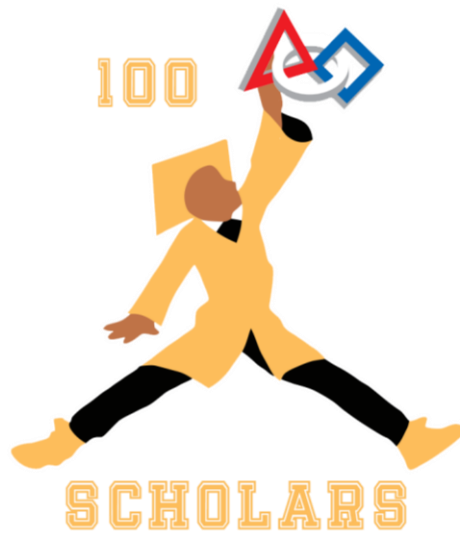


# 2016 Summer of Invention & Innovation

(Gaining S.T.E.M Power)

Summer Program



June 6 – July 29, 2016

241 Peachtree Street, N.E.  
Atlanta, GA 30303

*Sponsored by Georgia Power and 100 Black Men of Atlanta, Inc.*

# 2016 Summer of Invention & Innovation (Gaining S.T.E.M Power)

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# 2016 Summer of Invention & Innovation (Gaining S.T.E.M Power)

## Program Information

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### Site Location

100 Black Men of Atlanta Robotics Training Center  
241 Peachtree St., NE  
Atlanta, GA 30303  
Suite 200 (2<sup>nd</sup> Floor)  
(404) 418-9530  
FAX: (404) 525-6124

### Daily Program Dates & Hours

June 6 – July 29, 2016

9:00 - 4:30 (academic core program)

- All students are expected to arrive within that time frame or be marked tardy. Excessive tardiness or absenteeism may result in removal from the program.  
*\*Students may begin arriving at 9:00 am.*
- **All students should be properly signed in daily by a parent or an assigned adult.** For safety reasons no student should be dropped off or left unattended before the start of the program.
- Students may begin to be picked up at 4:00 pm but **no later than 5:00 pm.** Excessive late pick-up may result in removal from the program.

### Meals/Snack

- Lunch will be held from 12:00pm – 1:00pm each day
- Each student is responsible for providing his/her own lunch/ snack.

### Dress Code/ Code of Conduct

- Students should dress appropriately at all times. **No halter tops, revealing tank tops, shorts or skirts no more than 2 inches above the knee, t-shirts with vulgar messages or language or excessively baggy shorts/pants will be allowed.** Closed-toe shoes are recommended.



- Your student is expected to exhibit appropriate behavior at all times. **Horseplay, bullying, and disrespectful behavior will not be tolerated. All cases of inappropriate behavior will be recorded followed by parent notification.**

**\*\*Repeated behavioral offences will result in removal from activities and/or program.\*\***

### Program Activities at a Glance

The Summer of Innovation and Invention activities will be led by 100 Black Men of Atlanta Robotics Staff, collegiate alumni and current high school members of the 100 Scholars Robotics Alliance. They have participated in robotics programs throughout the school year, and have been trained to lead their peers for the duration of the camp.

- All activities of the Summer of Invention and Innovation are centered on the advancement of STEM and STEM principles in today's society.
  - Students will gain a thorough understanding of the invention process by studying African American Inventors and the impact of their inventions.
  - They will be able to follow the process of invention while brainstorming, designing and creating an innovation of their own
  - Students will gain an appreciation of space exploration and its connection to robotics.
  - The student's knowledge of the invention process will be reinforced by the designing, building and programming of a **FIRST LEGO League robot using LEGO Mindstorms**.
    - The students' objective will be to create an innovative robot to complete missions on the 2015-2016 FIRST LEGO League (FLL) ([www.firstinspires.org](http://www.firstinspires.org)) competition field. This previous season's game is titled, Trash Trek. A competition will be held at the end of the camp, student groups to participate.
  - **SeaPerch Curriculum**- SeaPerch is an innovative underwater robotics program that teaches teachers and students to build an underwater Remotely Operated Vehicle (ROV). Students build the ROV from a kit comprised of low-cost, easily accessible parts, following a curriculum that teaches science, technology, engineering and mathematics (STEM) with a marine engineering theme. Throughout the project, students will learn engineering concepts, problem solving, and teamwork design skills and are exposed to all the exciting careers that are possible in naval architecture and marine/ocean engineering. ([www.seaperch.org](http://www.seaperch.org))

### Field Trip

- Your student will have the opportunity to participate in a STEM related field trip. They will be exposed to real-world applications of what they learn throughout the program.
- Field trip destinations and dates are to be announced.



# 2016 Summer of Invention & Innovation (Gaining S.T.E.M Power)

## Program Fee Structure

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The cost for this summer program is \$100.00 per week.  
This fee includes registration, tee-shirt and fieldtrips.

You are required to pay for each week that your student is present. The \$100 fee is due by **MONDAY** of each week your student is present. If he/she is absent for the week, the fee is not required to be paid.

A scholarship is available for those students who receive Free/Reduced Lunch.  
See page 7 for Scholarship Application. This scholarship covers the program and t-shirt fee. Field trip date & cost will be announced at a later date,  
**\*\*\*Documented proof of free/reduced lunch is required\*\*\***

Cash and Checks are accepted.

Please make checks payable to:

100 Black Men of Atlanta  
241 Peachtree St., NE  
Atlanta, Georgia 30303



# 2016 Summer of Invention & Innovation (Gaining S.T.E.M Power)

## Student Information/Emergency Contact/Medical Information

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Student Name \_\_\_\_\_ Age: \_\_\_\_\_ T-Shirt Size: \_\_\_\_\_

Rising Grade Level: \_\_\_\_\_ Current School: \_\_\_\_\_

Parent(s) Name: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Mom's cell: \_\_\_\_\_

Dad's cell: \_\_\_\_\_ Alternate: \_\_\_\_\_

Mom's Work: \_\_\_\_\_ Dad's WRK: \_\_\_\_\_

Mom's Email: \_\_\_\_\_ Dad's Email: \_\_\_\_\_

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Emergency Contact: \_\_\_\_\_

Relationship: \_\_\_\_\_

Email Address: \_\_\_\_\_

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Additional authorized persons to pick up:

Person	Relationship
_____	_____
_____	_____
_____	_____

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Allergies or medical concerns: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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# 2016 Summer of Invention & Innovation (Gaining S.T.E.M Power)

## Parent Permission Forms/Notification

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**Permission for Photographs**

\_\_\_\_\_ has my parental permission to be  
(student name)  
photographed for program/media purposes.

\_\_\_\_\_ (parent signature) \_\_\_\_\_ (date)

\*\*\*\*\*

**Permission for Field Trips/Travel**

\_\_\_\_\_ has my parental permission to travel  
(student name)  
and/or participate in field trip activities. I am aware that my child may not be allowed to participate if he/she does not wear the required t-shirt.

\_\_\_\_\_ (parent signature) \_\_\_\_\_ (date)

\*\*\*\*\*

**Notification Confirmation**

I have read the *Program Information* hand-out and agree to abide by the program policies and procedures.

\_\_\_\_\_ (parent signature) \_\_\_\_\_ (date)



# Summer of Invention & Innovation 2016 (Gaining S.T.E.M Power)

## Scholarship Application

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A number of scholarships are available for students who receive free/reduced lunch at his/her school. Scholarships are awarded on a case-by-case basis. Applications are reviewed in order in which they are received.

Name: \_\_\_\_\_ Grade: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_

Zip Code: \_\_\_\_\_ School: \_\_\_\_\_

Why does your child need a scholarship? (Please give examples, such as loss of job, medical bills, education expense, etc.) Please attach proof of Free/Reduced lunch or proof of income.

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How will your child benefit from this camp experience?

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Student must answer the following: Why would I like to be selected to participate in the Summer of Invention and Innovation, how will I benefit?

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