Welcome to

the ARTEM!S PROJECT 2016

at Boston University

Meet the Coordinators! -- Erika Becerra

- From Pasadena, CA

- Rising senior at BU

- Major: Computer Science

- I love listening to music and cooking

- I volunteered as an instructor for Girls Who Code during the past school year.

- I chose to major in computer science because it depends on logic and creativity equally.

History of the Artemis Program

- The Artemis Project was founded in 1996 at Brown University

- Artemis expanded to Boston University in 2011 and this is the sixth year at BU.

- The mission of the Artemis Project is for young women to learn about computer science and engineering in a fun and interactive way:
  - Engaging in hands-on activities, programming, and learning theory based concepts
  - Interacting with female role models who are also passionate about their research and careers
  - Having fun learning with peers who share their same interests

A Typical Day

9:00	• Arrive to campus (on Babbit Street)
09:00 - 10:30	• First Computer Lab Period
10:30 - 10:45	• Snack Break
10:45 - 11:50	• Second Computer Lab Period
11:50 - 12:50	• Lunch Break (at George Sherman Union)
1:00 - 2:00	• Theory Lesson
2:00 - 2:45	• Speaker/Theory Lesson
2:45 - 3:00	• Wrap Up
3:00	• Pick up

Topics You Will Learn

Morning Lessons

- Scratch
- App Inventor
- HTML
- CSS
- Python
- 3-D Design
- Robotics
- Arduinos

Afternoon Lessons

- Programming Fundamentals
- Careers in Computer Science
- Cryptography
- Artificial Intelligence
- Binary Numbers
- Algorithms
- Graph Theory
- Set Theory

Meet the Coordinators! -- Alexia Chiclana

- From Orlando, FL

- Rising Junior at BU

- Major: Mechanical Engineer

- I was on an FLL Robotics team when I was 14.

- I became an engineer because I like to know how things work.

- In my free time I like to sing and play Quidditch.

Guest Speakers

One of the goals of Artemis is to provide girls with female role models!

- These speakers include BU professors and CS professionals working in the industry.

- They help coordinators with teaching topics as well as show real world applications.

- We will hear about their research and learn about some cutting edge discoveries in CS!

- Speakers will come from both CS and Engineering backgrounds.

What's for Lunch?

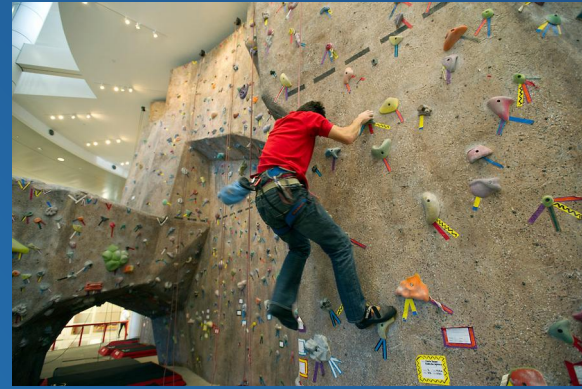Each student will get $8.00 in dining points on a **terrier card**

Places to Go:

o **Rhett's** (diner food, grill, Richardson's ice-cream)

o **Panda Express** (Chinese food)

o **Loose Leafs** (salad)

o **Charles River Bread Company** (sandwiches)

o You can also bring a bagged lunch; there is a microwave in the GSU

Friday Field Trips!

This year we plan to visit…

- BU FitRec for Rock Climbing

- Google

- NV Bots

- Quickbase (formerly Intuit)

- Level up

- IEEE: Beauty of Control Workshop

- Field Day

Meet the Coordinators! -- Claire Russack

- From Old Greenwich, CT
- Rising Junior at BU
- Major: Computer Science
- I'm in an all-female A Capella group!
- I enjoy reading, movies, running, and playing guitar
- I started to teach myself to code two years ago and then switched into the major

Final Presentations

At the end of the program, students will present a topic they learned about at Artemis. This offers a chance for the young women to show you what they have learned, but also cultivate real-life career skills!

What: Presentation and Reception

When: Thursday, August 4th, 3:00 - 5:30 pm

Who: Families and Friends are invited!

Conduct

- Students may only visit websites relevant to the Artemis curriculum (no Facebook, Twitter, Tumblr, Blogs, etc...unless we are programming it ☺)

- Cell phones must be put away and turned off unless for emergencies, or during breaks

- Keep the lab clean! Food is not allowed in the lab. Water bottles must have a safety cap.

- We expect students to treat their peers, the coordinators, and guest speakers with respect. **We have a zero tolerance policy for bullying.**

Conduct cont.

•We expect students to be attentive and respectful at all times, **especially on <u>field trips</u> and when we have <u>guest speakers</u>.** You are representing Artemis and Boston University, and we want to make a good impression.

•If a student will be absent, please give advance notice if possible! If you are late due to unforeseen circumstances, please call us at the Artemis number as soon as possible.

Meet the Coordinators! -- Jennifer Tsui

- From Lafayette Hill, PA

- Rising Senior at BU

- Major: Computer Science

- I like eating food, going to concerts, visiting art museums, and reading.

- In high school, I participated in the Technology Student Association, FIRST Robotics, and Mixed Martial Arts.

- My first exposure to computer science was a programming class in college. I liked it a lot, so I decided to major in it!

Special Notes to Parents

- Parents may call the coordinators during regular program hours in case of emergency. *Please do not call/text your daughter directly during program hours as her phone will be switched off!*

- During the program, you can contact us and we will give your daughter a message:
    - artemis@bu.edu
    - (617) 528-0985

- You have indicated on the transportation form how you wish for your daughter to get home from Artemis, we will be sure to follow your wishes

- Public Transit: Green B Train to BU Central; Bus: 57, stop: St. Mary's

General Tips

o   Wear comfortable clothing (sneakers, etc.) and bring a water bottle. We will be doing outdoor activities!

■   Bring a hair tie if you have long hair as some labs may require it.

o   Bring a sweater or a sweatshirt. The building is air conditioned.

o   Bring a notebook and pencil to take notes.

o   Come with an open mind ready to learn, have fun and meet new friends!

Questions?

Contact Info:
artemis@bu.edu
(617) 528-0985