



Seminole County

TechFest VI



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

It's your Hi-Tech Community Get into IT

March 2, 2012



ITT Technical Institute



LOCKHEED MARTIN



FULL SAIL UNIVERSITY





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Tech Fest VI Schedule

7:15 a.m. - 7:55 a.m. Students receive schedules
 8:00 a.m. - 8:40 a.m. Session 1
 8:45 a.m. - 9:25 a.m. Session 2
 9:30 a.m. - 10:10 a.m. Session 3
 10:15 a.m. - 10:55 a.m. Session 4

11:00 a.m. - 11:45 a.m. Lunch
 8:00 a.m. - 11:00 a.m. Exhibit Hall
 7:00 a.m. - 1:00 p.m. Hospitality in Media Center
 11:30 a.m. Lunch for Presenters
 6:00 p.m. - 6:00 a.m L!ANfest

	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		Seniors Juniors
Session 3 9:30 - 10:10	Juniors Sophomores	Seniors	Freshmen	
Session 4 10:15 - 10:55		Sophomores		Seniors Juniors

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.

Most Connected Classrooms

Laptops, iPads, and smart phones are moving into high school classrooms faster than students can text "Lol." Transforming the way students and teachers interact with information, these technologies are shaping the classroom of the future.

U.S. News & World Report is recognizing high schools leading the charge with its first ranking of the country's Most Connected Classrooms. We surveyed schools from our most recent Best High Schools rankings, published in December 2009, to gauge their connectivity. Of the 301 schools that responded, 185 scored well enough on the survey to be ranked.

Crooms Academy of Information and

Technology claimed the top spot in the inaugural ranking. The Sanford, Florida magnet school has more than 1,100

computers, and gives each of its 601 students a Dell laptop to use for the year. Students at Crooms use these laptops to interact with digital whiteboards in nearly every classroom.

The school scored an 88 out of 100 on a "Connectivity Index" that takes into account student-to-computer ratios, Internet speed, technical support staff, and digital learning labs.

Article written by Kelsey Sheehy Produced by US News & World Report





Keynote Speakers



Dr. Jeff Wilkinson

Jeff Wilkinson is Vice President and the Chief Scientist for MYMIC LLC. At MYMIC, Jeff leads the team of researchers and engineers focused on developing the technologies and processes that enable game-based Virtual Reality systems to provide effective learning. Prior to joining MYMIC, Jeff was a Research Scientist at Texas A&M where he served as the US Government's Program Manager for the University of Southern California Institute for Creative Technologies (ICT). The ICT is the DOD's principal research center for virtual reality and immersive technologies.

After retiring from the US Army, Jeff joined the Sprint Corporation where he led design teams developing integrated solutions for converged broadband applications. This work finalized the design of today's DSL technology and set the stage for the deployment of Sprint's integrated broadband voice, data, and video services.

As an Armor officer in the US Army, Jeff served in tank battalions at Ft. Benning, GA and in Germany. He has held senior Operations and Training positions at both the Armor Battalion and Brigade levels. He was the Director of Simulations at the Armor Center where he led the concept development and experimentation in one of the Army's first Virtual Reality test bed facilities. In his last military assignment, Dr. Wilkinson provided customer oversight of the development, testing and fielding of a world wide deployment of high fidelity combat vehicle simulators. Jeff's primary research interest is in the design, methods, and processes required to ensure Virtual Reality systems enable effective training. Jeff earned a Master's Degree and Ph.D. in Mineral Economics/Operations Research from the Colorado School of Mines and a B.S. in Engineering from the United States Military Academy, West Point.



Dr. Mansooreh Mollaghasemi

Dr. Mansooreh Mollaghasemi founded Productivity Apex (PAI) in 2001 with the goal of using sound principles of industrial engineering and operations research to help commercial enterprises and government agencies improve their productivity and maximize their efficiencies. She is also an Associate Professor in the Department of Industrial Engineering and Management Systems at the University of Central Florida where she has been teaching and conducting research since 1991.

Her area of expertise includes simulation modeling and analysis, multiple criteria decision making, and system optimization. She has successfully completed numerous funded projects over the last 20 years. Her work has been funded by NASA, the National Science Foundation, Department of Transportation, Lockheed Martin Corporation, Siemens Corporation, Disney, Universal Studios, The Boeing Company, Marriott Corporation, Orlando International Airport and the US Army, among others.

Her research has been published in prestigious scholarly journals such as IIE Transactions, Interfaces, Annals of Operation Research, Computers and OR, Journal of Operational Research Society, IEEE Systems, Man, and Cybernetics, Transactions of the Society for Computer Simulation, Journal of Simulation, and IEEE Transactions on Engineering Management, among others. Her publications also include several book chapters as well as a book entitled "Making Multiple Objective Decisions" published by IEEE Computer Society Press.

Dr. Mollaghasemi received her Ph.D. in Industrial Engineering from the University of Louisville in 1991. She also holds a B.S. and a M.S. in Chemical Engineering.



Student Showcase

The Frolicking Nerds

The Crooms Robotics Team is designed to engage our diverse student population with various levels of interest and different degrees of previous experience with robotics and engineering. Students learn important concepts, such as the basics of engineering design, robot design, principles of robot construction, principles of robotics programming, and applications in the field of alternative energy. The more advanced students serve as mentors and team captains for robotics competitions (VEX and FIRST).

The Crooms Robotics Team participated in the VEX Disney All-Star Robotics Competition on November, 2011, and was honored with the VEX Judges' Award for "Team Most Dedicated to Competition." The Robotics Team, The "Frolicking Nerds", is preparing for the upcoming FIRST Robotics Competition at UCF.

Crooms gratefully acknowledges the support of JCPenney (official Team Sponsor), at&t Mr. Harry Rippetto, ACME Industrial Supply, Astronics Corporation, Ms. Charna Parkey and the UCF Engineering Fraternity (Theta Tau).



Science Fair

Eleven Crooms students received awards at the Regional Science Fair held February 4th, 2012. Students competed in individual and team categories. David Sink and Quinton Ariotti received an Honorable Mention in Physics and Astronomy. Brendan Chabot obtained an Honorable Mention in Botany. Joel Zinnamosca received an Honorable Mention in Engineering. Riley Ross and Jacob Green earned an Honorable Mention in Computer Science. Cory Thomas and Austin Caulder were awarded an Honorable Mention in Computer Science.

Kevin McCarthy and Jon Redinger won 1st Place in Zoology. They received the Dede Schaffner Award for Achievement in Zoology which is a \$75.00 cash prize and they qualify to compete in the Florida State Science Fair.

Francinie Miranda won 1st Place in Medicine and Health and qualified to compete in the Florida State Science Fair as well as the Intel International Science and Engineering Fair being held in Pittsburgh, Pennsylvania.



Business Professionals of America

Students from Crooms Academy of Information Technology attended the Business Professionals of America (BPA) 2012 State Leadership Conference, "Reach New Heights," in Lake Buena Vista, FL, February 10 - 12, 2012. Crooms chapter members joined over 500 other conference delegates from across the state to participate in state level business skills competitions.



Twenty-nine winners will advance to the Business Professionals of America 2012 National Leadership Conference to be held in Chicago, IL, in late April. The trip will be financed

through community/business support and member fundraising efforts.

Business Professionals of America is an organization for high school, college, and middle school students preparing for careers in business and information technology. The

organization's activities and programs complement classroom instruction by giving students practical experience through application of the skills learned at school. Business Professionals of America acts as a cohesive agent in the nationwide networking of education and business and industry. BPA is contributing to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills.



Poster Contest

First Place
Jesse Piorro



About the Contest

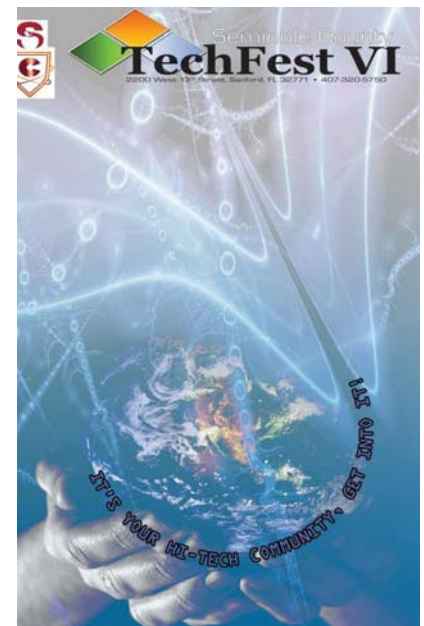
Students from Crooms AoIT created their own individual TechFest posters for this year's poster contest. The winner of the poster contest is honored by having their own personal design as the cover of the TechFest program. The student receives a \$120 gift certificate and an invitation to the sponsors' luncheon to be recognized for their work. Certain guidelines 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.



Second Place
Rain Ruhe



Third Place
Taylor Daniels



Fourth Place
Alexis Maday



Student Business Advisory Council Team



Jerred Dowden

Jerred Dowden is a Crooms AoIT senior with a strong interest in learning and an ambition for fine arts and technology. He has taken Dual Enrollment and Advanced Placement courses all through-out high school, maintaining a 4.0 grade point average. Jerred is a member of the National Honor Society, Business Professionals of America, and the National Beta Club. He has always had a knack for web design and graphic development, having earned his place as the Crooms, webmaster as well as the webmaster for the Seminole Association of School Administrators website. Jerred has also taken a position as an intern with Crooms' Business Advisory Council this year, maintaining both the BAC and TechFest websites. He has earned Photoshop CS5, Dreamweaver CS5, and CompTIA A+ certification at Crooms.

Although he may be good with technology, his primary passion is music. Jerred runs his own record label, titled Relief in Abstract Records, in his free time. His label has received attention from Universal UK, BMI, and Atlantic Records through his roster of fresh Orlando, FL musicians. He will be attending the University of Central Florida this fall semester to major in Business Administration. He can't thank his teachers and his peers enough for the values, experiences, and education he has received from his years at Crooms.



Shelby Koos

Shelby Koos is a Senior at Crooms AoIT and is the Student Representative for the Business Advisory Council as well as a Marketing Team member. Shelby has played a supporting role on the program in addition to managing the BAC newsletter creation utilizing technology that allows the BAC to communicate better with it's supporters.

During her four years at Crooms, she has stayed busy with Advanced Placement courses, club involvement, and employment. Shelby was the varsity volleyball captain, Student Government president, Class of 2012 Salutatorian, an International Science Fair Finalist, and a member of Business Professionals of America. She has also been a member of Student Ambassadors, Leadership, and National Honor Society.

Shelby completed a summer internship at the Central Florida Educators' Federal Credit Union and is currently employed at Rosenberg Chiropractic. Her future plans include pursuing a degree in International Studies, which she hopes to accomplish at Boston University. Shelby would like to express her appreciation to Ms. Alper and Mrs. Rosario for their guidance and support.



Vasu Mody

Vasu Mody is a Senior at Crooms AoIT and is a member of the Business Advisory Council Marketing Team. Vasu has been the driving force behind the creation of the TechFest VI program. While at Crooms he has been involved in extracurricular activities including Business Professionals of America and National Honor Society where he serves as an officer in each organization. He has pursued technology fields in web design, digital design, A+, digital video, and is a member of the year's yearbook staff. He also has supplemented his course work with Advanced Placement courses such as Government, Physics B, and Calculus AB. Vasu also completed a summer internship at Vcom 3D.

His future plans include majoring in Mechanical Engineering, which he hopes to complete at Purdue University. Vasu would like to thank his Web Design and Graphic Design teachers, Mrs. Rosario and Mrs. Fry for all of their support during this long creation process.



Workshop Map

David Maus

Air Force

Navy

ERAU

Full Sail

Music and Video (Apple)

Everest University

AAA

Programming and Networking

Microsoft

A+

Lockheed Martin

Corsair Engineering

JcPenney

Florida Technical College

Symantec Corp

Check In

Navy

ITT Technical Institute

DeVry University

Research

Convergys

Dell

Digital Design and Web

Cisco

Keiser University

Junior Achievement

SSC

IADT

Gaming and Simulation

EA

Astronics

Army

DiSTI

Workshop Schedule

10th Grade	114	115	206	213	214	224
Session 1	"Team Feud"	Strength in Knowing, Power in Believing		The New World of PCs, Desktops, Laptops, Tablets and Ultralights	Developing for the Windows Phone and Microsoft Kinect	Understanding Computer Based Music Production

11th/12th Grade	123	125	128	130	132	201	209
Session 2	Keeping Pace with Technology to Serve Businesses and Consumers	Software Development in the Real World	Boosting your Personal Brand by Building Your Positive Digital Identity	Social Media and the Entrepreneur: What You Need to Know When You Start or Build a Business	Plug in Cars and Hybrid Technology... great use of renewable energy on the road!	Technology, Innovation, and YOU!	Let me Be Your Creative Side- Find a Niche & Be the Expert!
	211	227	228	232			
	Power Resumes	Digital Processing Your World	When Art Meets Technology: Making Video Games	What Happens After Crooms? A Discussion on Life After Graduation			

9th Grade	114	115	206	213	214	224	226	2-115
Session 3	"Team Feud"	Strength in Knowing, Power in Believing	SIM Man	Fly High, Save Lives!	Going Green to Make Some Green	Understanding Computer Based Music Production	Intro to GIS	Video Game Technologies

11th/12th Grade	123	125	128	130	132	201	209
Session 4	Rules of the Game	Career Explorations Presentation	Serious Games- Seriously	Social Media and the Entrepreneur: What You Need to Know When You Start or Build a Business	Windows Reimagined: Windows 8	Dream it, See it, DO it!	Let me Be Your Creative Side- Find a Niche & Be the Expert!
	211	227	228	232			
	Power Interviews	Behind the Scenes Careers in Entertainment Media	Microsoft Tools for Sudents and Teachers	What Happens After Crooms? A Discussion on Life After Graduation			





Workshop Overview

Behind the Scenes: Careers in Entertainment Media

by Robin Letourneau

The session will introduce students to the multitude of career opportunities within the fields of film, art, music, games, business and design? Telling a great story and delivering a project from idea inception to final production requires many individuals with various skill sets. Participants will learn about these skills needed to best help them succeed in these areas.

Career Explorations Presentation

by Jean Oreyro

This can include graphic design, motion graphics, advertising, audio production, animation, game art design, culinary arts, fashion design, photography, and video production.

Digital Signal Processing Your World

by Charna Parkey

Do you want to learn a skill that applies to every field? The best thing you can do for yourself is to ensure employability while doing what you love. Imagine being able to work in industries from music to unmanned aerial vehicles, robotics to nanotechnology, architecture to apparel, psychology to social media, and the list goes on. Signal processing is the enabling technology for the generation, transformation, and interpretation of information. You can impact your world by interpreting it. Enter a field where your fresh view on the world can impact how the world works now. Whether you dream of being an academic, discovering the laws of nature, or an applied engineer finding ways to make things work, a career in Signal Processing can take you there. In this session I will show you examples of how Signal Processing has impacted the way we do things in the past 25 years and all of the new ways it is being applied. We will run simulations in MatLab and do an exercise where you will find an area in your world where DSP can be applied and see how to start right now.

Keeping Pace with Technology to Serve Businesses and Consumers

by Eric Violland

Delivering high power and relevant software solutions to X and Y generations across business to business (B2B) and business to customer (B2C) channels? In this session you will see how AAA is leveraging the latest in software development tools and ever evolving hardware options to provide best in class product and service offerings

Microsoft Tools for Students (and teachers!)

by Tony Franklin

Get bodies and brains engaged. Create great schoolwork. Work together anywhere. Do all of this with free, easy-to-use tools from Microsoft. Discover interactive technologies for video, pictures, music, sharing, quizzes and more!

Fly High, Save Lives!

by Captain Robb Haskin, Captain Dakota Hurley, Airman Ian Keogan

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 VI experience, then sign up!

Going Green to Make Some Green!

by Jessica Galloza

We have used up almost half of all the "easy to reach" crude oil and desperately need green, sustainable, eco-friendly energy sources. Learn how and why going green can make you lots of green in an emerging Green Technology Market.

Team Feud

by Will Crooks, Chad Miranda, Brittany Alverson

Crooms Feud, a family feud-based game where the students of Crooms will compete against each other for the title of Feud champion. Four different teams of students will get a chance to test their knowledge by competing on a team vs team to see, who at Crooms, knows their stuff. Come join us and see if you have what it takes to win the grand prize!

Serious Games- Seriously?

by Scott Ariotti

While video games are a booming business for the entertainment industry, the technology that goes into those games transcends into new and engaging mechanisms for people to learn? See how one Orlando-based company has taken the 3D technology, driven by the entertainment industry, and transformed it into software tools and applications that change how people learn; on the web, on desktop computer, and on mobile devices.

Developing for the Windows Phone & Microsoft Kinect

by Joe Healy

This workshop will be broken into two parts. Part One will introduce the Microsoft Kinect for Windows SDK, providing an overview of its contents and how developers can use them to create rich natural user interfaces that leverage the Kinect. Part Two will cover how to get started developing applications for the Windows Phone 7 platform. It will include a walkthrough of the process of designing, constructing, and deploying an App to the Windows Phone Marketplace.

Plug In Cars and Hybrid Technology

by Andrea McCrorie

Meet the team of David Maus Automotive and learn about the 2011 Chevrolet Volt and the 2012 Toyota Prius. Learn about the new "Hybrid" technology. Sit in the driver's seat and see all the bells and whistles in these cars.

Technology, Innovation & YOU

by Jarrod Uddin

In this invigorating session, students peer over the horizon into the fascinating world of human innovation and the relevant ideas of present and future that are shaping and shifting the globe and the way we think and live, everything from flying robots and laser vaccines to wireless electricity transmitted in the palm of your hands!

Boosting Your Personal Brand by Building Your Positive Identity

by Dr. Thomas Ho

Do your parents "breathe a sigh of relief" when they Google your name and find nothing? You ought to be concerned that you're nobody! We are approaching a time when a transcript might not matter as much for college admission nor will a resume for job application. Instead, your personal brand, based on your digital identity, will differentiate you from your competition. Come to learn how to use Web 2.0 and social media services to boost your positive personal brand!

When Art Meets Technology: Making Video Games

by Eric Byron

I will discuss all of the elements of art (characters, environments, lighting, audio, storytelling, etc.) that combine with extremely complex math, physics and artificial intelligence to produce the virtual worlds and experiences of video games.

Software Development in the Real World

by John Marra

The presentation draws on real-world, professional software development experiences to provide an overview of software development project activities and how they fit into a business, how they are managed and led, what is expected of team members, and what makes a person a good fit with a team?

SIM Man

by Sarah Chapman

Come and join the Orlando Science Center to investigate the various healthcare 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 healthcare scenarios that expose students to the roles and responsibilities of healthcare professionals in the industry. This session will explore the technology and training aspect within healthcare and examine the world of Modeling and Simulation being used to advance this ever-growing field.

Tips from a Recruiting Team: Land That Job With a Solid Interview!

by Yolonda Cottingham, Matthew Rosenblum

Students will hear interviewing tips from the people who hire for Convergys. Students will also have the opportunity to role play in interviewing scenarios and get a little practice under their belts? This is great experience for you to gain for senior exit interviews!

Tips from a Recruiting Team: Land That Job with a Solid Resume!

by Yolonda Cottingham, Matthew Rosenblum

Students will hear resume writing tips from the people who hire for Convergys. Students will be provided information on the do's and don'ts of writing resumes? This will be valuable information as you prepare your resume creation for your portfolios!

Video Game Technologies

by Mike Kalaf, David Maynard

We will show examples of how you can build applications to teach and train people to better perform in their jobs using these different types of technologies. We will share some of the little known techniques used in creating entire virtual worlds. We will cover everything from a simple single-player game (like The Sims) to the massively multiplayer games (like World of Warcraft or Star Wars: The Old Republic). Lastly, we will cover the different career paths one can take to becoming a Video Game Technologist.

Dream it, See it, DO it!

by *Summit Shrestha*

A college freshman created his very own personal assistant from a computer system! Inspired by Jarvis from *Iron Man*, Summit created Jarvi. Jarvi is a computer system integrated in his dorm room which wakes him up every morning, notifies him of his appointments, class schedule, text messages, Facebook events, and even greets him when he enters the room. With massive growth potential, Jarvi can easily be integrated into people's homes. In this session with Summit, discover how you can take your ideas from thought concept to reality and change the world around you with the power of your imagination.

Computer Based Music Production

by *Modibo Coulibaly, Justin Payette*

The presentation will focus on the importance of computers in music production and the steps taken to become an active music producer.

What Happens After Crooms?: A Discussion on Life After Graduation

by *Crooms Alumni Team*

The Crooms AoIT Alumni Association, Inc. offers a panel discussion and question and answer session on life after graduating from Crooms AoIT. The panel will feature recent Crooms AoIT graduates from different backgrounds as they share their experiences in College, Jobs, and 'the real world'.

Strength in Knowing, Power in Believing

by *Dylan Buhain, Roger Capote, Chris-*

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. Your effort and attitude in achieving goals are the keys to your success in the future.

Social Media and the Entrepreneur: What You Need to Know When You Start or Build a Business

by *Dawn Jensen*

Facebook and Twitter are great social networks and if you are looking to get ready and be taken seriously building your own business or becoming an integral part of one, this presentation will provide a foundation for steps to build visibility and credibility so crucial when first starting out. Learn other vital social networks, a strategy to deliberately creating a professional presence online.

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!

Windows Reimagined: Windows 8

by *John Delgado*

Windows 7 fundamentals like speed, reliability, security, and compatibility make it the best operating system Microsoft has ever created. The next version of Windows is being designed to build on Windows 7, delivering richer security features, faster startup, and longer battery life that runs on a wider choice of devices and chipsets. Windows 8 also provides the platform to create a whole new generation of full-screen apps.

Let Me Be Your Creative Side - Find a Niche & Be the Expert!

by *Erin Kendrick*

Design encompasses many facets of art making. Finding a niche and solidifying your brand is important to your success as a designer. We creative types tend to be great at lots of things, simply because we are "problem-solvers." Choosing a niche will help you focus your efforts on a target market, with specific needs, that only you can solve for them (if you brand yourself correctly). Posing yourself as the expert of your field will help to build your brand and grow your business. Find out tips and techniques that you can use to develop a great design business before leaving high school!

Introduction to Geographic Information Systems (GIS)

by *Lakshmi Sankaran, Al Hill, 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.

The New World of PCs, Desktops, Laptops, Tablets, & Ultralights

by *George Scott*

This session will cover how the PC has evolved over the last 20 years from big desktop PCs to new Ultralights weighing less than 2 pounds. We will also take a peek at the customer preview of Windows 8.



Partnership Opportunities



Join the Crooms Business Advisory Council

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

If interested contact RT Hillery at BAC_Chair@cait.scps.k12.fl.us



Fundraising and Scholarship

This is a great opportunity for all stakeholders to come together to share IT information and continue the growth of building our high tech corridor and the scholarship endowment.

If interested contact Lou Reents at BAC_Fundraising@cait.scps.k12.fl.us or Kevin Jackson BAC_Scholarship@cait.scps.k12.fl.us



Marketing

Help our Business Advisory Council spread the news about this innovative high school and all the activities the students and teachers are involved in and the accolades that Crooms AoIT earns each year. It is the partnership that makes your involvement a “win win” for all stakeholders.

If interested contact Tina Holden at BAC_Market@cait.scps.k12.fl.us



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?

If interested contact Cathy Alper at BAC_Jobshadowing@cait.scps.k12.fl.us

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 for career awareness and opportunities.

If interested contact Demetria Hayes at BAC_Curriculum@cait.scps.k12.fl.us



We Appreciate You



On behalf of Crooms Academy of Information Technology, I welcome you to the 6th 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!

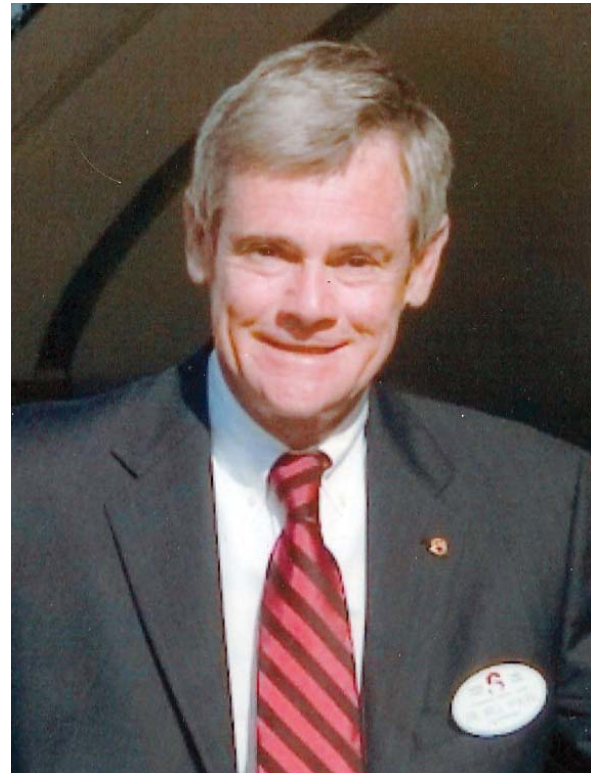
Connie Collins, Ed. D.
Principal of Crooms AoIT

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, Technology, 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 VI.

Bill Vogel, Ed. D.
Superintendent of Seminole County Public Schools





Special "Thanks" to our Sponsors

Senior Sponsor



Sophomore Sponsors



Freshmen Sponsors



Supporting Sponsors



**WORK
THAT
MATTERS**



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