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Stark County MSP Grant, Stark County
Educational Service Center

FROM MY PERSPECTIVE: MSP & CTP

The Stark County Math and Science Partnership (MSP), started in 2002, was established to improve student achievement in middle and high school math and science through partnership building with local colleges, universities, and business and industry. Its focus is on inquiry teaching and incorporating real-world applications and technology in the classroom. It is funded by a \$7.5 million five-year grant awarded to the Stark County Educational Service Center from the National Science Foundation and was one of only 48 awarded in the nation.

Some of the initiatives sponsored by the Stark County MSP are:

- 14 math and science teacher coaches providing professional development to teachers
- College professors working with teachers to improve instruction
- College professors developing better methods of preparing prospective teachers
- Graduate degree program through Malone College to improve teacher content
- College students tutoring students in the urban districts
- High school student experimental research program

- Summer and year-long business and industry internship opportunities for teachers, professors and pre-service teachers
- Teacher leadership program for middle and high school math and science teachers
- Summer and year-long professional development for teachers, prospective teachers and professors

Because our goals are very similar, the MSP project has involved numerous collaborations with Stark State College of Technology and College Tech Prep. College faculty have worked with CTP teachers in several districts. One Stark State instructor assisted Timken Senior High School in developing its Video Gaming program and other instructors have assisted high school teachers in the related math and science courses. Stark State instructors also have mentored students in the Student Experimental Research Program.

Further integration of our efforts involve my serving on the CTP Steering Committee and CTP staff serving on the MSP Advisory Board and MSP Business Advisory Board.

Together, local educators have made tremendous strides in improving the teaching and learning of math and science in Stark County. I believe these collaborative efforts will continue well beyond the end of the MSP project and far into CTP's future.

Three Stark Teams Place in Showcase 2006! (Continued from page 1)

School's Video Gaming program placed first and second in programming. Taking first prize were juniors **Mike Hindley, Marcus Mayle, Brandon Roth** and **Terry Vaughn** with their project, "First Robot Simulation." Coming in second with "Kindergarten Math Game" were seniors **James Leach, Derwayne Simpson** and **Marcel Trent**. Technology teacher for the program is **Robert Miller**. Also getting first place honors was Jackson High School horticulture team **Matt Goldinger** and **Christopher Short** with their project, "Effects Growth Hormones Have on Plant Tissue Cultures." John Allen is their horticulture teacher.



"First Robot Simulation" is the title of the Showcase project of Timken High School's first place team in programming. Video Gaming Teacher Rob Miller proudly poses with (from left) Mike Hindley (Fairless), Marcus Mayle, Terry Vaughn and Brandon Roth (East Canton).



"Kindergarten Math Game" project developers taking second place in the programming category are (from left) Timken High School Video Gaming seniors Marcel Trent (Washington), James Leach (McKinley) and Derwayne Simpson.



"Effects Growth Hormones Have on Plant Tissue Cultures" is the topic that vaulted Jackson High School horticulture students Christopher Short (left) and Matt Goldinger to their first place horticulture award at Showcase.



Also competing in the programming category was this team from Canton South High School's Programming and Information Development (PAID) program (from left) seniors Chris Coffman and Mike McWilliams, shown here with teacher Jim Gotshall. "Victorian's Non-Secret" was the title of their project.



Canton South's PAID program teacher Jim Gotshall joins juniors (from left) James Millard, Tim Ault and Isaac Bowman (Sandy Valley) for this Showcase photo. "Baughman's Best B2C" was the title of their project.



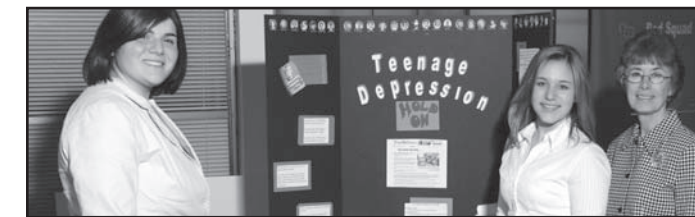
GlenOak Career Center Health Technologies teachers Courtney Breon (English, left) and Kristin Wellman (technology) flank the students whose project was "To Game or Not To Game?" From left, the students are Pat Robbins, Jake Phillips, Alex Shaheen and Sean Kelley.



Also among the 32 team entries in the health category at Showcase was this one representing Timken High School. Showing their project board on "Obesity" are, from left, Jessica McCauley and Amanda Williams, and technology teacher Laura Brison.



Among three Perry High School Health Technologies teams entering this year's Showcase was this one whose topic was "Unsanitary Bathrooms." From left, are Stephanie Justice, Jeff Ullom, Chad Ehmer and Reanna Reesey.



Students Jen Pierce (left) and Corrin Hess focused their Showcase project on "Teenage Depression." Students in Perry's Health Technologies program, they are joined here by the program's technology teacher, Jan Zak.

Business Reps, Educators Develop Competencies for New CTP Programs

College Tech Prep Competency Profiles (TCPs) have been developed by area business representatives and educators for a variety of programs implemented by the Stark County CTP Consortium recently. The following individuals participated in the process for the respective programs and home schools:

Legal Studies/GlenOak Career Center, Lake High School /March 2004

Kim Bartholomew - Jackson Local Schools
Mike Bodnar - Stark State College
Rod Cheney - Jackson High School
Cindy Close - Stark State College
Brenda Jones - Ben Sheerer Law Offices
Martin Olson - Attorney-at-Law
Jan Pattison - Stark State College

Project Lead the Way/Hoover High School, Timken High School/March 2005

Dr. Dorey Diab - Stark State College
Todd Henne - Hoover High School
Sarah Jackson - Timken High School
Rebecca Labowitz - Timken High School
Andy Milks - Stark State College
Bill Reitz - Hoover High School

Criminal Science/Timken High School/Feb. 2006

John Boal - University of Akron
Ken Faye - Timken High School
Kelly Herold - Akron Area CTP Consortium
Rebecca Labowitz - Timken High School
Don Laconi - University of Akron
Clifford Lee - Timken High School
John Leech - Stark State College
Larry Ray - Stark State College
Gabriela Rosu - Stark State College
Curtis Speck - Safety Resources Co. of Ohio

Manufacturing Technology/March 2006

Art Baughman - Canton Local Schools
Roger Gray - Diebold, Inc.
Sue Hoffmeyer - Stark County Educational Service Center
Brian Howard - Lexington Technologies
Chandra Jain - Stark State College
Joe Joseph - R.G. Drage Career Center
Shawn Kimbrough - GlenOak Career Center
Mark Kircher - Washington High School
Enyinda Onunwor - Stark State College
Yojana Sharma - Stark State College
Cindy Smythe - R.G. Drage Career Center
Harry Thomasetti - Retired Businessman

13 RECEIVE SSCT SCHOLARSHIPS

A total of \$15,390 in scholarships have been awarded for this academic year by Stark State College of Technology (SSCT) to CTP graduates.

Those students who have received \$250/semester CTP scholarships and full-tuition SSCT academic scholarships include the following (home school in parentheses and program completed):

Matthew Arvidson, GlenOak Engineering
Justin Hedrick (Canton South), GlenOak Health
Jason Hickman (Perry), Drage CISCO
David Willaman, GlenOak Health

Students receiving CTP scholarships are:
Daniel Bush, Jackson Automotive
Jacob Cutting, Perry Electrical/Electronic
Timothy Dugan (GlenOak), Jackson Automotive
Tanya Guht, GlenOak Light & Sound
Jessica Hodgson, Washington E-Commerce
Matthew Jordan (Perry), Drage IT
Dustin Lung, Washington Manufacturing
Zach Sterling, Canton South PAID
Robert Waltz (Fairless), Drage HVAC



Cheryl Robinson

CONSORTIUM STAFF GROWS

Akron resident **Cheryl Robinson** has joined the Stark County CTP Consortium as Transition Coordinator.

Robinson received a degree in education from Malone College

and has worked as a substitute teacher for many Stark County schools, including ones in the Alliance, Canton City, Lake, Louisville, Minerva, North Canton, Perry and Plain districts.

Her volunteerism in the community has included serving as forensics coach and judge for Louisville High School's speech and debate team, teen institute advisor, drug and alcohol abuse counselor for Quest Recovery Services, and past president of the Louisville Constitution Day Committee and Louisville Junior Women's Club.

As Transition Coordinator, she will primarily be responsible for marketing and recruitment activities, and coordinating several major events for the Consortium.

Project Shows Middle School Students How To Think About Their Future

The Stark County CTP Consortium is continuing its Making Achievement a Priority (MAP) project a second year, thanks to continued funding from the Ohio Department of Education and Ohio Board of Regents and new funding from the Martha Holden Jennings Foundation.

Involving some 211 seventh and eighth grade students from eight middle schools in Alliance, Canton City, Massillon, Plain Local and Fairless school districts, the project strives to help students connect to career options and understand how they can prepare for identified careers. According to Project Coordinator **Mary Hlavac**, students are participating in problem-solving activities, career portfolio projects and completing an *Economics for Success* workbook. The Consortium recently partnered with Junior Achievement to strengthen the economics portion of the curriculum.

Another way students explored different careers was by hearing what eight classroom visitors - business professionals from companies in the area - had to say about the many career opportunities in their respective organizations. Speakers also emphasized the importance of setting goals, staying in school and striving to achieve. They included **Joe Burley** of Wheeling Railway, **John Dascenzo** of The Repository, **Nancy Gessner** of Massillon Cable TV, **Ramone Jones** of Nationwide Insurance, **Cassie Metzger** of Diebold, **Charles Odimgbe** of SARTA, **Tom Pukys** of Alliance Area Development and **Tim Shetzer** of the YMCA.

Field trips also have been used to increase students' exposure to career options. Such trips were made to Stark State College where they visited Emergency Services, Medical Assisting, Environmental Health and Safety, and Massage Therapy programs and labs; and the University of Akron where they learned about careers in sports, art, technology and marketing, and interacted with the art exhibit, "Outside the Box."

Five college students from Stark State College and Kent State University Stark Campus served as student instructors for the project. They are **Scott Mitchell** and **Tyler Tabernack** of Stark State and **Diana Kraus**, **Katie Lab** and **Shannon Marchand** of Kent State.



Bonnie Stich, coordinator of Stark State's Emergency Medical Services, programs a training mannequin to vocalize words and make audible sounds of breathing difficulty for MAP students from Canton City middle schools.

Student Profile



Joshua Addressi

Sometimes in life we luck out and find that things appeal to us for a variety of reasons. This happened to Joshua Addressi, GlenOak '06 graduate, when he decided to sign up for GlenOak Career Center's Animation & Graphic Design CTP program.

"It had two things that I was interested in - computers and art," says Addressi. "The class was a combination of the two ...and I do not regret enrolling in it.

"The class is relaxing for me because it turned out to be something I enjoyed doing. I learn fast and so was able to assist my fellow students with their technical problems," adds Addressi.

He admits that, before taking the CTP program, he didn't know what he wanted to do. After being in the program for two years, he feels he has more direction and is looking forward to majoring in Digital Arts & Media: Animation at Huntington University in Indiana.

Addressi closes his comments sounding like the seasoned senior that he is. "If I know one thing about life, it is that nothing is for certain and all you have to do is try to see that it is." He credits the quote, "you'll miss 100 percent of the shots you do not take" with providing him inspiration.

So Addressi's suggestion to incoming sophomores is: "If you have an idea what you want to do in college, take a Tech Prep course to sample the course of study and find out if it is for you. Good luck to all!"

Sandy Valley Students Place in National Contest!

Students in Interactive Media Technologies at Sandy Valley High School received several regional and state awards, then moved on to national competition. In January, **Michael McGarvey** took first place in digital media production at Region 8 Business Professionals of America competition and **Spenser Fishel** took first place in graphic design promotion. Then at Business Professionals of Ohio competition, McGarvey placed second in the state and Fishel, third. Both seniors qualified for national BPA competition in Orlando, FL, May 10-14 where one placed eighth and the other, 13th in the nation in their respective categories! Way to go, guys!



Michael McGarvey

Spenser Fishel

Newsnotes

The Consortium wants to thank **Eric Henderson** of Plain Local Schools and **Tim Wolf** of Massillon City Schools for their contributions to CTP as members of the steering committee. Both retired from their positions this year and will be missed by CTP!

The directors of northeastern Ohio CTP consortia organized this year's statewide CTP Director's Retreat held Sept. 6-8 in Canton. The annual event gives directors, state staff and state advisory council members an opportunity for in-depth discussion of topics important to the statewide CTP initiative. According to **Jennie Royer**, some 75 individuals attended the three-day event.

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Perry Medical Students Place 1st In National Competition!

Perry High School Medical Tech Prep seniors Sage Fox, Amanda Lewis, and Alyssa White were named national champions at the Skills USA competition. The presentation of their project, "The Bod Squad," was determined to be the best after they competed among some 4,700 high school and college students from across the country. Perry's entry was the only entry from Stark County to qualify for the national competition, and believed to be the first ever from Perry or Stark County to become national champions.

According to their teacher, Dave Brothers, the students' trek began last September when the three started their senior project. They discovered that their generation is the first to have a shorter life expectancy than their parents. Wanting to do something about that, they came up with the idea of developing a nutrition and activity program for middle school children. With the cooperation of the Pfeiffer Middle School administration, the three developed an after-school program to teach the importance of good eating habits and healthy, active lifestyles. Approximately 40 Pfeiffer students attended the twice-weekly two-hour sessions, which included information on nutrition, physical activities and healthy snacks prepared by the high school students. In addition, partnerships were developed with local businesses and organizations such as Stalheber's, Laser Quest, Fitness Quest, Friendly's, and the Community Health Foundation.

The end result was a multi-media presentation about the project which they took on the road, participating in several forums and competitions. Prior to the Skills USA national competition, "The Bod Squad" placed first in the state Skills USA event, competed at northeastern Ohio's 2006 CTP Showcase and was named as the top high school community service project by the Stark County Community Health Foundation. In addition, Fox, Lewis and White were asked to serve on the Perry superintendent's committee on health and nutrition for Perry Local Schools.

According to Brothers, the judges commented that their booth was the social corner of the arena as so many people were interested in their project. At the debriefing after the judging, one judge's comment was "...you spoke to us with passion and knowledge instead of a rehearsed speech." The culmination of the event was the presentation in Kemper Arena in Kansas City before more than 13,000 competitors, delegates, corporate sponsors and advisors.

We hear that on the way home, the flight attendant announced to the passengers that there were "celebrities" on the plane, and friends and classmates met them upon their arrival with cheers, applause and flowers. Congratulations National Champs!

We also understand that Lewis and White are currently enrolled at Stark State College!



Amanda Lewis, Sage Fox and Alyssa White of Perry High School's Medical Tech Prep program proudly show off their gold medallions received for being first place winners at the National Skills USA competition in Kansas City earlier this summer.

Two from Timken, One from Jackson Three Stark Teams Place in Showcase 2006!

A total of 283 students from six northeastern Ohio CTP consortia participated in College Tech Prep 2006 Showcase March 14 at Cuyahoga Community College Eastern Campus. Students participated in a total of 93 teams of two, three or four and competed in the categories of business, engineering, health, horticulture, multimedia, networking and programming. Students represented the Akron Area, Kent, Lakeland, Mahoning, North Coast and Stark County CTP consortia. Roger Gray of Diebold, Inc., represented Stark County as a judge.

A total of 35 students competed from Stark County on 10 teams. Two teams placed first in their respective categories and another placed third. Two teams from Timken High

(continued inside)