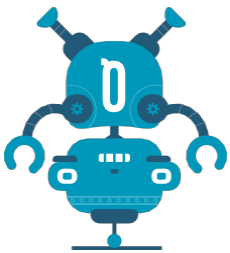
QUANTEGY, LLC

DATA SCIENCE/STEM TRAINING & CONSULTING SERVICES

Summer 2019 | Ages 7 - 14

Quantegy Learning Bootcamps today, artificial intelligence tomorrow!

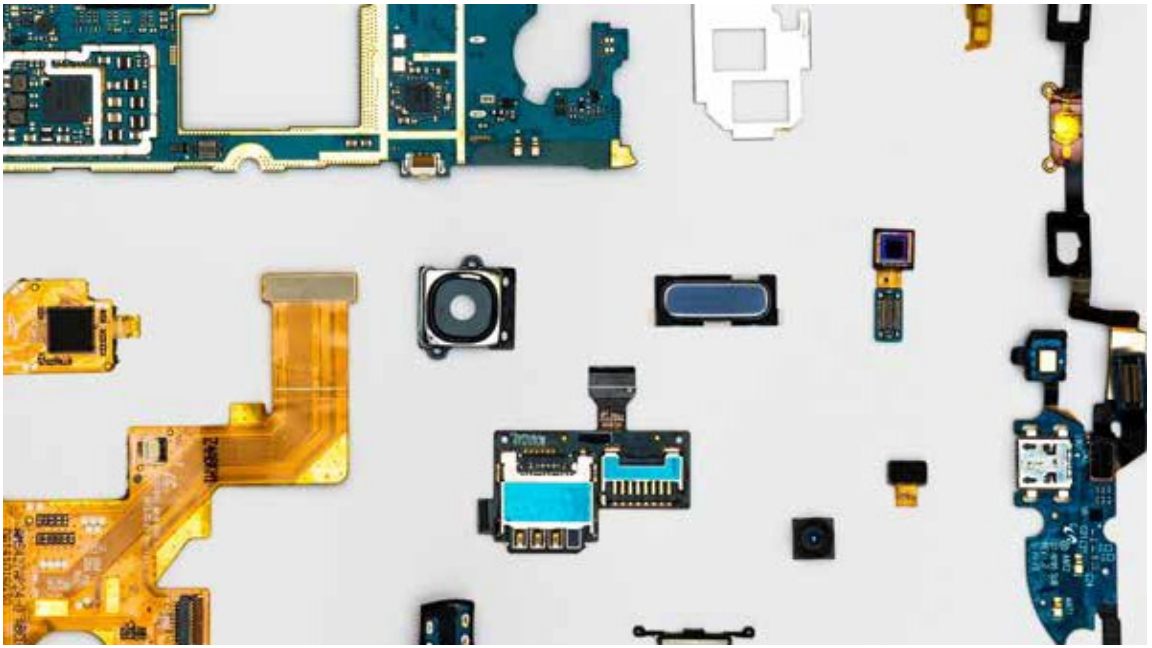
Nobody knows what the world of tomorrow will bring. With so many new technologies revolutionizing the world; science, technology, engineering and mathematics (STEM) skills have never been more important. Our cutting edge summer camp program teaches students to think like the engineers of tomorrow.



The Quantegy Learning Program

The Quantegy Learning program begins with our Robotics Summer Bootcamp. After completing the course, students will understand how to design, build, and control robots. Students will also learn how to design objects with the TinkerCad software and how to print the design with a 3D printer. Students will finish the course with a completed prosthetic hand that will be delivered to a recipient in need.

The camp consists of two parts: A session on Robotics and a session on 3D printing. During the morning sessions students will learn how to design, build, and control robots. During the afternoon sessions students will learn to use the TinkerCad software to design a prosthetic hand. Students will have the opportunity to print their designed prosthetic hands with a 3D printer and will be supported by a non-profit organization to deliver the printed hands to people in need of prosthetics. On the last day of the camp, students will compete in a robotics competition to stand the chance of winning a 3D printer. Students will also receive a certificate of completion.



All classes will be taught at Texas A&M University-Central Texas in Kileen, TX 76549.

World class innovation center

3D Printers

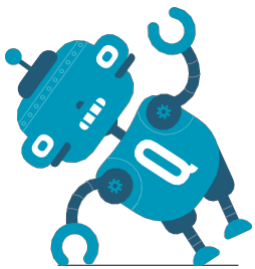
Spend your summer at one of America's greatest colleges

Learn from real college professors

Teaching our Children to imagine gender equality in the tech space of the future

"I am working to build a future where the girls I teach today have equal opportunities to become our nation's engineers, mathematicians and tech entrepreneurs of tomorrow."

Dr Mienie Roberts, Professor of Mathematics at Texas A&M University-Central Texas and co-founder of Quantegy LLC.



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Camp Schedule

Day 1:

Robotics: Programming Robots (Part 1)

- Learn about robots
- Build a robot part: simple sensors
- Make a box model robot with sensors
- Learn about programming

Design:
Introduction to design:

- Introduction to Engineering
- Learn about the TinkerCad Software
- Create basic shapes using the TinkerCad Software

Day 2:

Robotics: Programming Robots (Part 2)

- Write a program for a robot

Design: Design a prosthetic hand:

- Students will design a generic prosthetic hand

Day 3:

Robotics: Designing Robots (Part 1)

- Pick a challenge
- Explore possible solutions
- Plan your prototype

Design:
Connect with a recipient

- Students will collaborate with a non-profit organization to find a recipient for the design
- Customize the design for the recipient
- Complete the design with the TinkerCad software

Day 4:

Robotics: Designing Robots (Part 2)

- Build a prototype
- Get feedback on your robot.

Design:
Use a 3D printer to print the prosthetic hand

- Introduction to 3D printing
- Print the design

Day 5:

Robotics: Showcase Robots:

- Students will compete in a Robotics competition for prizes including a 3D printer.

Design: Presentation of Projects

- Students will present the printed prosthetic hands to an audience

Students will outline steps to follow up on the delivery of the hands to the recipients with the support of a non-profit organization

Details

Ages 7-14- co-ed

Weeklong summer camps

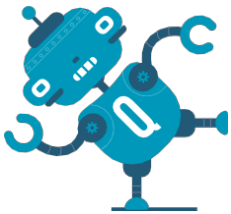
Kileen, Texas USA

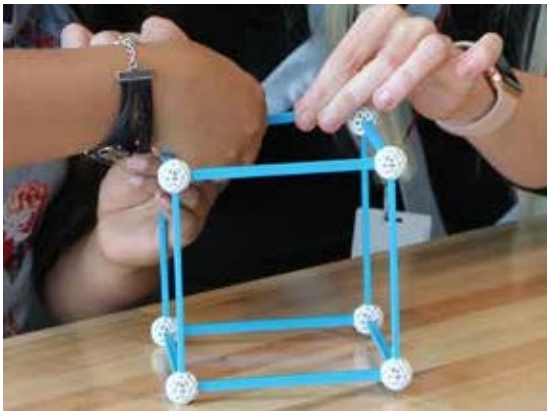
$1,000 USD

Your instructors

Instructor: Dr. Mienie Roberts
Dr. Mienie Roberts is an Associate Professor in Mathematics and holds a Ph.D. in Mathematics degree. She has experience in projects involving the 3D printing of prosthetic hands and instructional materials. She is a recipient of the Texas A&M system's "Chancellor's Academy of teacher educators" - award.

Instructor: Mr. Sam Jackson
Mr. Sam Jackson is a professor in Engineering and holds a Bachelor's degree in Mechanical Engineering and a Master's degree in Industrial Engineering. He has experience teaching robotics classes and preparing students for robotics competitions.





Camp Upgrades

Building robots is all about making STEM fun and Quantegy provides the option for delicious, nutritious meals to be provided daily. Before and after camp care is available for parents who need the extra support over the summer months.

How to Register

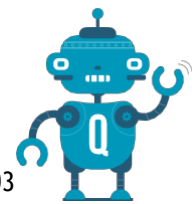
Step 1- Find a camp at the Quantegy Learning Homepage

Step 2 - Complete our online enrolment form and choose your payment option

Step 3 - Get ready for a summer camp experience you will never forget!

Payment accepted by **Check** and **Creditcard** using the **PayPal.** Payment plans are available.

Contact Quantegy at:
118 Harvest Loop, Harker Heights
TX, 76548



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