



Technology Education Association of Maryland (410) 659-5332

Calendar:

- March 15-17, 2007 ITEA Conference San Antonio, TX
- October 19, 2007 TEAM Annual Conference, "TEAM's All Star Line-Up: CATTs, PLTW, STEM & VSC" at the Baltimore Museum of Industry
- February, 2008 TEAM Awards at the Baltimore Engineering Society

In this Issue:

New TEAM awards Process	2
TEAM Welcomes Douglas Handy	2
TEAM Tech Expo Recap	3
Executive Director's Report	3
MD Engineering Challenges	4
2006 TEAM Award Highlights	5
UMES update	5
Present at TEAM Expo 2007 application	7-9
TEAM Budget Summary	10

2007 TEAM Tech Expo Fall Conference

The 2007 TEAM Tech Expo will be held Friday, October 19 at the Baltimore Museum of Industry. The 2006 Tech Expo's theme was "The Maryland Technology Education Voluntary State Curriculum: It's a Whole New Ballgame" and next year's conference will build on that theme. The emphasis of the conference will be on how local school systems and classroom teachers are implementing the new Technology Education VSC. A variety of demonstrations, lessons,

presentations, engineering challenges, and panel discussions will be presented to help classroom teachers implement standards-based curriculum based on State standards and the new VSC. Numerous vendors will display their resources that will assist teachers deliver exciting activities and enable students to become technological literate.

A keynote speech by a national leader in technology education, ball-park food, and door

prizes will again be featured.

The ball game is still in its early innings and it is time to keep your eye on the ball and focus on hitting a home run for you and your students.



PRESIDENT'S CORNER

Michael Weglein

My name is Michael Weglein and I am your new TEAM president for 2006-2007. I would like to introduce myself. I am Supervisor for the Technology Education and Information Technology career cluster for the Baltimore County Public Schools. I have been involved with technology education since 1998 in a variety of capacities. I am a 2005 graduate of the University of Maryland Eastern Shore's Master's of Education degree program in Career and Technology Education. My wife, Jennifer and I live

in Parkville, Maryland with our two daughters Emily and Julianna.

Many changes are on the horizon for TEAM. Both the TEAM awards selection process and TEAM awards dinner event will undergo changes. The awards nomination and selection process will now occur in the same school year. The TEAM awards dinner will be separated from the TEAM Expo in October. We will also have our TEAM awards event in February during National Engineers Week beginning in 2008.

I recently attended the state supervisors meeting for technology education at the Maryland Center for Career and Technology Education Studies. At this meeting, we were introduced to Doug Handy, the new MSDE Specialist for Technology Education and Family Studies. Doug was a technology education and PLTW teacher in the Howard County Public Schools prior to accepting the position at MSDE. I want to personally congratulate Doug on the promotion and hope that Doug will continue to provide a conduit between MSDE and TEAM.

Continued on page 6



Dr. Leon Copeland accepting the 2006 TEAM Lifetime Achievement Award



Douglas Handy, MSDE

"We thank Marquita Friday for her leadership and dedication throughout the years...."



New TEAM Awards Process

Starting with the 2007-2008 school year, a new procedure and timeline will be used for the TEAM awards. The awards will be determined and presented in the same school year unlike previous years. This will improve the process and reward individuals at the appropriate time.

The following are benchmarks for the process:

- May 1, 2007 - Application letter sent out to appropriate administrators, teachers, and TEAM members.
- September 15, 2007 – Nominee applications are due in to TEAM headquarters.
- October 19, 2007 – Award winners are announced at TEAM Tech Expo.
- February, 2008 – TEAM Awards Banquet held during National Engineers Week.
- March 2008 – Awards presented at ITEA Conference

Complete details and application will be listed on the TEAM website in May 2007.

TEAM Welcomes Douglas Handy

Douglas Handy is the new State Specialist for Technology Education at the Maryland State Department of Education. Doug comes to MSDE from Howard County Public Schools where he was a Technology Education teacher for five years at Wilde Lake High School. He taught in the Project Lead the Way program.

Doug replaced Marquita Friday who is now a lead specialist in DCTAL at MSDE. We thank Marquita for her leadership and dedication throughout the years to

TEAM and Technology Education.

Doug graduated from Baltimore Polytechnic Institute and earned a Bachelor of Science degree in Chemical Engineering from North Carolina Agricultural and Technical State University in Greensboro, NC. Prior to his educational career, he worked as a process development engineer for Wellman, Inc. in Johnsonville, SC, and as a manufacturing process

engineer for W.L. Gore & Associates, Inc. in Elkton, MD.

Doug's duties at MSDE include providing leadership and coordination for Technology Education, Family and Consumer Sciences, and Project Lead The Way.

TEAM would like to welcome Doug and we look forward to working with him as we shape the future and further the cause of Technology Education throughout Maryland.

Call for TEAM 2007 Tech Expo Presentations

If you are interested in presenting at the conference, please fill out the forms located at the end of this newsletter and submit an application. Application deadline to present is **June 1,**

2007. Please come and share your expertise with other teachers and administrators throughout the State.

This year's theme is "TEAM's All Star Line-Up: CATTs, PLTW, STEM & VSC"



2006 TEAM Tech Expo Recap

The Maryland Technology Education Voluntary State Curriculum: It's a Brand New Ballgame

A variety of displays, presentations, and demonstrations took place at the 2006 TEAM Tech Expo held in October at the Baltimore Museum of Industry. Approximately 200



people attended the baseball-theme event. Katharine Oliver, State Assistant Superintendent of Schools, Maryland State Department of Education, Division of Career and Technology Education, was the keynote speaker. She explained the new Maryland Technology Education Voluntary State Curriculum (VSC) and the requirement for local



October 20, 2006

school systems to implement courses and programs that aligned with the VSC starting in the fall of 2007. Over 20 vendors displayed their resources, hands-on demonstrations were conducted, and classroom teachers shared their tricks of the trade with their peers.



Ralph Olson and Chris Fox during TEAM's Expo at BMI



Executive Director's Report by Dr. Gerald Day

It has been my pleasure to serve as your executive director of TEAM during the last year. My main goal has been to assist the TEAM officers and board as they re-vamped the TEAM by-laws and develop an action agenda that will provide new and improved services and materials to its membership. Under the directorship of Mike Weglein and a new executive board, I am confident we will maintain and continue to improve as a strong professional organization on behalf of Technology Education. We have new officers in Christopher Putnam, Mike Rohrer, and Carl Truxel.

Returning "veterans" include Will Johnson, past-president of TEAM, and Ralph Olson, treasurer.

I want to thank Will Johnson for serving as TEAM's president for the last two years. Will did an excellent job with a variety of difficult tasks to keep the ball rolling in the right direction. He is one of the most dedicated and hard working individual I have ever worked with in my 38 years in education.

We hope to recruit more classroom Technology Education teachers into our membership, as well as appropriate career and

technology education administrators, supervisors, and coordinators. We want them to become active members of our professional organization.

If you have any ideas of how TEAM can improve to serve your professional needs, please contact me or any member of the executive board. We are here to serve you, and want to provide the resources to help you be the best professional educator.

Thank you for your continued support and dedication to the field of Technology Education.



"Will (pictured at right) did an excellent job with a variety of difficult tasks to keep the ball rolling in the right direction."

“Technology education

- A study of technology, which provides an opportunity for students to learn about the processes and knowledge related to technology that are needed to solve problems and extend human capabilities.”

As defined by the Maryland Voluntary State Curriculum

New TEAM Board for 2007-2008

A new TEAM executive board and officers were installed during the TEAM business meeting held in October. Mike Weglein is now the president, Christopher Putnam is the president-elect,

Ralph Olson is the treasurer, Mike Rohrer is the vice president of student affairs, and Carl Truxel is the secretary. Gerald Day is the executive director of TEAM, and Douglas Handy is the

new technology education specialist at the Maryland State Department of Education.



Maryland Engineering Challenges reported by Michael Rohrer

Challenges	Competition Date
Future City	January 27
Wood Bridge	February 24
Theme Park & Mars Rover	March 17
Paper Plane & Manufacturing	March 24
Hovercraft, Maglev & Historic Aircraft	March 31
Straw Bridge & Cargo Ship	April 21
Robot	April 28-29
Recycling & Cargo Plane	May 19
Safe Racer	June 2

The Engineering Challenges are well under way. The **Future City** event has already been held and was well attended. The **Wood Bridge** is the next event to be held. **The Mars Rover event is the event that TEAM sponsors and will be held on March 17, 2007.** Written reports for the Mars Rover Challenge are due on Friday, March 2, 2007. Reports should be delivered to the Baltimore Museum of Industry no later than 4:00 p.m. on that day. Reports may be mailed or dropped off to: Engineering Challenges - Mars Rover Middle School

Report
Baltimore Museum of Industry
1415 Key Highway
Baltimore, MD 21230

For a guide to writing the written report, please see the link below:
<http://www.thebmi.org/library/MiddleSchoolGuide2007.pdf>

If you have any questions, email questions to: pedwards@thebmi.org or mike.rohrer@fcps.org.

You can also check the BMI website at: <http://www.thebmi.org>

Project Lead the Way

As of this school year there are 16 local school systems involved with PLTW, with 43 high schools, 11 middle schools, and 1,404 students enrolled statewide in 2006-2007.



ITEA Conference in Baltimore -

It was only 1 year ago that TEAM helped to put on the ITEA Conference. This year ITEA's 69th Annual Conference will be held in San Antonio, TX on March 15-17, 2007 **TECHNOLOGICAL LITERACY: A GLOBAL CHALLENGE**

2006 TEAM Awards

Awards were presented at the annual TEAM Awards Banquet held on October 18.

Outstanding New Teacher Award

High School
Kevin O'Neill
Thomas S. Wootton H.S.
Montgomery County

Middle School
Gwendolyn Ashley
Patapsco Middle School
Howard County

Leadership Award
Michael Gray
Carroll County

Maley Scholarship Award
Gregory Ross Cullen UMES



This year's event was highlighted by a heartwarming keynote address by Mary Moreton, with Bechtel Corporation. More than 100 people attended this year's Awards Banquet.

Advocacy Award
Bechtel Corporation
Frederick County

TEAM President Award
William Johnson

Outstanding Teacher Excellence Award

High School
Raquel Marshall
James Hubert Blake H.S.
Montgomery County

Middle School
Michael Rohrer
Monocacy Middle School
Frederick County

Outstanding Program of Excellence Award

High School
Long Reach High School
Howard County

Middle School
Oakdale Middle School
Frederick County

LifeTime Achievement Award
Dr. Leon Copeland UMES



UMES Update

From the desk of Dr. Gerald Day

The spring semester has started at the Maryland Center for Career and Technology Education Studies (MCCTES) at the Baltimore Museum of Industry on Key Highway in Baltimore. A variety of teacher certification courses and graduate courses are being offered.

The graduate courses course being offered this semester are CTED 600, Career and Technology Education Content, Methods, and Strategies taught by Bob Gray, CTED 650 Research in Career and Technology Education taught by Dr. Gerald Day, and CTED 630 Special Problems in Career and Technology Education.

A new course, EDTE 488F Foundations of Technology taught by Carl Truxel with assistance from Bob Gray is being introduced to help teachers implement the new Maryland Voluntary State Curriculum (VSC) in Technology Education. The goal is to train instructors who can deliver this course statewide starting in the summer of 2007. All local school systems must teach courses for the basic and advanced technology education credit that align with the new VSC in Technology Education starting in the fall of 2007. Congratulations to **Jack Henry** (Baltimore County), **Scott Roger** (Hersey, PA),

David Snyder (Frederick), and **Kelly Stutzman** (Anne Arundel) who graduated with their master's degree in career and technology education in December 2006. The program has now graduated over 50 teachers since its inception six years ago.

New UMES courses in reading in the content area I and II, introduction to special education, work-based learning externship, and engineering design will be introduced this summer and fall at MCCTES. A recruiting campaign is now in progress to recruit more career and technology education teachers into the masters program, including those

"All local school systems must teach courses for the basic and advanced technology education credit that align with the new VSC in Technology Education starting in the fall of 2007"

teachers in agriculture, business education, family and consumer sciences, health occupations, trades and industrial education, STEM, and work-based learning.

Technology Education Association of Maryland

Dr. Gerald Day, Executive
Director

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Fax: 410-659-7629

E-MAIL:
gfday@mail.umes.edu



Mike Weglein
TEAM President

We're on the Web!

See us at:

<http://www.techedmd.org>

STEM Conference

There will be a State
STEM Conference on
Friday, March 23,

2007, at the
Mount Washington
Conference Center.

Contact Douglas
Handy at
dhandy@msde.state.md.us for more
information.

PRESIDENT'S CORNER *continued from page 1*

Michael Weglein

In January 2007, I had an opportunity to attend the state science, technology, engineering, and mathematics (STEM) coordinators meeting at MSDE. Speakers from NASA, Northrop Grumman, Montgomery County Public Schools, Johns Hopkins University, Morgan State University, and MSDE spoke about the importance of developing school/college/business partnerships and how these partnerships impact instruction in the STEM content areas. The presentation focused on the technology and engineering connections that can and should be made in every school. It was refreshing to finally see a presentation on the "T" and "E" areas of STEM. More significantly,

we are beginning to dispel the idea that computers and computer technology is the "T" in STEM.

The American Society of Mechanical Engineers wrote in their position statement on STEM education that "Technology means the processes and mechanisms used to modify and control our environment; technology includes chemical, structural, mechanical, electrical and electronic systems of which computers and information technology is only a small segment." (<http://www.asme.org/>)

Instructional technology has its place in the 21st century schoolhouse; however, instructional technology is not the "T" in

STEM. We are! The time is now. We have a new Voluntary State Curriculum (VSC) that is based on the National Standards for Technological Literacy.

The VSC is a road map for standards-based, technological literacy driven programs and instruction across our State. The VSC may be downloaded from MSDE at this address: <http://www.mdk12.org/instruction/curriculum/index.html>.

I wish all of you continued success as we embark on the new challenges and exciting opportunities for the technology education profession.

2006 TEAM Don Maley Awards Dinner Recap

by Will Johnson

As Past President of TEAM I wish to thank everyone involved who made the 2006 Awards Banquet a success, including our presenter Miss Mary Moreton senior vice president and manager of corporate Human Resources for Bechtel Corporation, This year's Maley Scholarship Award Gold Sponsor Goodheart-Willcox Publishers; Josh Berk and Chris Hegg; Department of Technology Chairman Dr. Leon Copeland of

UMES; our Master of Ceremonies, Paul Wiedorn; our Awardees; and Phillip Steinberg for his outstanding work on this years Awards Program. We look forward to seeing you next year!

Award recipients- page 5

TEAM Website- Visit Us!

By Christopher Putnam

TEAM is all about connecting educators with each other to share information and promote our profession. By design, that's what we have been working towards with the TEAM website. But it doesn't work without your participation. Visit the site, see what's going on in Maryland, and then get involved. We are looking for help on committees right now! Email our executive Director today!
<http://www.techedmd.org>



Maryland Center for CTE Studies
1415 Key Highway • Baltimore, MD 21230
Phone: 410-659-5332 Fax: 410-659-7629
Email: gfday@umes.edu

Dear Colleague:

The Technology Education Association of Maryland (TEAM) would like to take this opportunity to extend an invitation for you to participate in the Seventh Annual Technology Education **TECH EXPO 2007**. The theme this year is "TEAM's All Star Line-Up: CATTS, PLTW, STEM and VSC". The event will be held on **Friday, October 19, 2007** at the Baltimore Museum of Industry, 1425 Key Highway, Baltimore, MD 21230. The Conference will run from 8:00 a.m. to 3:00 p.m. This is TEAM's Annual Conference for all Technology Education teachers and supervisors in the State of Maryland.

***Please consider participating in this year's
TECH EXPO 2007
as presenter or participant in the Technology Festival***

To help or present contact: Will Johnson, EXPO 2007 Coordinator wjwin@aol.com

Help is needed in the following area(s):

1. ___ Presenter High School Program
 2. ___ Presenter Middle School Program
 3. ___ Venders
 4. ___ Registration
 5. ___ Setup/Clean-up
 6. ___ Breakfast/Lunch
 7. ___ Print Media and Signage
 8. ___ AV Multimedia/Onsite
-



**Application for TEAM'S Annual TECH EXPO
Presenter Conference Participation**
Annual Conference – Baltimore Museum of Industry
1425 Key Highway
Baltimore, Maryland 21230
October 19, 2007

Theme: TEAM's All Star Line-Up: CATTs, PLTW, STEM and VSC

Personal Information: PLEASE PRINT LEGIBLY.

Name: _____ Membership #: _____

Address: _____

City: _____ State: _____ Zip: _____

Contact Phone: _____ Email: _____

School/University/Business _____ County/State: _____

Professional Information:

FIELD: Technology Education Engineering Career and Technical Education Other

POSITION: Teacher Professor Administrator Student Other

LEVEL: Elementary Middle High College/University Other

Conference Information:

Other conference commitments:

(Please list possible scheduling conflicts.) Volunteer: _____

Committee: _____

Other: _____

I wish to participate as a: Presenter __ High School __ Middle School __ Other Chair/Host

Program Title (as it should appear in the conference program, **7 words** or less):

Program Description (as it should appear in the conference program, **25 words** or less):

Application for TEAM Annual Conference Participation

Conference Information Continued:

Intended Audience:

This presentation addresses the following strand(s):

- | | |
|---|---|
| <input type="checkbox"/> Elementary Educators | <input type="checkbox"/> Content Standards |
| <input type="checkbox"/> Middle School Educators | <input type="checkbox"/> Curriculum and Instructional Materials |
| <input type="checkbox"/> High School Educators | <input type="checkbox"/> Teaching Strategies |
| <input type="checkbox"/> Supervisors/Administrators | <input type="checkbox"/> Other: (Please Describe) _____ |
| <input type="checkbox"/> University/College Educators | |

Please identify any individuals who will be assisting as Co-Presenter(s) or as a Chairperson/Host:

Co-Presenter(s): _____ Co-Presenter(s): _____

Co-Presenter(s): _____ Co-Presenter(s): _____

Chair/Host: _____

Presentation Equipment/Media Needs: *Any AV needs must be provided by the presenter.*

Please List the Major Goals (3 maximum) of Your Presentation:

- ◆
- ◆
- ◆

Please Provide A Brief Outline Of Your Presentation on a Separate Sheet of Paper:

Presentation papers are often included in TEAM media and publications. By submitting this application, permission is given to include this presentation as part of TEAM publications. Applications must be signed to be considered for the October 2007 program. Presenters are also encouraged to develop their presentations into articles for TEAM and ITEA publications. ***Please sign and return completed form by April 30, 2007 to:***

TEAM – Technology Education Association of Maryland
Attn: Will Johnson
129 Broadway Hagerstown, Maryland 21740
wdjwin@aol.com

Applicant Signature: _____

Date: _____

2006 TEAM Budget Summary submitted by Ralph Olson, TEAM Treasurer

	Income	
	Budget	Actual
Dues	\$ 4,000.00	\$ 1,260.00
Registrations	\$ 3,000.00	\$ 2,582.00
Vendors (Expo Fees)	\$ 2,500.00	\$ 4,860.00
Professional Development	\$ 480.00	\$ 480.00
DONATIONS Members		\$ 960.00
DONATIONS Sponsors		\$ 1,100.00
Dinner Sales	\$ 3,200.00	\$ 2,210.00
Advertising Sales	\$ 650.00	\$ 220.00
TOTAL \$	13,830.00	\$ 13,672.00

ITEA Conference \$ 4,605.05

	Expenses	
	Budget	Actual
Office		
Executive Director	\$ 2,700.00	\$ 811.00
President	\$ 700.00	\$ 498.00
	\$ 3,400.00	\$ 1,309.00
Publications & Resources -	\$ 200.00	\$ 400.00
Professional Relations	\$ 4,200.00	\$ 3,756.00
Professional Development	\$ 5,330.00	\$ 2,112.00
Student Affairs	\$ 700.00	\$ 1,000.00
TOTAL \$	13,830.00	\$ 8,577.00

ITEA Conference \$ 4,175.08

MARS ROVER

Each year **TEAM** sponsors the Mars Rover Engineering Challenge. This year the Rover activity has introduced a middle school category. Teams use a variety of approaches and systems including the Boe Bot, Lego Mindstorm, Vex kit, and more. This activity teaches student hands-on machining, computer programming, teamwork, and more. Both middle and high school divisions include an autonomous challenge. The high school also offers a



Link to MD Engineering Challenges - <http://www.thebmi.org/content/index.cfm/ContentID/1811/SectionID/537>

radio controlled competition. Teams must traverse a simulated Mars landscape. Robotics is an exploding technology field in the world of work. Maryland Technology Education teachers are preparing students today for a successful future – and having fun too!

Maryland News

Recently "Washington Technology" interviewed Mike Shealey, Director of the Maryland Center for Career and Technology Education Studies at the Baltimore Museum of Industry- view it online at http://www.washingtontechnology.com/print/21_24/29875-1.html?topic=last-byte

Coming in August
The 2007 TEAM Journal
 Bigger and Better than Ever!
 Our informative, magazine format periodical will be full of useful, timely articles and more!

TEAM
 1415 Key Highway
 Baltimore, MD 21230

