

INFAMOUS ROBOTICS LLC

TEACHING KIDS ENTREPRENEURSHIP BY BUILDING ROBOTS

Comment before the President's Council of Advisors on Science and Technology

Infamous Robotics®, a for profit limited liability corporation in Arlington Virginia, has developed a unique curriculum and approach to educating children about the robotics field. Our curriculum incorporates many aspects from design, engineering, art and entrepreneurship. Graduates of our core programs enter into an 8 month long process known as the Robotics Inventors Club®. It is here where concepts and lessons are applied into the construction of a robot built from the ground up without the use of any kits. This process has been referred to as 'a Start-up company run by kids.'

At Infamous Robotics, students are engaged by an innovative and unique curriculum designed to challenge students by increasing rigor in the classroom and produce high levels of achievement not only in the critical need areas of STEM but also the core content areas of English Language arts and Social Studies. This ambitious approach is accomplished by the delivery of the Robotics Inventors™ curriculum which has proven successful and is one that cannot be duplicated in the traditional classroom.

Proven results

A study was conducted for a period of 4 months that evaluated 110 of our students before and after participating in our curriculum. Prior to taking our courses, the average score of the students was less than 5/100 on a test about knowledge of robotics and engineering, whereas after taking our curriculum, the average score rose to 99/100 on this same test. These results clearly demonstrate the effectiveness of our curriculum. These are students who have had no exposure to robotics programs, students who have taken all of the existing robotics programs from other providers and students that currently attend STEM based schools.

Beyond multiple features in print, online and television, The Robotics Inventors Club won the prestigious Smithsonian Global Invent It 2015 challenge with their robot A.N.A. (Autonomous Nurse Assistant), successfully beating out thousands of teams from the across the globe.

Infamous Robotics® offers a range of programs to engage students at all levels in the curriculum and our studies have shown a significantly higher enrollment and retention of young women in our programs versus other robotics programs. This is a direct result of our curriculum/approach and our core passion to get more young women in the field of robotics and engineering.

Entrepreneurship and Robotics come alive

The future jobs for this country will be in hi-tech engineering and robotics, Infamous Robotics® has begun preparing our youth today through our programs to compete on a global scale with other countries. We will be holding a new type of competition event this coming year. This event will further engage students in activities related to entrepreneurship and robotics, taking our programs to a level before seen as unimaginable at these ages. This competition will lay the ground work for more robotics startups in this country to design the businesses and ideas of the future.

As a nation, we must do a better job preparing our children for this global competition for robotics jobs. PCAST has made many strides in this area; we ask that we be involved in these discussions, so that Infamous Robotics® can bring our experience and expertise to the table to assist in this national effort.

Thank you, Infamous Robotics looks forward to working with the Administration to ensure the children of our nation will be at the front of the line for robotics jobs and robotics innovation.

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