GMU STEM
Summer Camp 2018

Details
Time: 9:00am to 3:30pm
Fees: $275
Session Types: BYOD (Bring Your own Device)

JULY 9-13
Topics: Introduction to Engineering
Grades: 9th grade & up
Desc: Topics include mechanical, civil, electrical and bio-engineering. Students learn how machines work to design and construct new ones to solve problems.

JULY 16-20
Topics: Art of Programming in Python
Grades: 8th grade & up
Desc: The camp starts with problem solving followed by syntax of python. Students will work in teams projects like 4 function calculator and games.

JULY 23-27
Topics: Big Data
Grades: 8th grade & up
Desc: Learn the basics of big data and data visualization. Covers how to manage data using various data analysis techniques, visualize data, interpret data and prepare reports.

JULY 25-29
Topics: Statistics: Learning by doing
Grades: 8th grade & up
Desc: Students learn about statistics by doing statistics: designing studies, collecting data, analyzing their results, preparing reports. Statistics help develop a better understanding.

JULY 9-13
Topics: Intro to Engineering
Grades: 6th, 7th & 8th grade
Desc: Topics include mechanical, civil, electrical and bio-engineering. Students learn how machines work to design and construct new ones to solve problems. understanding.

JULY 16-20
Topics: HTML 5, CSS, JavaScript
Grades: 5th, 6th, 7th & 8th grade
Desc: Covers current trends in web designing & how internet works, HTML basic and advanced tags, all three types of cascading style sheets. Students create websites, apps & programs.

JULY 23-27
Topics: ACSL to AP Computer Science
Grades: 8th grade & up
Desc: This camp is right for those who want to enhance their skills on computer programming. In addition to java, you will learn digital electronics, boolean algebra, lisp and lot more.

JULY 23-27
Topics: Intro to Networking & CyberSecurity
Grades: 9th grade & up
Desc: Learn the basics of networking and cybersecurity. You will learn how to protect personal devices and info from threats. Includes ethical hacking & forensics.

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