

# GEEKBUS

## What is the Geekbus?

The Geekbus is a mobile makerspace that travels to schools to provide a reverse fieldtrip experience for students by bringing STEM education experiences to your classrooms. The Geekbus helps students build confidence with technology skills through hands-on learning.

## Geekbus Methodology:

The goal of all Geekbus programs is to inspire and spark students' interest in skills needed for the 21st Century. We teach students the value of "Design Thinking," so that they can apply it to solve problems that not only exist in science and technology, but in their daily lives as well.

## Geekbus Community:

The Geekbus program is operated by SASTEMIC, a San Antonio nonprofit organization aimed at connecting education, business, industry and military to bolster the local STEM economy. Rackspace, Geekdom and the 80/20 Foundation are also strategic partners in support of the Geekbus.

[www.sastemic.org](http://www.sastemic.org)

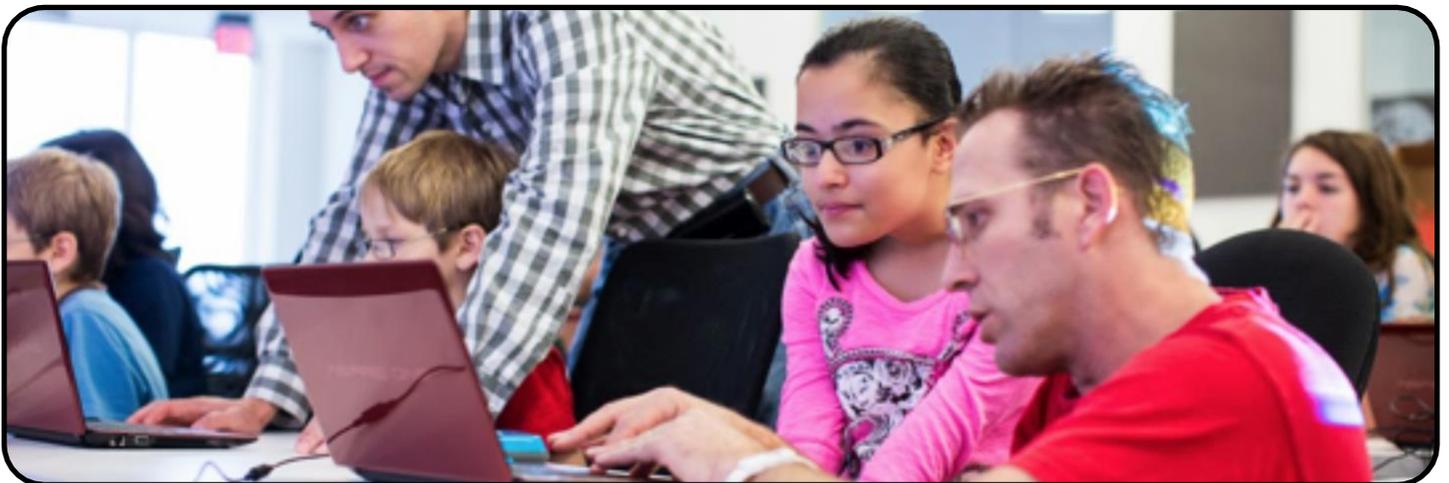
[www.geekdom.com](http://www.geekdom.com)

[www.rackspace.com](http://www.rackspace.com)

[www.8020foundation.com](http://www.8020foundation.com)

## About SASTEMIC:

SASTEMIC is a San Antonio-based 501c3 advocacy group and **connectory** for Science, Technology, Engineering and Math (STEM). We are "the go-to organization for STEM in San Antonio". Our mission is to advance STEM education and economic development to bolster the connections between K-12, college, industry, and government for the San Antonio area



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## Education Programs

### Robotics (Kinder - 12th grade)

Students will learn the basic foundations of robotics and how to program robots using math and measurements to achieve defined objectives.

### Video Game Design (Kinder - 12th grade)

Students will learn the fundamentals of computer programming and design their own video game that they will be able to use and continue to modify outside of the classroom.

### Renewable Energy (5th - 12th grade)

Students will design their own prototype for a wind turbine blade and then test its efficiency using professional engineering technologies.

### 3D Printing (5th - 12th grade)

Students will enhance their spatial reasoning skills by developing 3D models using Computer Aided Design software. Student created designs can be printed out on 3D printers.

### Programming with Raspberry Pi (9th - 12 grade)

Using the Raspberry Pi computer, students will learn fundamental elements of computer hardware design and learn how to perform basic functions in the Python programming language.

### Geekbus Pricing

\$1,500 per day would provide 2 sessions for up to 30 students, lasting 2.5 hours each and a tour of the Geekbus with a separate STEM presentation. **You choose the program(s)**. Our team will provide all the necessary materials for the experience; all your school needs to have is a classroom and eager students. Additional days at your location would only be \$1,000 per day. *Special pricing is available for Title 1 Schools at a rate of \$1,000 per day, and additional days at your location for \$800 per day.*

