



NSBE National Mission Statement:

The San Antonio Citywide NSBE Jr. Chapter of the National Society of Black Engineers is a 501(c) (3) non-profit association dedicated to increasing the number of culturally responsible Black Engineers who excel academically, succeed professionally, and positively impact the community.

NSBE, Jr-San Antonio fulfills the mission of NSBE by organizing & sponsoring a variety of programs, workshops, community activities, and mentoring.

Our goal is to create leaders who diligently work to fulfill NSBE's mission and national objectives. NSBE's influence is growing stronger every day as more students are taking advantage of the opportunities being a member of NSBE provides. We hope this year will be filled with teachable moments, giving back to the community, personal and academic growth, and most importantly having fun with and learning more about other members in our chapter.

Membership!

We want YOU to become a member of the most dynamic group of students, mentors & friends who enjoy STEM in San Antonio! Students in Grades K-2 can participate in NSBE activities, they just don't become NSBE members on the National Dues; however they do still pay Local Dues. Old members - don't forget to log-in to your student's NSBE account and renew their membership(s). New Members (Grades 3 - 12) will need to register as NSBE Jr. members with the San Antonio City Wide Chapter no later than 9/30/16. The membership cost for new members & renewals is \$5. <http://bit.ly/2bwhJe7>

Dues are Due! (Deadline September 30th)

National Dues: \$5
 Local Dues: \$35 (Returning Members); \$50 (New Members)
 \$25 (Siblings/Additional Family Members)

2016-17 Local & National Competitions

Ten 80, FLL, VEX, VEX IQ, Gear, Kid Zone, Kid Wind T-MAL, TAME, Math Counts, Future City, PCI Science Fair & Mahogany Brain Challenge! Teams are currently being formed in preparation for the start of our upcoming new season! Please email Mrs. Thompson at dnt1@prodigy.net, no later than September 1st with the list of competitions in which your students would like to participate. Students interested in TAME can register at <http://www.tame.org/clubforms>
****So that teams have enough time to practice together, new students will not be able to join technical competition teams after the 3rd practice.**

2016-17 EXECUTIVE BOARD

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Webmasters: Lauren & Jason Dones



The CoderDojo of San Antonio: Mark Your Calendars!

The CoderDojo continues to expand across San Antonio. Entirely led by volunteers, the Military Cyber

Professionals Association (MCPA) sponsors several **FREE** coding workshops for San Antonio youth ages 7-16. If you would like introduce your kids to the joys and skill of computer programming OR want to be a volunteer mentor, visit

<http://mcpasa.org/stem/> *Also contact NSBE Parent, Malene Lawrence at Blznteachr04@aol.com to have your student join the next coding workshop series (attended with other NSBE, Jr. Chapter students). Be sure to include your student's name, age, grade & coding experience.

The Tobin Center presents Ballet San Antonio's new 2016-17 Youth Performances!

On the bill for the season are Don Quixote (October 14th); Nutcracker (December 1st & 2nd); and Sleeping Beauty (February 17th)! Early Bird Registration with payment ends on September 26, 2016. Cost \$6 students & \$10 adults (including parents, teachers, and chaperones). For further information, please contact: Rose Forte Hensley, Ballet San Antonio at (210) 404-9641 or r.fortehensley@balletsanantonio.org.

Calling all Cyber Patriots! Would you & your school like to do a CyberPatriot team?

High School students can join other cyber defenders at Rackspace on September 10th. High School CyberPatriot teams should sign up at <https://cpfall2016.eventbrite.com>. *A required parental consent form must completed; however only coaches & mentors are permitted to attend this clinic. Middle Schoolers - Mark your calendars! A similar clinic for Grades 6-8 will be on September 24th at San Antonio College.

Middle & High School Girls: Register for "Saturday Morning Biophysics: Image Life!"

and current research topics in the physical and life sciences. FREE!
<http://research.tamhsc.edu/trache/outreach/>

IN THIS ISSUE

- Membership (New Members & Renewals)
- Local & National Competition Sign-Ups
- 2016-17 NSBE, Jr. -at-a-Glance
- What's Happening (Community Events)
- More Great News: Scholarships!
- For Parents Only!
- Enrichment Opportunities
- Duke TIP (Grades 3-7)

MORE NSBE SITES

NSBE San Antonio
<http://www.sanantonionsbejr.com/>

NSBE National
<http://www.nsbe.org>

NSBE Region 5
<http://www.nsbe.org/Regions/Region5/default.aspx>

NSBE, Jr. National
<http://www.nsbe.org/NSBE-Jr/Welcome.aspx>



2016-17 NSBE-at-a-Glance

September

- Chapter Meeting
- Competition Practices Begin
- Local & National Dues Deadline (9/30)
- Submit Transcripts Deadline (9/30)

October

- Chapter Meeting
- Competition Practices

November

- Chapter Meeting
- NSBE Fall Regional Conference (Houston; 11/10 - 11/14)
- Kid Zone Fall Competition

December

- Chapter Meeting
- Duke TIP SAT Math Review Begins

January

- Chapter Meeting
- GEAR Robotics Practice Starts
- All Other Competition Practices Resume
- MLK Day of Service (Jan 18) TBA
- Duke TIP SAT Math Review

February

- Chapter Meeting
- Competition Practice
- Mahogany Brain Challenge Competition

March

- National Conference & Competition
- Kid Zone Spring Competition
- Local FLL Competition

April

- Chapter Meeting – Student Officer Elections
- National Competitions for GEAR; and FLL, Ten80 & VEX Robotics (if applicable)

May

- Chapter Meeting – Senior & Sponsor Recognition
- Kid Wind National Competition

Congrats to **Lauryn Taylor** and **Jeffrey Martin** who were accepted to the Ron Brown Scholar Program Guided Pathway Support Program!

Congrats to **Sammy Draper, IV** who received the Mayor's Summer Program Scholarship for the Alamo Summer Camp.

Do you have scholarship, internship program or college acceptance news to share? Please email Mrs. Thompson to share your good news!



Academic Enrichment to Keep Your Student Soaring! Help Maintain Your Student's Accelerated Learning!

All NSBE families are being offered a discounted online academic program to help keep their students on track throughout the school year! Your child & their siblings can have access to these wonderful online programs through June 2017!

IXL is a comprehensive online Math and English Language Arts program that teaches and reinforces academic skills in grades K-12. This is a great way for NSBE members to maintain their academic progress this summer and year round. Students can also use it on tablets or cell phones (in the car, on vacation) anywhere they have internet access. Best of all, parents can track their student's progress & even assign specific skills for them to review! For **\$50** (per student) NSBE, jr. members will have a full one-year subscription to BOTH Math and ELA skills.

RAZ-Kids.com (Reading Comprehension Grades K-6)

Online K-6, guided reading program with interactive ebooks, downloadable books, and reading quizzes that allows parents to track progress. The Interactive e-books have proven useful for new and advanced readers. This website offers a wide variety of fiction & non-fiction titles — kids can listen to an audio reading while making their way through the text. Students can also record themselves reading to increase fluency. This program is bilingual – students can reinforce their literacy skills in English AND Spanish! **\$30** (per student) for the entire year.

For more information check out www.ixl.com and www.raz-kids.com. This special offer is only being offered through your affiliation with our NSBE chapter - if contacting IXL or RAZ-Kids directly, families will pay the full \$150 per child for IXL and \$109 for RAZ-Kids. Limited subscriptions are left! Interested families should contact NSBE Parent, Malene Lawrence at Blznteachr04@aol.com or (646) 739-3085. Be sure to give the following: Child's Full Name; Grade Entering; Parent Email Address

Duke TIP's 7th Grade Talent Search is now open for enrollment! Students qualify through standardized test scores & by teacher recommendation. Visit www.tip.duke.edu/7gts for details & information on how to enroll. Parents who have their child's test score information can enroll directly on the website. Parents of students in Grades 3-6 can apply on October 1st!

Duke TIP is a nonprofit that provides gifted students with resources unavailable in most traditional schools. Qualifying students who enroll in Duke TIP's Talent Search participate in above-level assessments of their abilities, receive recognition for their achievements, access to a variety of educational enrichment opportunities, and are eligible to apply to TIP's renowned academic programs for young gifted scholars.

Duke TIP granted over \$3.2 million in fee waivers & financial aid last year to ensure that gifted scholars from all economic backgrounds could participate in their programs.
www.http://tip.duke.edu/



The Cybersecurity Teacher Certification is now fully sponsored and **FREE** for individuals wanting to complete the program. It can easily be completed in a day.

Whether you or an educator you know teaches computer science, math, technology, English, or economics, cyber is relevant to your students and your specialization.

What You Get: The Cyber Teacher Certificate Professional Development Program:

- Professional Development Certificate - Computer Science Teachers Association
- 8 Clock Hours of Continuing Education Units (CEUs)
- Training and Mastery of "Fundamentals of Cyber"
- Includes Cybersecurity Curriculum
- Ability to take the Cyber Teacher Journey
- Membership in the Cyber Teacher Association

Cyber Teacher is the first and only cybersecurity professional development credential for educators created expressly to help teachers like you fill the cyber skills gap. <http://cyberteachers.org/>. **Share this was an educator you know!**

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ALAMO *FIRST* REGION

SERVING *FIRST*® TEAMS IN SOUTH TEXAS

August 2016 Team Newsletter

Dear *FIRST* LEGO League Teams,

In this newsletter:

- Coach Clinic Details & RSVP
- Challenge Release Details
- *FIRST* in Texas Grant Application

Miss the last newsletter? [Click here](#) to view the newsletter archive.

Coaches' Clinic

Saturday, October 8th, 2016
 Veteran's Memorial High School (Judson ISD)
 7618 Evans Rd, San Antonio, TX 78266

Agenda:

8:00 - 8:15 Check-in
 8:15 - 8:30 Region Updates
 8:30 - 9:00 Keynote Speaker(s)
 9:00 - 12:00 Breakout Sessions

Optional key volunteer training sessions to follow:

12:00 - 1:00 Lunch Break (on your own)
 1:00 - 3:00 Volunteer Training for Event Hosts, Volunteer Coordinators, Head Referees, Judge Advisors

All coaches and mentors are welcome to attend! Due to the increase in number of teams and size limitations of the venue, we ask that student team members do not attend this event.

[CLICK HERE TO RSVP.](#)

Attendees who check in by 8:15 will be entered into a random drawing for last season's field sets - plenty of free LEGO bricks to add to your team's supply!

Breakout Session Descriptions:

EV3 Programming - Beginner (9:00-9:55 & 10:00-10:55)
 Getting started with EV3 programming - basic movements and



Team Resources Quick Links

[2016-17 Pricing Information](#)

[FLL Team Expense Chart -
Alamo Region Specific](#)

[Coaches' Handbook](#)

[Table Building Instructions](#)

[Mission Model Building
Instructions](#)

[Field Setup Guide](#)

[Subscribe](#)[Share ▼](#)[Past Issues](#)[Translate ▼](#)[EV3 Programming - Advanced \(11:00-11:55\)](#)

Sensor use, line following, and other more advanced topics in EV3 programming. Bring your own laptop with EV3 software installed.

[Team Management Strategies \(9:00-9:55 & 11:00-11:55\)](#)

Moderated panel discussion: common team management scenarios will be discussed, with insight and input from veteran coach panelists. *Interested in participating as a panel member? Email megan.clark@sastemic.org!*

[Judging Preparation 101 \(9:00-9:55 & 11:00-11:55\)](#)

An overview of best practices for preparing your teams for judging sessions: what to bring and how to practice. 15 minutes on each area (Project, Core Values, Robot Design) and 10 minutes Q&A.

[Judging Deep Dives \(10:00-10:55\)](#)

Volunteer judges from previous years will be available for in-depth Q&As on each area of judging.

[EV3 Robot Building \(10:00-10:55\)](#)

Tips and tricks for building reliable robots.

[Members Online \(PDF\)](#)www.firstinspires.org

Recommended Resources

[EV3Lessons.com](#)

Founded by two brothers on the FLL team Not the Droids You Are Looking For, this site provides helpful EV3 programming lessons along with team building activities.

Got a great resource you'd like to share? Email us!

Challenge Release

Set yourself a reminder for **Tuesday, August 30th at 11:00 am** for the **Global Challenge Release**, and bookmark the [FIRST LEGO League](#) page! That's when all teams will get to see:

- The Challenge Documents (Project Question, Mission Descriptions, Rules, etc.)
- The Challenge Videos (Project & Robot Game)

Fun Stuff

[FIRST LEGO League on Twitter!](#)

Follow for announcements, updates, contests, and more!

Animal Allies Poster



Click on the image to access a PDF of this awesome Animal Allies poster, provided by FIRST! Use it to generate interest about FIRST at your school or organization.

FIRST in Texas Grant Application

All teams are encouraged to submit a grant application for the *FIRST* in Texas grants, which opens **Thursday, September 1st**.

[Click here to see the FIRST in Texas grant page](#), with a link to the application and descriptions of available grant opportunities.

In next month's newsletter:

- Timeline for event registration payment & selection

Thanks for reading!

[BrickLink](#)

"The World's Oldest Online LEGO Marketplace"



Inspiring students,
one robot at a time.



AUGUST 2016 NEWSLETTER: Table of Contents

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Back-to-School & Back to Robotics!

The 2016-17 season new games are now open and events are popping up around the world for the new season. Be sure to register your team today to stay current on all the updates at www.RobotEvents.com and www.RoboticsEducation.org.

VEX IQ Challenge & VEX Robotics Competition Skills Challenge Update!

The REC Foundation encourages all teams to review the game manual updates that were shared on August 17 and in particular review the Skills Challenge information. For the [VEX IQ Challenge](#) under Robot Skills Challenge Rankings the update is: Teams will be ranked based on the sum of their highest Programming Skills Match score and Driver Skills Match score, with the team with the highest sum being declared the Robot Skills Challenge Winner For the [VEX Robotics Competition](#).

Robot Skills Challenge Description: In this challenge teams will compete in 60 second long matches in an effort to score as many points as possible. These matches consist of Driver Skills Matches, which will be entirely driver-controlled, and Programming Skills Matches, which will be autonomous with limited human interaction. Teams will be ranked based on their combined score in the two types of matches. The playing field will be set up similarly to that of a normal VEX Robotics Competition Starstruck tournament match, with the difference being that all Scoring Objects start on the same side of the field. Visit the [VEX IQ Forum](#) or [VEX Robotics Forum](#) today with any questions!

VEX Robotics World Championship April 19-25, 2017 & Back on ESPN U August 27

VEX Robotics World Championship, now entering its 10th year, will bring together the top 1,400 student-led robotics teams from around the world to Louisville, Kentucky, on April 19-25, 2017. The new dates mark a dramatic program change to provide teams with a superior event experience as they compete in the largest and fastest growing international robotics programs. The new revised schedule as follows:

- The VEX Robotics Competition and VEX U will open to middle school, high school and university teams on Wednesday, April 19, and culminate with finals, awards and a team party at Kentucky Kingdom on Saturday, April 22. The VEX IQ Challenge will open to elementary school and middle school teams on Sunday, April 23, and culminate with finals, awards, and a team party at Kentucky Kingdom on Tuesday, April 25.

Due to popular demand, the VEX Robotics World Championship will re-air on ESPN U at 6 a.m. ET on August 27. It's an early showing so be sure to set your DVR today and catch all the highlights!

Online

The REC Foundation Online Challenges will officially open September 7, 2016, and close on January 11, 2017, at 12 a.m. CST. The Online Challenges provide an array of opportunities for teams to explore programming, CAD challenges, video design, website layout, and much more. Teams have plenty of time during the season to work on their submissions, but we encourage you to begin thinking now about which Online Challenges you might pursue and discuss the options with your team. Some great prizes go to the winning submissions!

Challenges



Girl Powered: October 11, International Day of the Girl

The REC Foundation launched Girl Powered, in collaboration with VEX Robotics, Inc., to double the number of girls on robotics teams over the next 5 years. To kick-start our effort, the REC Foundation invites our Event Partners and teams to consider hosting a Girl Powered workshop, open house, or outreach activity on October 11 to coincide with the International Day of the Girl. The type of activity you host is up to you, but we suggest a 1-2 hour activity that might take place after school and include a guest speaker, goal setting activity, robot display, or robot build

activity. The first 50 events posted in RobotEvents.com under the [Workshop & Camp tab](#) will receive a Girl Powered packet of materials from the REC Foundation. For more information visit: www.RoboticsEducation.org/GirlPowered



Sponsor Spotlight: Texas Instruments

Texas Instruments knows the importance of fostering STEM initiatives that create the technology workforce of tomorrow. As a proud sponsor of the Texas Instruments Electronics Online Challenge, VEX Worlds, and two scholarships for high school seniors, TI supports robotics through TI technology and employee

engagement. At VEX Worlds, Texas Instruments was inducted into the STEM Hall of Fame as Partner of the Year. The Members of the REC Foundation Partner of the Year area of the STEM Hall of Fame are well-recognized and respected organizations with vision, products, and services aligned with the fields of science, engineering, and technology, and with personnel that represent a valued spectrum of knowledge and talent across STEM. Read more about Texas Instruments and all of our STEM Hall of Fame inductees [online](#).

The REC Foundation's Mission Statement

The REC Foundation seeks to increase student interest and involvement in science, technology, engineering, and mathematics (STEM) by engaging students in hands-on, sustainable, and affordable curriculum-based robotics engineering programs across the U.S. and internationally. For more information, visit www.roboticseducation.org.

Past E-Mails Available

Archives of all email blasts from this season can always be found [here](#).

Not Getting These E-mails?

Many organizations automatically block group e-mails. You have two options:

- 1) Request that your IT department "White List" emails from mail.vresp.com and/or white list e-mails from the following IP addresses: 74.116.89.0/24 74.116.91.0/24 66.151.143.0/24
- 2) Make sure the alternate email address in your robotevents.com -- <http://robotevents.com/> team account is different -- not a school address.