Seminole County
TechFest V

2200 West 13th Street, Sanford, FL 32771 • 407-320-5750

IT'S YOUR HI-TECH COMMUNITY
GET INTO IT

March 17, 2011
07:30AM - 12:00PM

.COM

WE APPRECIATE YOU

On behalf of Crooms Academy of Information Technology, I welcome you to the 5th Annual Tech Fest event! We are grateful to all sponsors and participants for the time, energy, and financial resources invested in making this event a success. Thank you! Tech Fest has become a tradition that our students, teachers, parents, and community look forward to each year. This event provides one of a kind opportunities for our students to network and interact with Information Technology professionals. It is also a critical funding source for scholarships provided by our Business Advisory Council to our students.

At Crooms, we celebrate a highly skilled faculty and staff, who are committed to the achievement of each student in both academics and information technology. We believe that the development of each student to his/her potential is an investment in our community's future. Thank you for providing experiences that broaden our students' scope and confidence.

This year's Tech Fest is sure to be an amazing event, thanks to you! I applaud your dedication to our students and to our future!

Dr. Connie Collins
Principal of Crooms AoIT

Seminole County Public Schools is educating our way to a better economy and Crooms Academy of Information Technology is at the forefront!

The knowledge based, Innovative Economy is here and the students at Crooms are prepared for new careers that were beyond our imagination just a few years ago! Crooms students graduate with Industry Certifications such as Microsoft Office Specialist, CompTIA Net +, Oracle Certified Associate, CIW Design Specialist, Adobe Photoshop Associate, CompTIA Linux+ and Adobe Flash Associate to name a few. These graduates enter college preparing for careers in areas such as modeling and simulation, optics and photonics, digital media, information technology, life science, clean tech, gaming, and the STEMM (Science, Tech, Engineering, Mathematics and Medicine) fields. An essential part of the Crooms educational experience is the internships and mentoring provided by area businesses.

Your participation allows our students and faculty to network and explore career-related topics. Thank you for providing these opportunities for our students and for supporting Tech Fest V.

Bill Vogel, Ed. D.
Superintendent of Seminole County Public Schools
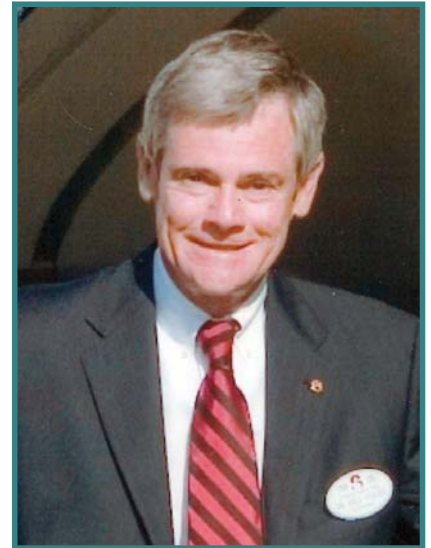
On behalf of Crooms Academy, I want to give you my heartfelt thanks for your involvement as a sponsor for Tech Fest V.

Tech Fest is one of Crooms Academy's signature events, providing our students with hands-on exposure to the world beyond the classroom through interactions with firms such as yours.

We could not provide Crooms' students this opportunity without your generous donation of time and resources.

Again, I want to thank you and express my hope that Crooms Academy will have an ongoing relationship with your firm.

Best regards,
Lou Reents
Fundraising Chair

THE HISTORY OF CROOMS ACADEMY

As Crooms Academy confronts the role of preparing students for a high tech world, it emerges on the grounds of one of the oldest high schools in Seminole County. Founded in 1926 by Professor Crooms as Seminole County's first high school for black students, Crooms has a rich and varied past. Professor Crooms and his wife, Wealthy, donated the land on which the school was constructed. Under their guidance and teaching, many doctors, lawyers, teachers, and business people graduated from Crooms.

Notable graduates include U.S. Representative Alcee Hastings; George Allen, the first black graduate of the University of Florida Law School; Oswald Bronson Sr., President of Bethune-Cookman College; and Bob Thomas, Sanford's first black city commissioner. Professor Crooms led Crooms Academy until his retirement in 1953.

In 1970 Seminole County was desegregated and Crooms lost its identity as a community high school. Its role changed several times and has included an administrative center, a school for students with behavior problems, and a place for pregnant teenagers. Most recently, it was a school for academically struggling students. In 1973, the original building burned and in the past years the other school buildings deteriorated. In 2000, the U.S. Justice Department agreed to lift Seminole's desegregation order by 2003 if the county met certain conditions. Included in this was rebuilding Crooms Academy and turning it into an academy of information technology.

Professor Crooms is remembered as a man ahead of his times as he broke educational boundaries for black students in Seminole County. Today, Crooms AoIT remains in this tradition as it establishes new territory in technology education at the high school level.

Crooms Academy of Information Technology is a dedicated magnet school that provides students with a wide range of education choices. In addition to graduating with a regular high school diploma and a National Academy Foundation Certificate, every student will be afforded the opportunity to select from a wide variety of Information Technology Certifications. Some of the certifications offered are A+, MOUS, MCP, CCNA, MCSE and many more.

STUDENT SHOWCASE

BPA

Top students from Crooms AoIT attended the Business Professionals of America (BPA) 2011 State Leadership Conference, "Stand Out From the Crowd," in Lake Buena Vista, FL, February 4-6, 2011. Crooms chapter members joined over 500 other conference delegates from across the state to participate in state level business skills competitions, workshops, general sessions, and the state officer candidate campaigns and elections.

Junior Vasu Mody placed the highest of any underclassman on the Parliamentary Procedures test and has been appointed the 2011-12 Business Professionals of America State of Florida Parliamentarian. Members placed in the top two in seven team events and the top five in nine individual events. Thirty members are advancing to the National Leadership Conference in May in Washington, DC.

LANfest

LANfest was started in 2009 by Mr. Hopkinson, Mrs. Paladino, Mr. Gallant, Ms. Benton, and Mrs. Reynolds, as a fun way for the gamers of Crooms to use their networking skills in a real world situation. In 2010, Mr. Donnan took over as director of LANfest and with the help of Mrs. Paladino, Mr. Gallant, Ms. Benton, and several students, managed to create a bigger and better event! LANfest 2 was the first time gamers gave back. Crooms donated $500 dollars to Child's Play, a national charity that donates books, movies and video games to pediatric hospital wards across America and Canada.

This year's LANfest is going to be new and improved; we plan on tripling our donation to Child's Play, while splitting our profit to help out with the 2011 senior prom. Special thanks to EA, Gamestop and our business partners for helping out with this year's LANfest!

If you would like more information about LANfest or the Child's Play charity please email Mr. Donnan at clayton_donnan@cait.scps.k12.fl.us.

Top Chef

The Key Club of Crooms Academy is proud to present the 2nd Annual Top Chef Event which is a competition between our student chefs who showcase their top culinary dishes for the Crooms community. Students and staff pay a fee of $5.00 to sample the offerings and complete a scoring card for each chef. The top scoring chef will earn a trophy and be awarded the title of "Top Chef.'

All proceeds from Key Club fundraisers benefit the American Cancer Society's Relay for Life Event, UNICEF's Project Uruguay, and the Santa Pack Donation Outreach for the Arnold Palmer Hospital for Children.

TECH FEST V SCHEDULE

7:20 - 7:55	First Period (Students receive schedules.)
8:00 - 8:40	Session 1
8:45 - 9:25	Session 2
9:30 - 10:10	Session 3
10:15 - 10:55	Session 4
11:00 - 11:45	Lunch
11:50 - 12:55	Field Day Session 1
12:55 - 2:00	Field Day Session 2
2:00 - 2:20	Dodgeball Finals

8:00 – 11:00	Exhibit Hall
7:00 – 1:00	Hospitality in Media Center
11:30	Lunch for Presenters
6:00p.m. – 6:00a.m	LANfest

	Keynote Speakers Cafetorium	Exhibits w/ Sponsors Gym	Workshop Classrooms	Workshop Classrooms
Session 1 8:00 - 8:40	Seniors Freshmen	Juniors	Sophomores	
Session 2 8:45 - 9:25		Freshmen	Sophomores	Seniors Juniors
Session 3 9:30 - 10:10	Juniors Sophomores	Seniors	Freshmen	
Session 4 10:15 - 10:55		Sophomores	Freshmen	Seniors Juniors

TABLE OF CONTENTS

Map of Booths (gym)

Symantec	ERAU	Reynold's Right Hands	Networking	Graphic Design	IADT	DeVry University	Lockheed Martin	Lockheed Martin
Symantec		ITT Technical Institute	Air Force	Convergys	Intro to IT	NCS		Internships
Signage Table		Seminole State College		EA	Experimental Science	Keiser University		Programming
	Gaming	Dell	A+	UCF	Web Program	Army	Digital Design	
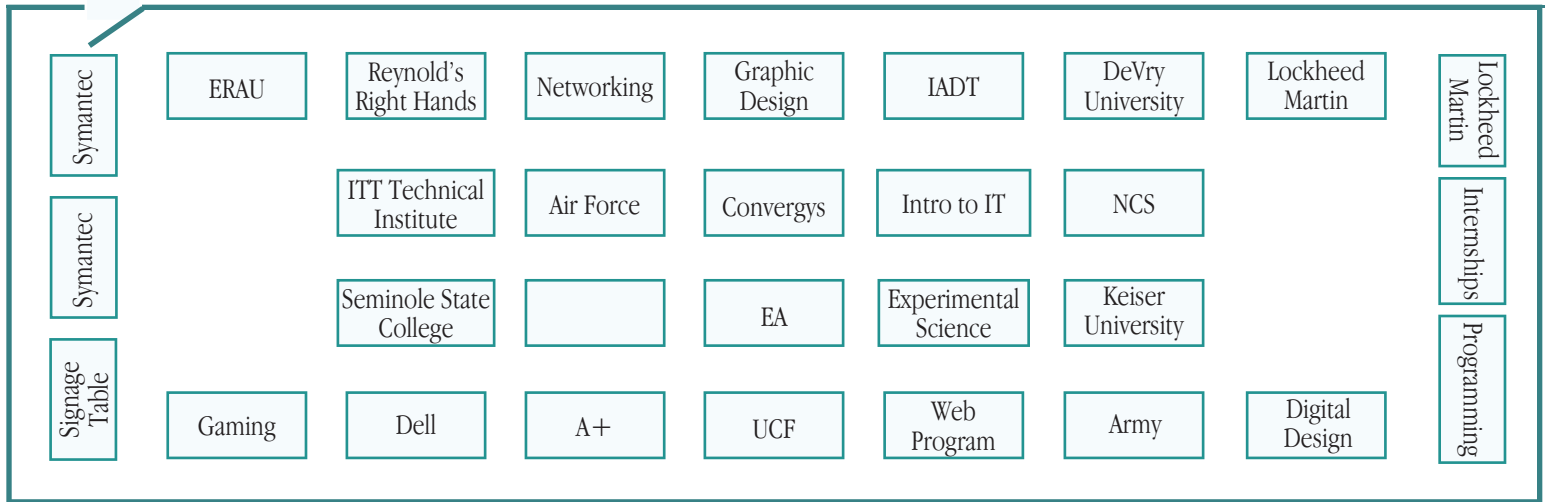
Workshop Schedule

10th Grade

	Room 226	213	211	115	114	224
Session 1 8:00 - 9:25	Introduction to Geographic Information Systems	Dream It, Live It!	Burning the Box	Fly High, Save Lives!	Strength in Knowing, Power in Believing	Social Media in the Business World

11/12th Grade

	Room 123	209	128	130	132	212	228	125	201
Session 2 8:45 - 9:25	Acing the Interview	What You Need to Know About the Music Business	Managing IT in your Flip-Flops!	A Crazy-Cool YOU!	Rules of the Game	Making Movies and Games	SIM Man	Computer Based Music Production	Tips From the HR Team… Land that Job!

9th Grade

	Room 226	213	211	206	114	224
Session 3 9:30 - 10:55	Introduction to Geographic Information Systems	Dream It, Live It!	Burning the Box	From Scratch Disk to Green Screen in Less than 2 Hours	Strength in Knowing, Power in Believing	Social Media in the Business World

11/12th Grade

|	Room 123	209	128	130	132	212	228	125	201
Session 4 10:15 - 10:55	Acing the Interview	What You Need to Know About the Music Business	Technology is Everywhere! Find Your Niche so You can Do What You Like	A Crazy-Cool YOU!	From Kid to College to Career	Making Movies and Games	SIM Man	Computer Based Music Production	Tips From the HR Team… Land that Job!

POSTER CONTEST WINNER

1st Place:
Eric Lopez
Senior

About the Contest

Students from Crooms AoIT created their own individual TechFest posters for this year's poster contest. The winner of the poster contest gets the honor to have their own personal design as the cover of the TechFest program. The student receives a $120 gift certificate and an invitation to the sponsors' luncheon to be recognized for their work. There are certain guidelines that need to be followed; for example, the Crooms Academy logo and the SCPS logo must be placed on the poster along with the slogan "It's your Hi-Tech Community; Get into IT." The students this year did an awesome job with their posters and. Everyone is encouraged to participate in the poster contest each year and partner with the TechFest team.
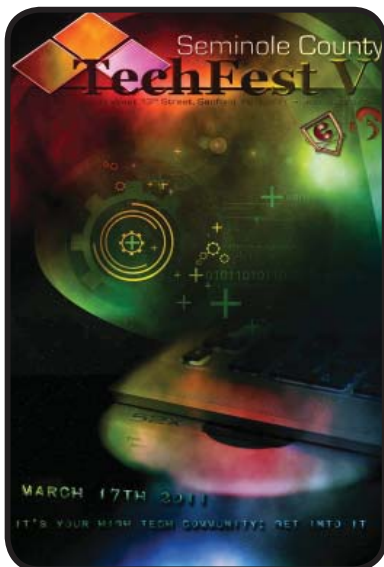
2nd Place: Chad Brohard

3rd Place: Zaimi Jimenez
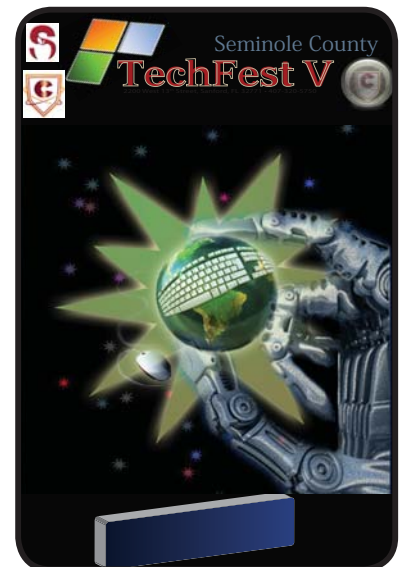
4th Place: Siddique Juman

KEYNOTE SPEAKERS

Michael R. Macedonia

Michael R. Macedonia (Mike) is a Vice President and Chief Scientist for SAIC's Analysis, Simulation, System Engineering, and Training Business unit. Prior to joining SAIC, Macedonia was the General Manager for Forterra Federal Systems in Orlando, Florida, which was acquired by SAIC. Forterra was a leading developer of virtual worlds software for enterprise applications. Dr. Macedonia also was a Senior National Intelligence Executive and the Director of the Disruptive Technology Office (now IARPA) for the Office of the Director of National Intelligence. DTO was the intelligence community's centrally funded research activity for advanced technology.

Prior to DTO, he was the Chief Technology Officer for the U.S. Army Program Executive Office for Simulation, Training and Instrumentation (PEO STRI) in Orlando, FL. At PEO STRI, Macedonia was responsible for developing the technology strategy for the U.S. Army's lead training technology acquisition organization. He also led the Army's effort to develop the Institute for Creative Technologies at the University of Southern California, promoted the adoption of advanced commercial technologies for simulation, and served on the Army Science Board for several years as a government representative. He also served as Vice-president of the Fraunhofer Center for Research in Computer Graphics, Inc. in Providence, Rhode Island, where he led an international research team.

He served on the editorial board for IEEE Computer for eight years and was a contributing editor. He is currently the Chair of the Association of Computing Machinery's SIGGRAPH Pioneers. Dr. Macedonia has a Ph.D. in Computer Science from Naval Postgraduate School where he was part of the NPSNET research group. He also has an M.S. in Telecommunications from the University of Pittsburgh and a BS from the United States Military Academy, West Point.

Brooks Kimmel

Brooks Kimmel began his career in the space industry as an industrial hygienist protecting workers from chemical and manufacturing hazards. After several years, he was promoted to a safety engineering position designing safety protocols for people working with highly hazardous and pressurized systems. This experience provided an opportunity for him to serve where he currently is working as Deputy Director of Safety, Health and Mission Assurance for Abacus Technology Corporation at NASA's John F. Kennedy Space Center (KSC), Florida. Abacus runs the spaceport Information Management and Communications Services for KSC. This contract provides communication, imaging, graphic, and IT services for the astronauts and the entire spaceport at KSC.

His duties include guiding a group of highly talented engineers as they pave the way for a safe and healthful work environment. In addition, he ensures the success of each mission by leading a team of system, quality and reliability engineers to be certain critical systems never fail. Brooks has also been a member of the NASA Speaker's Bureau since 2005 and has provided presentations on Spin-off Technology, Dreaming Big, coping with change, conflict resolution and Space Engineering - Helping the World. He has presented talks from a small group of kindergartners all the way up to being the Key Note speaker at national engineering conventions.

Prior to working KSC, Brooks was a science teacher at Bayside High School in Palm Bay, Florida. Brooks taught chemistry, physics and space science. His educational experience also included coaching football and track, as well as announcing basketball and wrestling events. He presented teaching methodology at countywide conferences and developed district-wide FCAT practice assessment tests.

"Why We All Will Be Playing 'Ender's Game'" by Michael R. Macedonia

In the book "Ender's Game" by Orson Scott Card, simulation became reality in the not too distant future. This workshop explores how simulation and gaming are becoming essential technologies for work as well as play in the 21st century. The simulation community in Orlando will be a big part of this fast emerging future.

"A Crazy-Cool YOU!" by Jada Collins

How we feel about ourselves is connected to how we make friends, interact with others, and make choices. What we see around us and how we cope with our CRAZY expectations of ourselves also affect our self-concept. With the rise of social media, gaming, and provocative programming, a new self-esteem concept is emerging – Love You, Live Healthy, and JUST BE YOU! Is it possible to love yourself, live healthy, and Just Be You? Can we really ignore our judgemental eye when looking at ourselves in the mirror or comparing ourselves to society's superstars? Can we really focus on living a fun, healthy, crazy-cool life as we embrace who we really are? Yes, we can! This workshop will encourage you to collect practical tools to enable you to be "A Crazy-Cool YOU!"

"Dream it, Live it!" by Tina Holden

Are you ready to live your Dream? What is that dream? To be wealthy? Own your own company? Be a successful entrepreneur? Before you can actually live your life dream, you must know what that dream is! In Tina's workshop, you will be able to really identify and visualize what your life's dream is, and then how to chart a path to achieve it! You are never too old (or too young) to start living your dream. But, you must first KNOW what that dream is.

"SIM Man" by Kellen Nixon

Come and join the Orlando Science Center as they investigate the various health care careers and amazing opportunities that involve patient simulation and other training technologies. The programmatic centerpiece of the initiative is a patient simulator named "SimMan," which is used to lead a number of health care scenarios that expose students to the roles and responsibilities of many health care professionals in the industry. This session will explore the technology and training aspect within health care and examine the world of Modeling and Simulation being used to advance this ever-growing field.

"Managing IT in your Flip-Flops" by Don Campbell

The session will discuss and show how technology has advanced to allow management of data centers and networks from anywhere in the world, even the beach. It will show real-world examples of why an IT Director or Manager position doesn't have to be a 9-5, white-walled job.

"Dream Big" by Brooks Kimmel

Where will your dreams, passions, desires and hard work take you? As a wise friend once told me, "Without vision, people perish." To keep us from feeling as if life is mundane and void of meaning or purpose, it is vital that we research what matters most to us and as we discover that which we care most about — we live with expectations of great things. Discovering my dreams is one of my favorite things to do because it unlocks my vision, goals and objectives and allows my creativity to expand. During our time together, we will talk about dreams, life's difficulties along the way and the amazing things that happen as we live out our dreams.

"Technology is Everywhere! Find Your Niche So You Love What You Do" by Adriana Linares

A niche is a position particularly well suited to the person who occupies it. Ok, but what does that mean to you? Attend this session to figure out where your niche could be and get your creative and technology juices flowing about your future as an expert in your favorite industry no matter what that is!

"Introduction to Geographic Information Systems" by Lakshmi Sankaran, Al Hill, and Mira Bourova

This workshop will introduce students to the concept, technology and applications of Geographic Information Systems (GIS). This will include a short presentation and then a hands-on exercise in the use of Esri's ArcGIS technology for spatial analysis and problem solving.

"Social Networking in the Business World" by Marianne Carlson and Paula Carlson

Facebook, Twitter and other social networking sites can be great fun, but they can help you get a job too — if you know how to use them. This session will give you information about:
- How employers are using social networking sites to find and evaluate potential employees.
- How you can use social networking to find a job.
- Careers in social media.
- Being safe and smart about social networking.

"From Kid, to College to Career" by Jessica Galloza and Mike Dombrowski

Students will learn about iPads, Robots, and how tinkering with these toys can help them sharpen their skills to succeed in this technical world.

"Tips from the HR Team...land that job!" by Chris Stampfli and Yolonda Cottingham

Students will hear interviewing tips from the people who hire and fire for Convergys. Students will also have the opportunity to role play in interviewing scenarios and get a little practice under their belts. Relocating in 2003, Chris was recruited into the recruiting industry to staff residential and commercial builders for a third party recruiting firm. In 2008 he joined Convergys and now acts as an Associate Recruiter staffing a 1500+ seat call center located in Lake Mary, Florida.

"What you need to know about the music business" by Bobby Croft

In this session, you will learn about the history of the recording industry, what the music industry includes, a practical view of where the industry is headed, the jobs within the industry, and the pathway to these jobs.

"Rules of the Game" by Barbara Bergstrom

Periodically, we need to hit the books and brush up on the rules of the game of business. If you are going to make your mark in the highly competitive marketplace of the 21st century, you need to seize every opportunity to outclass and outperform your competition. This is your opportunity!

"Fly High, Save Lives" by Robb Haskins, Dakota Hurley, Chris Jamerson, & Scott Kennedy

Do you like flying?! Would you like to serve your country in a way that you can both have fun and save lives? If yes, then Civil Air Patrol is the program for you. Two of the main missions of Civil Air Patrol are Aerospace Education and Emergency Services. CAP performs 95% of the Search and Rescue missions conducted in the United States. In this seminar, we will demonstrate some of our search and rescue equipment and tactics, as well as share some awesome aerospace lessons, including model rocketry, flight simulation and more! If you want to have fun and enjoy your Tech Fest V experience, then sign up!

"From Scratch Disk to Green Screen in Less than 2 hrs." by Matt Eggert

Come explore why Apple Computers are built for the Education and Media development markets. It's not just the fancy hardware but the software that Apple develops that makes them so user friendly. Yet, they produce professional looking products. Matt Eggert will guide you step-by-step on creating a video masterpiece using iLife's iMovie product. He will teach everyone basic techniques as well as advanced ones like "green screening" and voice-overs. Finally, compression techniques will be discussed so you'll be prepared to share your content properly with the rest of the world.

"Computer Based Music Production" by Modibo Coulibaly and Justin Payette

The presentation will focus on the importance of computers in music production and the steps taken to become an active music producer. Modibo is a music producer, songwriter, and recording artist. He produces Hip Hop, Pop, and R&B. He began his musical journey as a rapper in 1998. In 2006, he became a music producer and started "Symfuniq Productions."

"Acing the Interview" by Michelle Pettitt

A practical and interactive workshop to equip students with interviewing skills. Students will discuss everything from what to wear (or not wear!), items to take, body language during the interview, sample questions, and more. This session will help all seniors prepare for their Senior Exit Interviews in April.

"Making Movies and Games" by André Thomas

Have you ever thought about how great it would be making a movie in front or behind the camera, or how awesome it would be making games? Now, imagine doing just that and earning a living with it. Having done both, I will share my experience with you and explain how I managed to do it in a not so straight path and answer any questions you may have.

"Burning the Box. How to Unleash your Creative Brain" by Bob Kodzis

We've all heard the phrase "Think out of the Box" when people are trying to get creative. This presentation takes creative thinking to a whole new, fun, and funny level. Burning the Box will teach you how to think more creatively. It will change the way you approach problems in your life. It will inspire you. It will make you laugh. It will make you think differently. This creativity boot camp is based on 25 years of working with, and inspiring ideas from some of the most creative people on the planet; people like artists, performers, roller coaster designers and even a few Disney Imagineers. Burning the box with crack open your mind, (but without the use of a sharp tool).

"Strength in Knowing, Power in Believing" by Dylan Buhain, Jessica Rich, & Roger Capote

To experience your full capabilities, you have to step outside your comfort zone and take the chance of failing. Failing is not the end; rather, it is the beginning of growth, maturity and opportunity. When you take the workshop provided by Lighthouse Central Florida Youth Leadership Program, you will challenge yourself and each other to achieve a goal that at first, you may think is unachievable. At the end of your time with us, you will hopefully be exposed to the concept that there is always an answer to a problem. Your effort and attitude in achieving the goal are keys to your success in the future. Strength in Knowing, Power in Believing.

PARTNERSHIP OPPORTUNITIES

Part of what makes Crooms Academy of Information Technology unique is its commitment to making technology education relevant to the "real world." To forge the vital link, we rely on partners from the local business community and offer a number of opportunities for involvement.

The Business Advisory Council

This committee which meets quarterly consists of representatives from local businesses and educational institutions who help guide Crooms AOIT toward its mission of providing cutting-edge innovation in teaching and learning through a technology-enriched academic environment.

Mentoring Program

Mentors meet one-on-one with students during the school year. and act as supportive listeners, role models and personal coaches. They provide guidance, career exploration, academic assistance and advice on personal development. Mentors are screened and trained in a two hour workshop and make a one-year commitment to a student.

Curriculum Support

Business Partners are welcome to work with our classroom instructors and students to provide academic support. Our goal is to develop "real world" experiences that will demonstrate the relevance of our curriculum. Our partners share industry knowledge to provide information on career awareness and opportunities.

Field Trips

As students research careers, field trips make the classroom experience come alive. Channel 9, Sprint, NavAir, Florida Hospital, and Convergys have hosted such visits. Our field trips offer students the opportunity to network and explore various workplace environments and expectations. Additional field trip hosts are always needed.

Sponsorships

Local businesses are asked to sponsor student-oriented activities by providing goods and services or in kind donations. Sponsorships are always welcome to support our academic clubs in competitive events at regional, state and national levels.

Business Sponsored Workshops

Workshops allow industry and education to work collaboratively toward common goals by providing an opportunity to share corporate philosophy and corporate culture. Workshops provide technical training for students and staff.

Job Shadowing and Internships

Students participate with local businesses in job shadowing experiences during their junior year and paid internships in their senior year. Can you host a job shadowing experience or offer a paid internship position to a senior?

Guest Speakers

Speakers are invited to share industry knowledge and expertise by providing information related to their respective fields. Would you be willing to act as a resource for our teachers and students?

Tech Fest

Annual event to network IT companies in the Central Florida area. This is a great opportunity for all stakeholders to come together at this event to share IT information and continue the growth of building our high tech corridor.

How to Get Involved: Please call (407) 320-5749 or (407) 320-5786
www.croomsaoit.org
www.croomsbac.org

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