaders.



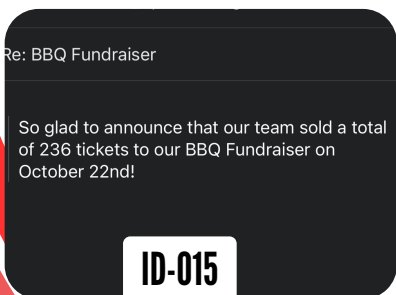
Friday's After 5 Concert
Our team demonstrated our robot to around 10,000 people in partnership with Athens Main Street.

entertainment. Along with the amazing committee and executive director [Tere Richardson](#), we accomplished that. Estimated attendance was around 10,000 people which was record breaking for this concert series.

All of the local [restaurants](#), [bars](#), [clubs](#), [trucks](#), [trucks](#)



Limestone County Career Tech School Open House
Our team demonstrated our robot in partnership with the LCCTC Engineering class.



Team 34 BBQ Fundraiser
Our team raised over \$2,000 by selling BBQ plates to 236 people.



2022 Outreach Events



Leonardo Electronics Presentation

Our team did a sponsor presentation to 11 people and were able to get a site tour.

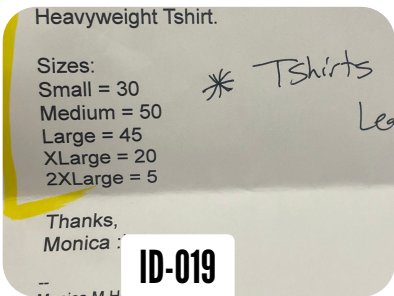
(CST)

Where
Main Conference Room

Organizer
Bess, Vicky

Invitees
11 guests

ID-016



TRAIL Leadership Workshop

Our team hosted a philanthropic leadership workshop in partnership with a local organization, TRAIL.

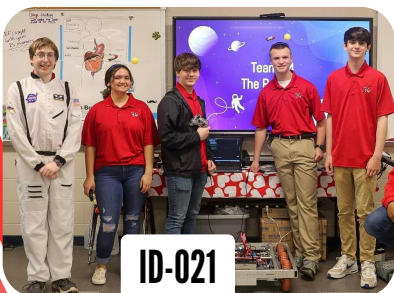


SkillsUSA Speech

Our team spoke to the LCCTC SkillsUSA students about STEM careers.



ID-020



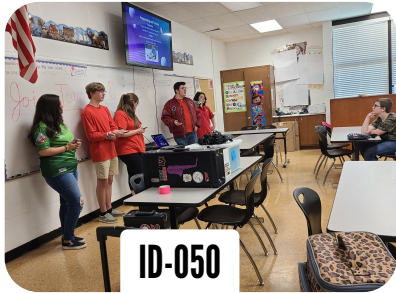
We Build It Better Presentation

Our team presented to 130 students in the New Hope High School We Build It Better class.



2023 Outreach Events

Recruitment Presentations



ID-050

West Limestone High School Presentation

14 Students



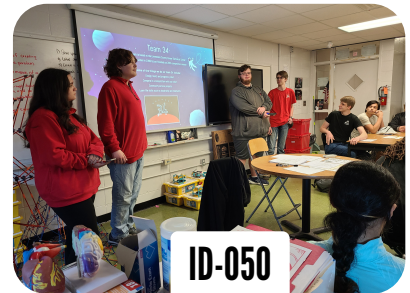
ID-050



ID-050

East Limestone High School Presentation

41 students



ID-050



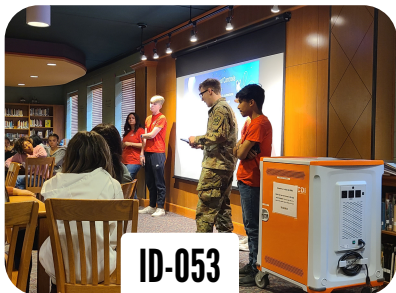
ID-051

Elkmont High School Presentation

9 Students



ID-051



ID-053

Tanner High School Presentation

33 Students



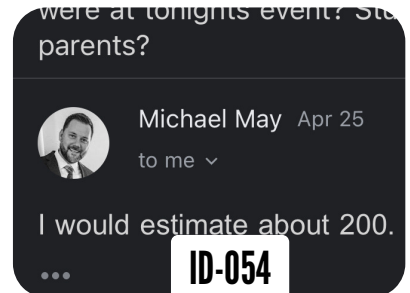
ID-053



ID-054

Athens High School Demo

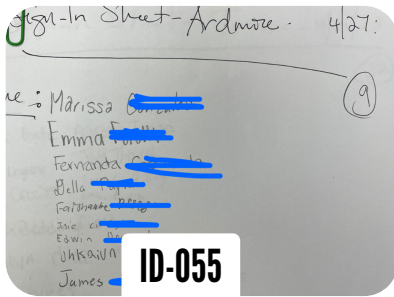
200 People



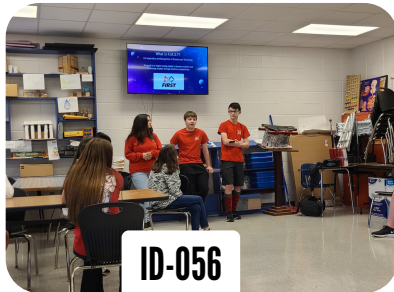
ID-054

2023 Outreach Events

Recruitment Presentations



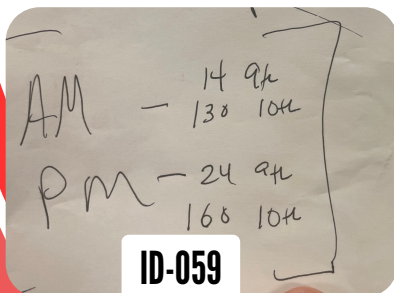
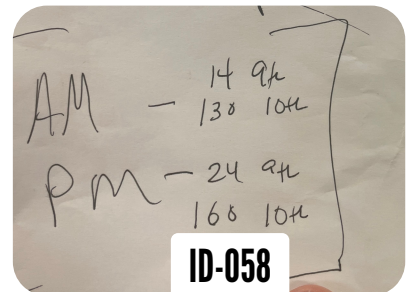
**Ardmore High School
Presentation**
9 Students



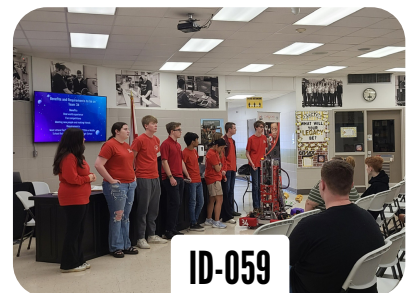
**Clements High School
Presentation**
11 students



LCCTC Morning Presentation
144 Students



LCCTC Afternoon Presentation
184 Students



2023 Outreach Events



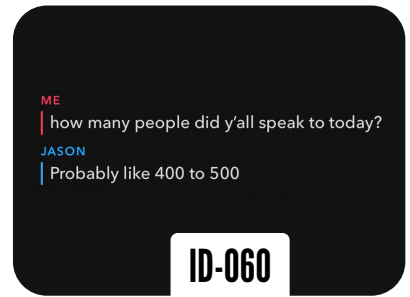
STEDTRAIN Grant Presentation

Our team presented to 17 members of the STEDTRAIN and HATS foundations to thank them for a grant.



Limestone County Career Fair

Our team demonstrated our team to 400 people with the LCCTC Engineering Class.



LCS LCCTC Summer Manufacturing Camp

Our team demonstrated our robot and volunteered at this camp.



----- Forwarded message -----
From: Richard Collins [REDACTED]
Date: Fri, Jan 5, 2024 at 3:01 PM
Subject: Re: AUVSI Pathfinder Symposium 2023
To: Monica Hobson [REDACTED]

Attendance count was 650.

Sent from my ID-077

AUVSI Symposium

Our team presented at the AUVSI Symposium to around 650 people in order to get an AUVSI grant.



2023 Outreach Events



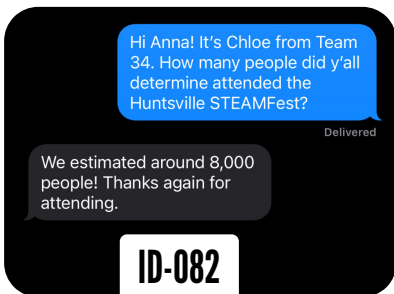
FIRST in Show Demo
Promoted our team to 96 people
and 8 FIRST teams at the FIRST in
Show event.

----- Forwarded message -----
From: **Anna Strutzenberg** [REDACTED]
Date: Thu, Sep 21, 2023 at 12:40 PM
Subject: Re: [EXTERNAL] Re: FIRST in Show event on Saturday, !
To: Monica Hobson [REDACTED], Emmy Bray <[REDACTED]>

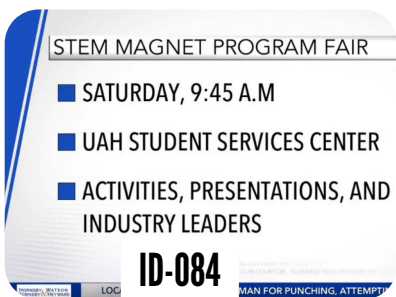
There were eight teams and someone counted a total of 92 people

Thank you,
Anna

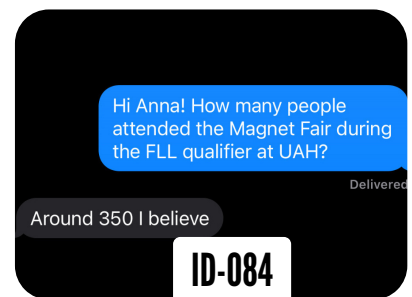
ID-080



Huntsville STEAMFest
Our team demonstrated our robot
to 8,000 people at the FIRST booth of
this event.



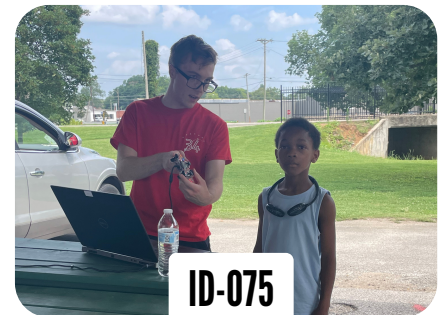
North AL Magnet School Fair
Our team managed the FIRST table
at this event, reaching 350 people.



2023 Outreach Events

Athens Farmers Market Children's Table

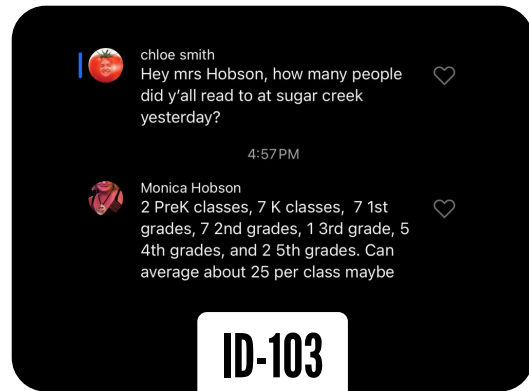
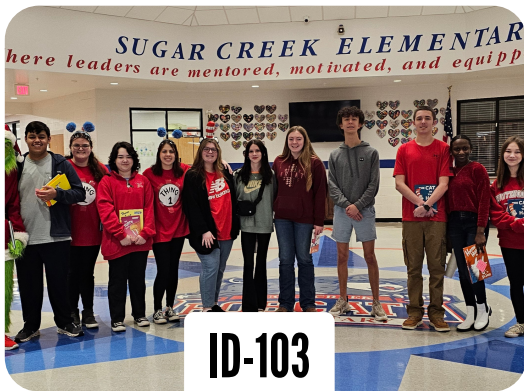
Our team managed the Market's Children's Table by doing a STEAM activity for 6 of the Market Days this summer. We reached 250 - 300 people each Market Day.



2024 Outreach Events

Read Across America Week

In partnership with Limestone County Schools Gifted, our team read books to hundreds of elementary school students throughout Read Across America Week.



Social Media Reach

24,000+ people reached via social media

2022-2023

(Counts individual post likes)

Instagram

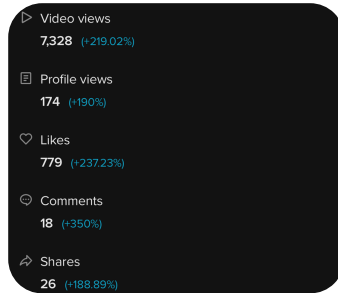
4,326 people



ID-027

TikTok

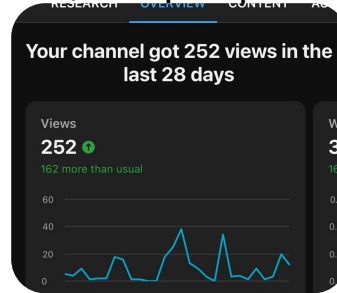
54,627 people



ID-028

YouTube

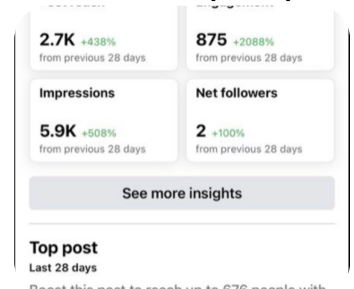
1,546 people



ID-030

Facebook

103,780 people



ID-026

2023-2024

(Doesn't count individual post likes)

Instagram

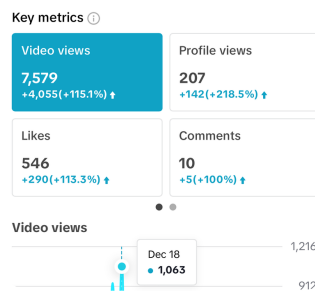
224 people



ID-099

TikTok

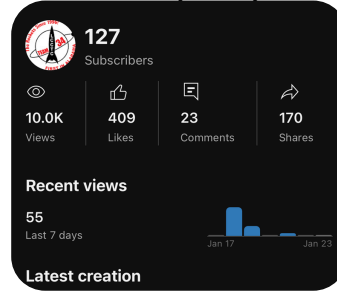
7,579 people



ID-100

YouTube

10,000 people



ID-101

Facebook

6,586 people



ID-098



VOLUNTEERING

2,660+ Combined Volunteer Hours

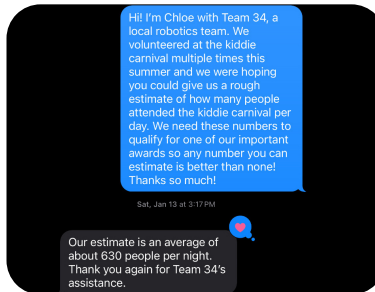
Annual Volunteering

Athens Kiddie Carnival

Our team has volunteered at the Lions Club Kiddie Carnival for 2 years.



ID-017



ID-071



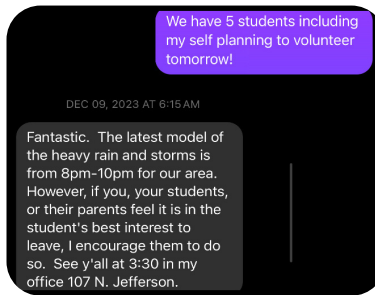
ID-071

Athens Sippin' Cider Festival

Our team has volunteered at this Christmas event in partnership with Athens Main Street for 2 years.



ID-018



ID-087



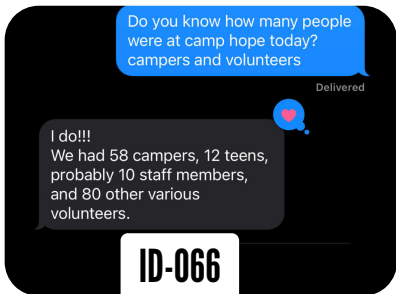
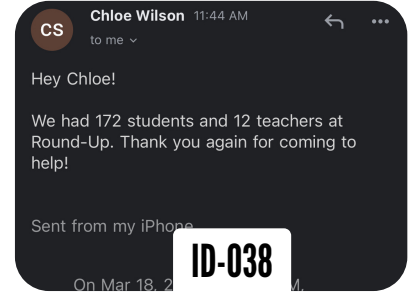
ID-018

2023 Volunteering



4-H County Roundup

Our team did an activity with 184 5th & 6th grade students & teachers at the LCS 4-H County Roundup.



Camp Hope

Our team volunteered as buddies for the campers at this local children's grief camp. We worked with 160 people.



Farmers Market Storm

After a major storm hit the Athens market during one of our outreach events, our team stayed late to help vendors clean up the damage caused by the wind & rain.



2024 Volunteering



Undies For Change

In partnership with TRAIL, our team hosted an "Undies for Change" fundraiser where we donated underwear to be distributed to kids in need.



Family Resource Center

In partnership with TRAIL, our team volunteered at the Athens Limestone Family Resource Center by organizing donated items.



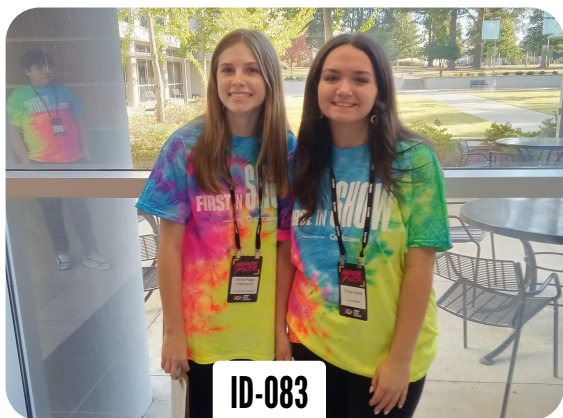
Empty Bowls

In partnership with TRAIL, our team volunteered at Empty Bowls, a benefit for our local homeless community that raised \$10,000.



FIRST Event Volunteering & Support

Supported 4 FIRST events in 2024
100+ event volunteer hours.



ID-083

Society of Women Engineers UAH FLL Qualifier

We supported this event by having 4 team members volunteer for the entire event.

Hampton Cove Middle School FLL & FTC Dual Event

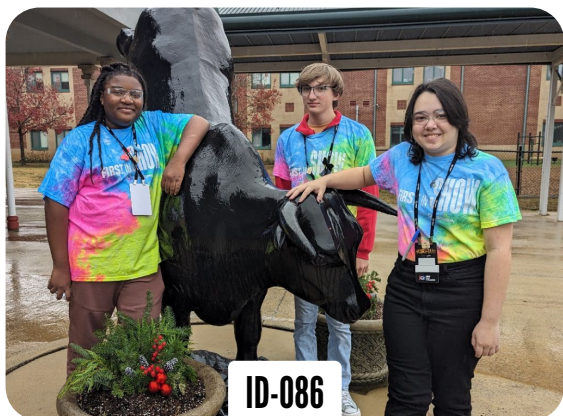
We supported this event by having 7 team members volunteer for the entire event.



ID-085

Hampton Cove Middle School FTC Cup #1

We supported this event by having 3 team members volunteer for the entire event.



ID-086

New Century Technology School FTC Cup #2

We supported this event by having 3 team members volunteer for the entire event.



ID-091

FIRST Event Volunteering & Support

Supported 4 FIRST events in 2024
100+ event volunteer hours

2023 Rocket City Regional Field Tear Down

Our team volunteered alongside FRC team 6404 to tear down the field.



2023 Rocket City Regional Student Ambassadors

Our team had 7 team members volunteer and serve as student ambassadors at the 2023 Rocket City Regional.

All of your students have been selected as Ambassadors for the regional

Please share this with them

Congratulations on being selected as a Student Ambassador for the Rocket City Regional! Please come to the FIRST Stop information table at 2pm on Thursday, April 6th for a Student Ambassador information meeting.

Sincerely,

Tania Cowart
Student Ambassador Coordinator



Alabama FTC State Championship

Our team had 2 members run the alumni booth from 10am-3pm during the FTC State championship.



ADVOCACY

2022 Advocacy



ID-025

Elkmont City Council Presentation

Our team presented to the Elkmont City Council in order to spread FIRST & our team to surrounding communities.



ID-025



ID-050

Chairman Colin Daly

Our team demonstrated our robot & shared FIRST with the chairman of the Limestone County Commission, Colin Daly.



ID-050



ID-051

Politician Britley Leonard Brown

Our team demonstrated our robot & shared FIRST with local politician, Britley Leonard Brown.



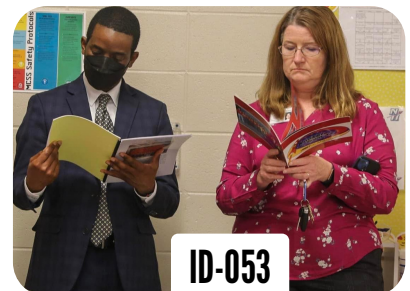
Allen Perkins

Mr. Allen Perkins currently serves the Madison County School System as Assistant Superintendent of Student Support Services. Most recently, he was appointed to complete the remaining term of the previous superintendent and served in that capacity for 3 years.

ID-053

Madison County Schools

Our team presented to the Madison County Schools Support Services Superintendent, Allen Perkins, in order to hopefully implement FIRST in Madison County Schools.



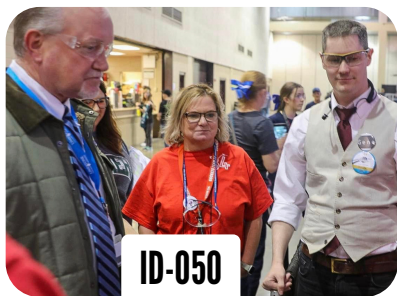
ID-053

2022 Advocacy

Limestone County Schools



Summer Robotics Camp
Our team met with LCS leaders to establish a Middle School Robotics Summer Camp.



Superintendent Randy Shearouse
At the 2022 Rocket City Regional, our team invited and toured the LCS Superintendent. We also demonstrated our robot to him at a community event in order to gain interest in FIRST throughout LCS.



Tanner High School STEM Certification
Our team helped THS become the first STEM certified school in LCS by starting their FLL team and helping with their STEM club.



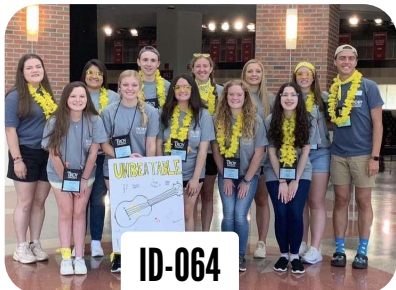
2023 Advocacy



City of Athens Mayor
Our team demonstrated our robot and shared FIRST with the Mayor of Athens, Ronnie Marks. As well as Athens Communications Specialist, Holly Hollman.



Limestone County School Board
Our team presented to this board alongside FLL team 32309 to show how our 3rd to 12th grade robotics pipeline is benefited LCS schools & students.



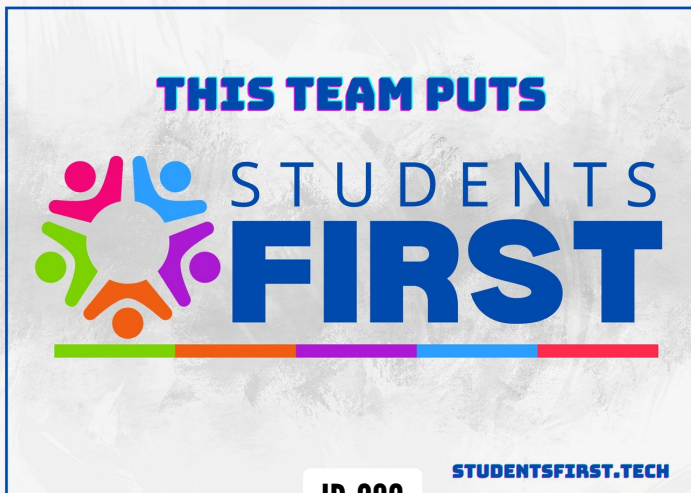
HOBV Youth Leadership Conference
Members of our team attended the Hugh O'brian Youth Leadership Conference in order to spread FIRST to other young leaders throughout the state of Alabama.



ID-064

2023 Advocacy

Organizations



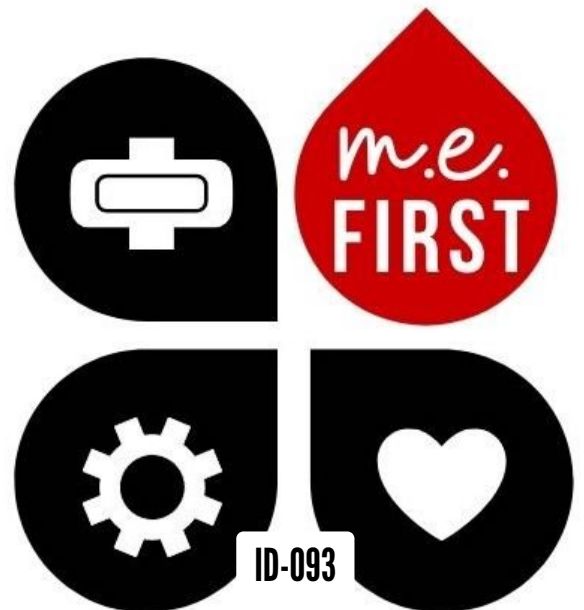
ID-092

StudentsFIRST

Our team is a StudentsFIRST team. StudentsFIRST is a student founded organization that promotes student led FIRST teams. We believe that adult and mentor overreach prevents students from achieving their full potential. StudentsFIRST is working towards many goals including forming initiatives to level the FIRST playing field.

m.e. FIRST

Our team is a menstrual equity ambassador team. m.e. FIRST is a project founded by FRC team 1868 that works to ensure that free menstrual products are available at FIRST competitions. As an ambassador team we provide these products at both of our competitions and in our robotics room's restroom.



ID-093

2023 Advocacy

Organizations




FIRST Together

FIRST Together is a FIRST Volunteer organization founded by FRC team 2869 Regal Eagles based in New York. Our team has started an Alabama branch of this organization and will start organizing events for FIRST in Alabama teams to volunteer at this summer.

Rocket City Regional Clothing Drive

Our team is going to be hosting a clothing drive during the 2024 Rocket City Regional. We will encourage local teams to donate various items and for traveling teams to donate team merch.

All proceeds from this drive will go to the Athens Limestone Family Resource Center.



2024 Rocket City Regional

CLOTHING DRIVE

Presented by FRC Team 34 Rockets

Please donate new or gently used clothing.
This is a great opportunity to donate team merch!

Donation boxes will be set up throughout the venue!

2023 Advocacy

FIRST in Alabama Youth Advisory Council

Our team works closely with the FIRST in AL Youth Advisory Council. This council is a made up of 5 students and 2 mentors who work to lead the growth of FIRST in Alabama.

One of our team's captains is the Chair of this council and works closely with the FIRST in AL operations team. Some current initiatives that this council is working on include starting 10 FIRST teams and attending the Student Association of STEM Advocacy or SASA Conference in Washington, DC.



MEET THE COUNCIL

Chloe Smith

-WHAT TEAM ARE YOU A PART OF?
FRC ROCKETS TEAM 34.

-WHAT'S YOUR ROLE ON THE YAC?
I'M OUR COUNCIL CHAIR AND COULDN'T BE MORE EXCITED TO LEAD THE GROUP.

-WHAT DO YOU LOVE ABOUT FIRST?
I LOVE MEETING AND CONNECTING WITH NEW PEOPLE THROUGH FIRST!

-A FUN FACT ABOUT YOURSELF!
I LOVE ANIMALS AND I HAVE 2 PET SNAKES.





PIPELINE

Robotics Pipeline

3 FLL Explore Teams
6 Middle School Robotics Clubs
2 Annual Robotics Camps

In fall of 2022 our team partnered with a local teacher to start 3 FLL Explore teams at Blue Springs Elementary School a Title 1 Limestone County School.



Team 6041 The 007 Skyrockets



Team 13712 BSE Mustangs



Team 2022200730 Spyrockets



FLL Explore Parent Presentation

After we started these teams, we hosted a presentation to tell their parents more about FIRST.



Robotics Pipeline

- 3 FLL Explore Teams
- 6 Middle School Robotics Clubs
- 2 Annual Robotics Camps

In summer of 2022 our team partnered with Limestone County Schools to establish a middle school robotics camp that led to after school robotics clubs at all 6 LCS schools.

Limestone County Schools
May 20, 2022

REMINDER: Tomorrow, May 31, is the last day to register for our Summer STEM Robotics Camp! This camp will be held June 12-15 at the Owens for rising 6th-8th grade students. Bus transportation from base schools to Owens and back each day will be provided.

MIDDLE SCHOOL ROBOTICS registration Form

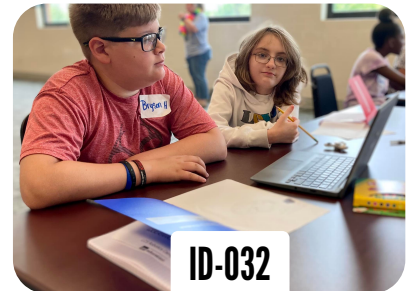
Our 2nd annual Summer Robotics Camp (Grades 6-8) is scheduled for Monday, June 12 - Thursday, June 15 at the Owens Campus on Hwy 76. Activities will begin at 8:00 am and conclude at 3:00 pm. Buses will be provided for all schools. Breakfast and lunch will be provided each day. The camp is FREE for all LCS students currently enrolled in grades 6-8. For the 2022-2024 school year. To register your student, please answer all the questions below. Your email will be recorded when you submit this form.

Student's Name _____
Your address _____
Grade _____
Choose:
6th _____
7th _____
8th _____

ID-032

2022 Middle School Robotics Camp

This was a free camp open to all LCS 6th-8th graders. Transportation and meals were also provided.



LCS Robotics Expo

Thanks to these clubs, LCS was able to host their first ever county wide robotics expo. All 6 of the clubs and our team demonstrated what they had been up to.

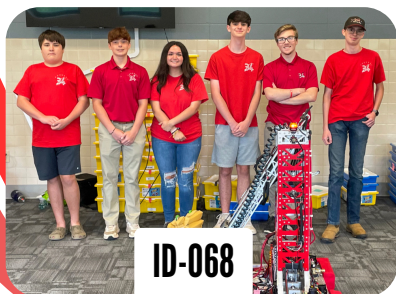
Middle School Robotics Expo - May 5				
Schools	Number of Students	Number of Parents	Teachers	Totals
Ardmore	20	14	3	36
Elkmont				
Carmon	3	3	1	7
Hannah	2	2	1	3
East	22	10	3	35
Tanner	0	0	1	1
CTC	20	0	2	22
TOTALS	65	26	11	104

ID-061



2023 Middle School Robotics Camp

Our team helped plan and worked at the 2nd annual LCS Middle School Robotics Camp.



Middle School Camp Presentation

Our team presented at this camp in order to spread FIRST to these students and parents and encourage FLL participation.



Robotics Pipeline

3 FLL Explore Teams
6 Middle School Robotics Clubs
2 Annual Robotics Camps



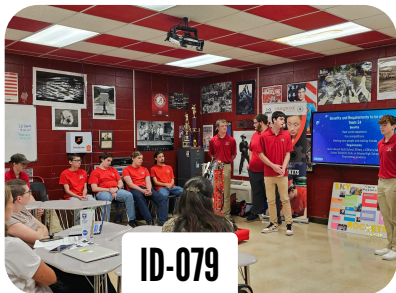
ID-072

4th & 5th Grade Lego Robotics Camp

Our team hosted 30 kids at a one day 4th & 5th grade Lego Robotics Camp. We also presented to 70 parents at closing ceremony of this camp.



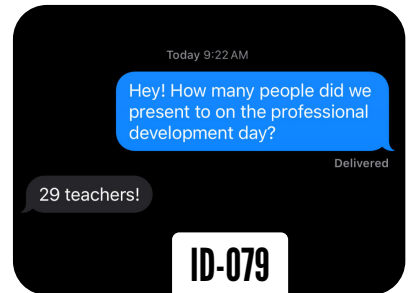
ID-072



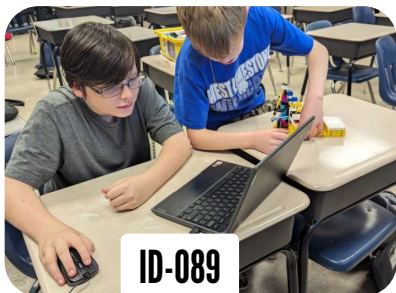
ID-079

FLL Interest Presentation

Our team presented with FLL team 32309 to local middle school teachers as a professional development class in order to gain interest in the starting of FLL teams.



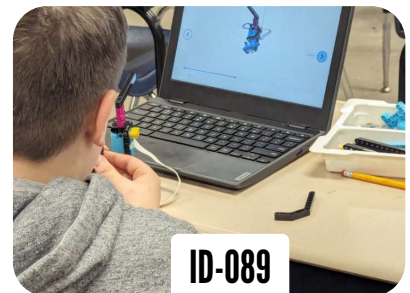
ID-079



ID-089

West Limestone Robotics Club

Our team members mentored the West Limestone Middle School Robotics club.



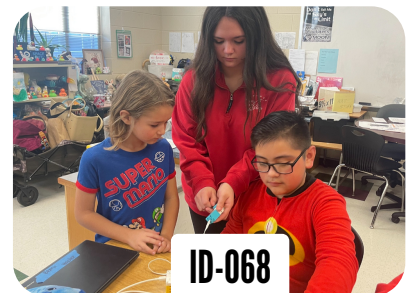
ID-089



ID-068

Blue Springs Gifted Mini Camp

Our team exposed 4th grade gifted students at Blue Springs Elementary School to FIRST by having them build and program Spike Prime robots in a mini half day camp.



ID-068



RECRUITMENT

Annual Recruitment

While our team is creating a pipeline of students for our team and we give many recruitment presentations, its important to have additional recruitment strategies.

Rocket City Regional Spirit Bus

Our team brings a spirit bus of over 100 students and teachers to the Rocket City Regional each year.



ID-007



ID-048



ID-049

Tough Truck Challenge

Each year our team invites interested students to design, build, and program vex robots that then compete in a robotic tractor pull.



ID-062



ID-062

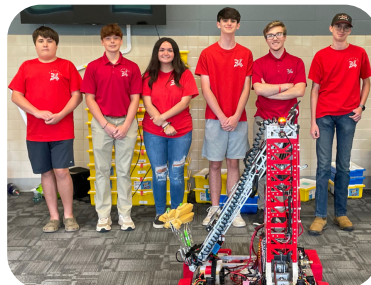


LCS Middle School Robotics Camp

Our team presents at the end of this camp each year in order to recruit 8th graders graduating out of the program.



ID-008



ID-068



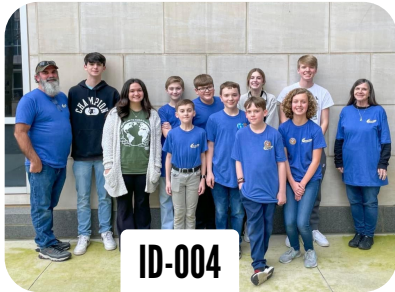
ID-008



COOPERTITION

Coopertition

1,300+ Hours Mentoring & Assisting
3+ International Teams Assisted
10+ Teams Assisted



ID-004

FLL Team 32309 The Skyrockets

Our team has mentored this team for 9 years and continue to work with them. We also have 5 team members that graduated from this team.



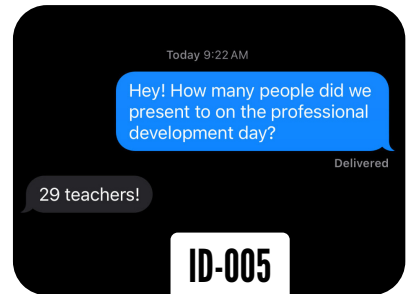
ID-004



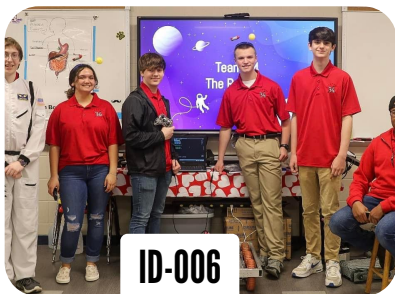
ID-005

FRC Team 538

Our team mentored this team in 2021, their rookie year and we continue to work with them and assist them frequently.



ID-005



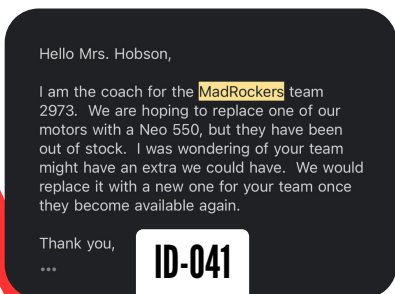
ID-006

FRC Team 8823 A New Hope

Our team gave a recruitment presentation to this team and a New Hope High School class in order to help them with recruitment strategies.



ID-006



ID-041

Donation to FRC Team 2937

Our team donated a Neo 550 motor to local FRC Team 2937, Madrockers.



ID-041

Coopertition

1,300+ Hours Mentoring & Assisting
3+ International Teams Assisted
10+ Teams Assisted

Assisting At Competition

FRC Team 8719 Oakville Dynamics

Our team assisted team 8719 by helping them build their charge station ramp during the 2023 St. Louis Regional.



FRC Team 4418 Impulse

Our team assisted team 4418 by helping them use Canva to work on their FIRST Impact Award documentation at the 2023 St. Louis Regional.



FRC Team 8773 Roborams

Our team assisted team 8773 by helping their wiring their robot light during the 2023 Rocket City Regional.



FRC Team 7430 System Overload

Our team assisted this team by bolting the wire mesh that hold their electronics panel during the 2023 Rocket City Regional.



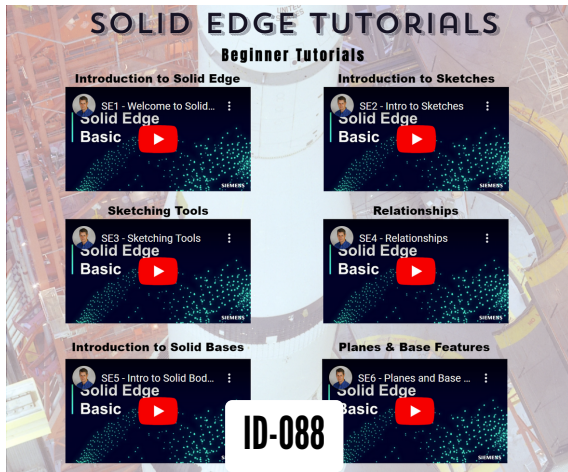
FRC Team 538 Renaissance Robotics

Our team assisted team 538 by 3-D printing a prototype mechanism for them prior to the 2024 Rocket City Regional.



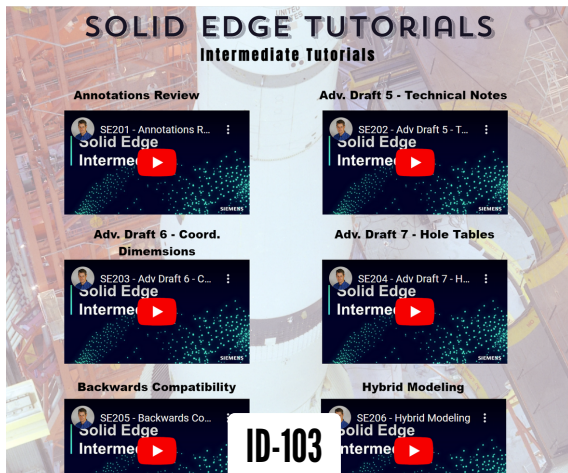
Provided Published Resources

In order to help other teams our team developed a “Links for Other Teams” page on our website.
team34rockets.com



Solid Edge Beginner Tutorials

Our team made and posted 29 beginner level Solid Edge tutorials which we invite other teams to use and learn from.



Solid Edge Intermediate Tutorials

Our team made and posted 31 intermediate level Solid Edge tutorials which we invite other teams to use and learn from.

Coopertition

1,300+ Hours Mentoring & Assisting
3+ International Teams Assisted
10+ Teams Assisted

2024

FRC Team 7717 Steam Punks

This team will be shipping their robot to our facility and we will be storing it for them until the 2024 Rocket City Regional.

FRC Team 5800

Our team plans to assist this team by donating items at the 2024 Rocket City Regional in order for them to start 2 FRC teams.

FRC Team 4400 Cerbotics

Our team will be delivering menstrual equity buttons and stickers that could only be shipped in the U.S to this team at the 2024 Magnolia Regional.

FRC Team 2869 Regal Eagles

Our team assisted this team by being a part of their podcast where there asked us questions about our team.

Coopertition

1,300+ Hours Mentoring & Assisting
3+ International Teams Assisted
10+ Teams Assisted

FRC Team 6404 Brazillian Storm

Prior to the 2023 Rocket City Regional, this team reached out to us in search of a place to rebuild their robot after transporting it. We were able to allow them to use our facility and let them borrow batteries to use throughout the competition. We were also featured on our local news station with them.

Throughout this event our teams became great friends. On the last day of competition they helped us tear down the field and then invited us to a pizza party where our team members were able to connect and learn more about Brazilian culture. Many of our members have stayed in close contact with this team and we can't wait to welcome them back this year!





ZIMBABWE

Zimbabwe

Last year one of our mentors visited Zimbabwe, Africa. On this trip he connected with a community and school that needed help. Due to Zimbabwe's drought prone climate this community is unable to water their crops.

Our team has formed a 3 phase plan to use STEM to help them. We have already completed phase 1 which was to reconnect with this community and bring awareness to this cause. We are currently working on phase 2 which is to develop K-12 Agriculture learning materials and provide them to the Dora Secondary School. These materials will teach students the importance of implementing STEM to solve problems for years ahead. The 3rd and final phase will be completed by the end of this year and consist of raising and sending money to this community so they can build an irrigation system to water their crops.

