



**The Durham Alumnae Chapter of Delta Sigma Theta,
Inc. and
The Durham (NC) Chapter of the Links,
Incorporated**



announce their

**2018 STEM Camp Scholarship Award
Application Deadline: April 7, 2018**

Do you have interest in science, technology, engineering or mathematics (STEM) and want to expand your knowledge and increase your success in STEM? If so, we invite you to participate in the following:

- WHAT?** An opportunity to be selected for a STEM scholarship to participate in a 5-day STEM Summer Camp.
- WHY?** This award will enable you to attend a STEM Summer Camp and is intended to expand STEM opportunities and support academic experiences for Durham County students Grades 3-12. Grade eligibility refers to the grade the student will enter for the 2018-2019 academic year. It **does not** refer to the student's current grade.
- WHO?** Funds are provided through a partnership between The Durham Alumnae Chapter of Delta Sigma Theta, Inc. and The Durham (NC) Chapter of the Links, Incorporated.
- WHERE?** Please see the attached descriptions of available camp sites and dates, and list your first and second choices within the application.
- WHEN?** The deadline for application submission is 4/7/2018.

Please note: You must be a resident of Durham County and attend school (elementary, middle or high school) in Durham County to be eligible for this scholarship.

The following is required to apply for this scholarship. All 3 parts must be completed for scholarship consideration. You must

1. complete the application,
2. provide an essay (minimum of 200 words for 3rd - 5th; 500 words for 6th - 12th), and
3. submit a letter of recommendation from your teacher. (Note: middle and high school students should request a letter from a STEM teacher.)

Application Checklist

To qualify for a scholarship application, all questions must be answered, and directions followed. If directions are not followed, points will be subtracted, and application may be disqualified. A checklist is below to assist you. Check each item to ensure that you've followed directions.

1. ___ Application is typed or legibly printed
2. ___ All questions are answered
3. ___ Essay is included with the proper number of minimum words
4. ___ Essay includes the information requested
5. ___ Letter of recommendation from teacher is on letterhead
6. ___ Letter of recommendation is from STEM teacher
7. ___ Application is signed by student and parent
8. ___ You have identified a first, second and third camp choice
9. ___ Application is free of grammatical and spelling errors

1. APPLICATION (Please type or legibly print.)

Name: _____

Date of birth: _____

Address: _____
(City, State and Zip Code)

Telephone: _____ **Home** _____ **Cell** _____

School: _____ **Grade:** _____

Name of parent or guardian: _____

Address if different from above: _____

Telephone number: _____ **Home** _____ **Cell** _____ **Work** _____

Is this the person to be contacted in case of emergency? _____ **Yes** _____ **No**

If no, please provide the name, relationship and all contact information for this individual:

Name of teacher: _____

GPA (high school applicant only): _____

STEM courses completed with grades: _____

STEM courses currently taking: _____

Have you ever participated in a Science in Everyday Experiences (SEE) or STEM Camp?

____ **Yes** ____ **No**. **If yes, when did this occur?** _____

Name of person and organization that told you about this scholarship:

Special Medical Condition(s) or Disability: ____ **Yes** ____ **No** **If yes, please describe.**

Camp Selection (Refer to attached camp sheet)

1st Choice _____
2nd Choice _____
3rd Choice _____

2. ESSAY QUESTION

Please prepare your essay, add your name and attach it to this application. (Minimum 200 words for 3rd - 5th grades and a minimum of 500 words for 6th - 12th grades.) Your essay should address the following:

- Explain why you would like to attend a 5-day STEM camp and what you hope to accomplish. How will this opportunity help you in the future?
- Describe your experiences (e.g., courses, clubs and/or extra-curricular activities) in science, technology, engineering and mathematics.

3. FINANCIAL NEED

While financial need will be taken into consideration along with other eligibility requirements, all factors will be considered in the overall selection decision. From the options below, please select your financial need, if applicable, and briefly explain in your essay (from section 2).

- _____ I want to attend a STEM Camp, but will be unable to do so if I don't receive a scholarship.
- _____ I want to attend a STEM Camp, and still may be able to do so if I don't receive a scholarship.
- _____ I want to attend a STEM Camp and will be able to attend whether or not I receive a scholarship.

Please indicate if you receive a free and reduced meal (breakfast, lunch) at school.

_____ Yes, I receive a free and reduced meal at school.

_____ No, I do not receive a free and reduced meal at school.

4. LETTER OF RECOMMENDATION

Name of teacher who will provide your recommendation: _____

Please ask your teacher to include in the recommendation why she/he believes you should be considered for the STEM Summer Camp opportunity. This recommendation must be on letter head and directly emailed to durhamstemoutreach@gmail.com or mailed to:

Durham Alumnae Chapter
Attn: STEM Committee
Delta Sigma Theta Sorority, Inc.
PO Box 2882
Durham, NC 27715

It is strongly recommended that you provide a copy of this announcement to your teacher so that it will be clear what is expected in the recommendation letter.

Applicant: _____

By signing this, I verify that I am the applicant, I choose to submit this application, and if I receive the scholarship award, I will attend a STEM Camp

Parent or Guardian: _____

By signing this, I verify that the attached essay has been prepared by the applicant. If selected, I agree that she/he will be able to attend the selected STEM Camp and that I will ensure that she/he will have appropriate transportation.

**** The sponsoring organizations will be unable to provide transportation. ****

Selection Criteria

To assist you in submitting an application that will increase your chances of receiving an award, we are providing the below criteria that will be used for selecting applicants.

In addition to the previously identified **eligibility requirements**, selection will be based on your:

1. explanation of financial need;
2. interest in attending the STEM Camp;
3. enrollment in and performance in STEM courses;
4. description of how the STEM Camp will enhance your success in STEM courses;
5. attention to sentence structure and grammar relevant to your grade level;
6. completion of the application process;
7. agreement to submit a summary of your camp experience; and
8. adherence to the application deadline date.

This application, along with your essays, must be submitted by email to durhamstemoutreach@gmail.com or by mail to:

Durham Alumnae Chapter
ATTN: STEM Committee
Delta Sigma Theta Sorority, Inc.
PO Box 2882
Durham, NC 27715

DEADLINE: All materials must be emailed or received via mail by 4/7/2018

Camp No.	Camp	Location	Grades (rising)	Date	Time	Number of available camp slots
1	Nasa Research Team	Museum of Life & Science 433 W. Murray Avenue Durham, NC	6-8	6/11-6/15	9:00am - 3:00pm	1
	Become a citizen scientist and unlock the mysteries of the cosmos! In this week of hands-on study, we'll learn about Earth's place in the universe, examine light from distant stars, probe icy moons, locate exoplanets, and ponder the mysteries of dark matter. We'll use our newfound expertise to design a mission into space that strives to answer some of humanity's greatest questions about the ever-expanding universe!					
2	Lego EV3 Robotics	Museum of Life & Science 433 W. Murray Avenue Durham, NC	6-8	7/9-7/13	9:00am - 3:00pm	1
	Join us for an entire week of building and programming fun! We'll use LEGO's Mindstorms EV3 kits as we design, build, and program our own creations. Work as a team to solve tricky engineering challenges, code color and ultrasonic sensing capabilities into your robot, and use your skills to prepare for the SumoBot battle!					
3	Game Design	Kramden Institute 4915 Prospectus Dr. Suite J, Durham, NC	6-8	7/30-8/3	9:00am - 4:00pm	4
	Create your own fun games while learning about coding and game design. You'll learn the skills you need to start developing games. Plan out your game's setting, develop gameplay mechanics, code it, and add graphics and sound. No coding experience required. You'll take home your finished PC game to play and share, along with its source code so you can keep working on it using GameMaker Studio 1.4.					
4	Build-A-PC	Kramden Institute 4915 Prospectus Dr. Suite J, Durham, NC	9-12	7/9-7/11	9:00am - 4:00pm	2
	Learn how to build a computer from scratch, including: choosing parts, installing parts into the case, adding a graphics card, troubleshooting, loading software, testing and benchmarking. Get hands-on experience as you build, modify, and tear down computers, including a start-to-finish gaming PC build.					
5	Duke AHEC	2424 Erwin Road Durham, NC. in the Hock Plaza I Building.	8-9	7/10-7/13	8:00am - 3:00pm	1
	This camp is geared to exposing students to the many available careers in health care. During the week, students will interact with healthcare providers at Duke as well as explore health professions training programs at area universities or colleges. Students are introduced to the exciting world of health careers through hands-on activities, field trips, tours, and testimonials from practicing health care providers!					
6	AM- Engineering Design / PM CSI Bull City	Durham Academy Lower School 3501 Ridge Rd. Durham, NC	5-6	7/9-7/13	9:00am - 4:00pm	1
	Engineering Design: Join us for a week of adventures in engineering! Campers will have fun learning in collaborative groups as they experience engineering through hands-on, creative investigations and design activities. Science, math, technology and design thinking will be at the center of all our adventures. Each hands-on engineering adventure will engage campers in the Engineering Design Process to solve open-ended problems. The Engineering Design Process will guide campers engineers through asking questions about the problem, imagining ways to solve it, planning a design, creating and testing their design, and then thinking about ways to improve it. Campers will gain confidence in their science, engineering, technology and problem-solving skills through inventing their own solutions to challenging problems.					
	CSI Bull City: Step into the role of Crime Scene Investigator and learn the techniques and tricks that police use to solve crimes. We'll explore the world of forensics through DNA, chromatography, fingerprints and more using engaging, hands on activities. We will put what we have learned to good use as we solve the mystery of the summer camp caper!					
7	NCCU Biotech	NCCU 302 E. Lawson St. Durham, NC	9 -12	7/9-7/12	9:00am - 3:00pm	1

	Help students identify careers in science and biotechnology. Hands on activities, tours of research labs, discussions with research scientists					
8	CraZOlympics and Edible Engineering	CraZBrain Camp 800 Park Office Dr. Durham, NC 27703	ages 7-11	7/30-8/3	9:00am-4:00pm	1
	Cra-Z-Olympic games: The flags are being raised, the anthems are blaring, and the games are ready... now we just need the science-athletes! Come take on some of the toughest engineering challenge events to date including the slowest marble track, archery, and designing your own race car. Before the closing ceremonies, we will have an epic Nerf battle with a design twist you won't believe unless you see it. Come see if you have what it takes to win the gold medal at these Cra-Z-games!					
	Edible Engineering: spend a week learning to cook, eating the food, and discovering what the science behind the fizzing, bubbling, and sizzling is! In this camp you will get the chance to make some of your favorite foods including pancakes, grilled cheese, and ice cream. Here's your chance to make some of your favorite foods and analyze them to see what's really inside. A little bit of cooking, a little bit of science, a little bit of eating, and a whole lot of fun! We try to avoid peanut products during this camp but those with allergies should be responsible and knowledgeable enough to avoid any potentially problematic foods.					
9	007 Spy and Treasure Hunt	CraZBrain Camp 800 Park Office Dr. Durham, NC 27703	ages 7-11	6/18-6/22	9:00am-4:00pm	1
	007 Spy: Ready to live the secret life of a spy? Just barely escaping the clutches of villains, breaking secret codes using designed gadgets, and using evasive maneuvers to get home safely? Now is your chance to be a spy and learn some of the science that makes it all possible! You will design your own secret spy weapons, protect your valuables with homemade safety boxes, hide secret messages in food, and much more. The life of a spy is not an easy one but science can make it easier and more fun. Come join us to find out how!					
	Treasure Hunt: The search for hidden treasure has forever been a focus and obsession for children and adults alike. This camp will provide you the opportunity to search for your own by studying maps, solving riddles and puzzles, and even building various engineering projects to carry your discoveries away. Think you can make your way through the booby traps or even better, build your own? There's only one way to find out! Come join us in all the fun!					
10	Crime scene analysis/Life of a pirate	CraZBrain Camp 800 Park Office Dr. Durham, NC 27703	ages 7-11	6/11-6/15	9:00am-4:00pm	1
	Crime scene analysis: The crime has been committed, the criminal has fled the scene, and it is up to you to investigate to determine what has happened! Throughout the course of the week, you will learn many of the skills necessary to analyze crime scenes like the analysts you see on TV. We'll be studying the impressions left by tools, analyzing shoe prints to determine who was at the scene, and burning sample fibers for identification. You'll also be searching for trace blood and investigating fracture patterns of glass! The evidence is there, but can you find it and determine whodunit?					
	Life of a pirate: Ever wondered what it would be like to live like a pirate? Here's your chance to search for treasure, build your own cannons, design your own fishing pole, and create your own ship to haul away your gold. You'll even have your try your hand at constructing a treasure chest. Please note that campers will be watching 20-30 minutes of pirate based movies each day and doing activities that relate to those clips. Some movie clips are rated PG-13 mostly related to minor violence (sword fights, no blood).					