

Introduction

As many minorities struggle just to finish high school. A Bachelor's, Master's, and Doctoral degrees seem to be wishful thinking. Let alone degree's in STEM subjects such as Engineering, Computer science, Physic, and Mathematics. Contributing to the underrepresentation of minorities in these fields are persistent stereotypes that minorities are not interested in STEM. It is critically important that these stereotypes are dispelled. We are offering a 5-weekend STEM program. Our program is designed to inspire youth to see STEM careers as a possibility.

STEM WEEKEND PROJECTS

VISION BUILDER ADVENTURES

WWW.VISIONBUILDER.ORG

STEM Statistics

According to the Census Bureau in 2011.

63% of jobs are in the STEM occupations.
(excluding military-specific occupation).

STEM occupations.

- 50% computer operations.

- 32% Engineers and Engineering technicians.

Men and women in STEM occupations.

- 26% Women
- 74% men

Minorities in STEM occupations.

- 4.9 African Americans
- 5.0 Hispanic Americans
- 21.5 Asian Americans



The Class

Our weekend program offers project based student- centered learning STEM classes. This program introduces kids ages 9-13 to professions in STEM fields. We help plan and deliver a project program that encourages kids to think like Engineers/scientist.

Aeronautics

Day 1

- * Study of the US Space program.
- * Establishing Team
- * Plan program

Day 2

- *Build
- *Launch
- *Evaluate

Robotics

Day 3

- * Origins of the Robot
- * Writing Robotic programs
- * A.I. in Robotics

Day 4

- * Build a Robot
- *Program a Robot
- *Run a Robot

STEM Fair

Day 5

- * Students teams will discuss their projects.

END

Themes

Engineering, Science, Mathematics, Computer Science, and Technology
