



TIDE *Inside* E

Technology, Innovation, Design, and Engineering

Monday, June 11, 2007

ITEA Launches *Inside TIDE*

Welcome to the first issue of *Inside TIDE*—an entirely new electronic newsletter! Its purpose is to bring you all the “inside” information pertaining to the world of TIDE—Technology, Innovation, Design, and Engineering.

Inside TIDE is a free service of **ITEA**, the International Technology Education Association, in an effort to support educators from around the world who share the belief that **technological literacy is a critical component** of an education in today’s world.

Inside TIDE recognizes the natural relationship between the fields of technology, innovation, design, and engineering and is designed to facilitate communication between all those who support technological literacy.

Inside TIDE will regularly bring you timely information pertaining to professional development opportunities, assistance with marketing your program, information about legislative efforts, opportunities to connect and share information with other technology educators, and MUCH more!

You won’t be losing the features of *TrendScout* that you’ve grown to depend on: *Inside TIDE* will bring you the same information and even more—another way that ITEA strives to keep its members up to date with important information geared to assist you in your professional endeavors.

If you have news or calendar items that you feel are appropriate to share in a future issue of *Inside TIDE*, email them to kcluff@iteaconnect.org. We welcome your input!

Free Resources for Technology Teachers

Colleague Connection is a new service intended to allow potential professional or advocate members of ITEA the opportunity to experience the benefits of working together with current members to advance the teaching of technology.

The importance of teaching TIDE (Technology, Innovation, Design, and Engineering) in our schools is becoming more and more evident. Increasing membership in ITEA is one way we can make our voice stronger—greatly improving our ability to advocate the advancement of technological literacy in our society.

Through *Colleague Connection*, a current ITEA member can invite a colleague to experience ITEA membership for a limited period at NO CHARGE. After signing up, the potential member is permitted to share in listserv discussions, receive

up-to-date news regarding the field and association, and have increased access to other existing resources.

To share this unique opportunity with someone you feel would be a good candidate in our efforts to bring technology education into the spotlight, please visit the *Colleague Connection* informational page at www.iteaconnect.org/cc.htm. You can also click on the *Colleague Connection* card to view printable cards that can then be shared.

The best way to strengthen the position of our field is to increase the number of those advocating the teaching of technology. This is a free opportunity for you to spread the word to your colleagues and invite them to

FREE RESOURCES FOR TECHNOLOGY TEACHERS
www.iteaconnect.org/cc.htm

experience ITEA, an association with the clear goal of advancing technological literacy.

Connect YOUR colleagues today!
www.iteaconnect.org/cc.htm

Inside TIDE is a free service of

The International Technology Education Association

Brought to you by
 Invention, Innovation, and Inquiry (I³)

San Antonio Conference Wrap-Up

Thank you to all those ITEA San Antonio Conference attendees! We hope you came away with many memorable professional development experiences.

If you were a volunteer at the San Antonio conference, we couldn't have done it without you!

Another thank you goes to those who completed the post-conference survey sent via email. Your thoughts and comments will assist the staff in providing great programs in the future.

Be sure to mark your calendar for next year's conference in [Salt Lake City](#), February 21-23, 2008.



Salt Lake City, Utah.

Call for Presentations



A teacher shares ideas.

Technology, Innovation, Design, Engineering—four simple words forming the acronym TIDE—and the basis for ITEA's 2008 conference theme, Teaching "TIDE" With Pride! [ITEA's 70th Annual Conference and Exposition](#) will be held in beautiful Salt Lake City, UT on February 21-23, 2008, and YOU are invited to become a presenter!

Presentation information is now available on the ITEA website at www.iteaconnect.org/Conference/apptopresent.htm, and the online application form can be found at www.zoomerang.com/recipient/survey-intro.zgi?p=WEB225T6VQPX9B.

[Act NOW! Deadline for applications is June 15, 2007.](#)

Idea Garden News

[Idea Garden](#), the blockbuster listserv for technology teachers is going STRONG! Hundreds of teachers are already utilizing this listserv to share information and ideas, solve problems, and CONNECT with other teachers in the field.

Already a member? Make sure your email provider doesn't use a filter that

thinks the IdeaGarden is spam. If your email provider bounces the IdeaGarden five consecutive times, your email is automatically removed from the list. If this happens to you, email CJ at itea@iteaconnect.org for assistance.



Changes

Former ITEA President, **Dr. Anthony Gilberti** is now the Dean of the School of Science and Technology at Fairmont State College in West Virginia.

Former ITEA President, **Dr. Michael D. Wright, DTE**, is now the Dean of the College of Education at the University of Central Missouri.

Ready to participate?
Click [HERE](#).

Note: you must be a [member](#) of ITEA or be signed up for service through [Colleague Connection](#).



Green Beans on the Moon?

STEM educators across the U.S. will work together this summer to prepare to bring the NASA STS-118 Design Challenges into classrooms. This educational initiative coordinates with Space Shuttle Endeavour's STS-118 Mission and the first flight of Educator Astronaut and Mission Specialist Barbara R. Morgan. **WILL YOU AND YOUR SCHOOL OR DISTRICT BE PART OF THIS MISSION?**

CURRICULA AVAILABLE SUMMER 2007 FOR FALL IMPLEMENTATION:

- Elementary, Middle, and High School Design Challenges.
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These comprehensive units:

- Reflect a Unique Partnership between NASA Scientists and Engineers and Education Professionals.
- Incorporate Leading Edge Insight and Practical Experiences for Students on How NASA Works and Plans.

**Workshops Are Filling Up Now for Summer 2007!
 Register NOW—go to www.teachstem.net**

Find a Location Near You!

| | |
|-------------------|-------------------------------|
| July 19, 2007: | Arlington, TX |
| July 24, 2007: | Sewell, NJ |
| July 25-26 2007: | Millersville, PA |
| August 1-2, 2007: | Sacramento, CA |
| August 2, 2007: | Hampton, VA (Elementary Only) |

For more information: www.teachstem.net; smeade@iteaconnect.org



Developed through the Center to Advance the Teaching of Technology and Science (CATTS)



Coordinates with the Engineering byDesign™ Comprehensive Model Program

Identity Theft — It Can Happen to You!

The Federal Trade Commission estimates that ten million Americans—one out of every thirty—will be victims of identity theft this year.

The FTC estimates that American will spend a combined 300 million hours this year to repair the damage of identity theft. Here are ways to minimize your risk of becoming a victim:

- Shred financial documents and other papers containing personal information before throwing them away.
- Don't give out account numbers, Social Security numbers, or other personal information by phone, mail, or the Internet unless you have initiated the contact.
- Use complex character strings for your accounts passwords, mixing

upper and lower case alpha and numeric characters.

- Monitor your credit report and your account statements for suspicious activity
- Subscribe to an identity theft protection service such as ID Theft Assist, which is available at a special rate to ITEA members. ID Theft Assist can alert you via email whenever there's a change to your credit report, and it will handle the entire recovery process if you become an identity theft victim.



For more information on ID Theft Assist and to enroll online, visit www.ftj.com/tie/idtheft.

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Your Classroom is Already Full of Good Ideas!

Classroom teachers whose submitted manuscripts are accepted and published by way of *The Technology Teacher's* peer-review process will receive the following:

- A Free Teacher Certification Workshop from PTC—upon completion, you will receive 300 seats of PTC's Pro/Engineer Schools Edition software, classroom materials, project-based activities, student certification and assessments, discussion groups, and web-based resources.
- A *Technology Teacher* authorship pin
- A *Technology Teacher* authorship certificate



For more information about submitting a manuscript to *The Technology Teacher*, go to www.iteaconnect.org/Publications/ttt.htm for support materials to help you get started.

Questions? Ready to submit an article? Contact Katie de la Paz at kdelapaz@iteaconnect.org.

This offer is brought to you by ITEA and PTC, who recognize the importance of classroom teachers sharing their experiences with others. To learn more about PTC's educational outreach, visit: www.ptc.com/go/education. This offer is currently extended to the first 10 classroom teachers whose manuscripts are accepted.



NCAA Requirements

In an effort to respond to member concern about potential NCAA requirements to eliminate technology education courses from eligibility for college credit. Rich Seymour, CTTE President, researched the issue and found the following:

The NCAA faces an amazing challenge, comparing the academic preparation of thousands of potential student-athletes each year. Their goal is to avoid having "star" athletes take overly easy courses throughout their high school years. So they have established some fairly tight (if not all that rigorous) standards for high school students interested in playing Division I, II, or III sports.

Conclusions:

1. The NCAA places an emphasis on communication, math, social sciences, science, and foreign language coursework. That's it! Those are the basic (core) academic areas that count from all high school courses. You can take any elective on the books (with all As, mind you), but it isn't of interest to the NCAA leadership. That said, many elective titles fit nicely into those five core categories.
2. Previously, the NCAA required 14 credits in those five "core" areas. That is far below the graduation requirements of most states and school systems. The number is rising to 16 credits starting this fall. Here is a link to the new guidelines:

www1.ncaa.org/eprise/main/parent-prospect/index.html

Now, the NCAA uses a Clearinghouse for tracking, verifying, etc. of potential student-athletes. That center is moving to Indianapolis soon, but at the moment still resides in Kansas. Every secondary school in the country registers its institution with that site . . . provided they want graduates to play a sport at the next level.

To link to that organization, go to www.ncaaclearinghouse.net/NCAA/common/index.html. Choose PROSPECTIVE STUDENT-ATHLETE and go to the "list of approved courses." If you don't know your school's ID number, you can always find the number using their search engine.

For instance, I looked up the school system in Muncie, Indiana. When I pulled up the details I found out that there are 13 communication class titles, 15 social studies classes, 11 math classes, 11 science classes, and 10 foreign language classes that the

NCAA accepts without question out of the high school curriculum. Notice that Technical Communication is one of the classes on that list!

Finally, here's the important scenario for technology education and engineering educators . . .

1. Schools fill out a Form 48H to register their academic courses with the NCAA.
2. The list of approved courses is submitted by each school, then is updated regularly, and maintained online by the NCAA Clearinghouse. If the course appears on that list, there isn't an issue for graduates who want to become future athletes.
3. What secondary schools call elective class titles (at their schools) often get added to that official list. As noted above, technical communication at Yorktown High School obviously aligns with the communication category, just as an engineering course might

"fit" in a math category. I would think that a technology enterprise course title might fall under the social sciences heading, or a material science / processing class might be considered a science (lab) class.

4. So, the responsibility of each school district is to have its guidance department or administration complete the Form 48H forms and get their TIDE-related course titles approved. The Clearinghouse staff might do some subtle follow-up but most technology classes should be able to withstand the evaluation process.

It would appear that technology-based classes can fulfill graduation and NCAA eligibility requirements as long as they are listed within the five categories that the NCAA tracks across the county. It's that simple.

Dr. Richard D. Seymour
Ball State University

Where would we be without
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Conference Opportunities

June 15, 2007 Deadline for applications to present at the 70th Annual ITEA Conference, February 21-23, 2008. The conference theme is *"Teaching TIDE With Pride."* Application information and a link to the online application form is available on the ITEA website at www.iteaconnect.org/Conference/apptopresent.htm.



June 21-27, 2007 PATT-18: Pupils' Attitudes Towards Technology, International Design, and Technology Education Conference, *"Teaching and Learning Technological Literacy in the Classroom,"* will be held in Glasgow, Scotland. For further information about the conference or presentation opportunities, contact the Conference Director, **John Dakers**, at jdakers@educ.gla.ac.uk.

June 24-28, 2007 The 29th Annual National TSA Conference, *TSA, Breaking Down the Boundaries*, will be held at the Gaylord Opryland Resort and Convention Center. The conference will feature high school and middle school competitive events, a one-day Education Fair, and the DuPont Leadership Academy. Visit www.tsaweb.org/content.asp?contentid=407 for complete information, or contact **Donna Andrews**, TSA Conference Manager, Technology Student Association, 1914 Association Drive, Reston, VA 20191; dandrews@tsaweb.org; 703-860-9000 (ex. 15); 703-758-4852 fax.



June 29-July 3, 2007 The Sixth CRIPT International Primary Design and Technology Conference will be held in Birmingham, England. It brings together educators from all continents to discuss the latest developments in this world-wide developing area. Contact **Professor Clare Benson** at clare.benson@uce.ac.uk for further details or visit www.ed.uce.ac.uk/crypt.

July 8-13, 2007 The World Conference on Science and Technology Education, hosted by the International Council of Associations for Science Education (ICASE) and the Australian Science

Teachers Association (ASTA), will be held in Perth, Western Australia. Information can be found at www.worldste2007.asn.au/.

July 16-19, 2007 The Texas CTE Professional Development Conference for the Clusters of Science, Technology, Engineering & Mathematics (STEM) and Manufacturing—*"AchieveTexas, Embracing The Challenge"*—will be held at the Wyndham Arlington-DFW Airport South Hotel in Arlington, Texas. For more information visit www.ingenuitycenter.com or contact **Julie Moore** at 903-566-7378 or juliemoore@ingenuitycenter.com.

July 25-28, 2007 The National Board for Professional Teaching Standards (NBPTS) National Conference and Exposition, *Making Connections: Linking Teaching and Leadership*, will take place at the Hilton Washington Hotel in Washington, DC. Details are available at www.nbpts.org/about_us/events.

August 1-3, 2007 The Virginia Technology Education Association (VTEA) will present its 2007 Summer Conference, *From the Sea to the Stars*, at the Hampton Holiday Inn & Conference Center in Hampton, VA. Visit www.vtea.org/conference/annual.html or contact jeswhite@sbo.hampton.k12.va.us for information.



September 14-15, 2007 The Leadership Conference on Aviation and Space Education (LCASE) will be held at the Marriott Crystal Gateway in Arlington VA. Information can be obtained at www.lcase.info/.

September 27-29, 2007 The Minnesota Technology Education Association

(MTEA) will hold its 2007 Fall Conference, *"Tech Ed – Back to the Future II,"* at the St. Cloud Holiday Inn. Visit www.mtea.net or contact **Dr. Mike Lindstrom**, Fall Conference Program Chair (763-506-1115/W; 763-506-1003/Fax) or **Dan Lundborg**, Registration Chair (763-506-5467/W; 763-323-7926/H) for general information.

October 2-5, 2007 TENZ (Technology Education New Zealand), along with Auckland University, will hold its 2007 conference at the Waipuna Hotel, Mt. Wellington, Auckland, New Zealand. This year's conference will focus on technological learning communities. Registration and call for abstracts are now open. Visit www.tenz2007.auckland.ac.nz for details.



October 11-13, 2007 The state of New Hampshire will host the NEATT conference in Worcester, MA. For immediate updates, check the TEAM website at <http://maineteched.org>.

October 16-18, 2007 Save the date for the National Conference on Aviation and Space Education, which will be held at the Crystal Gateway Marriott in Arlington, VA. More information will be coming soon.

October 18-20, 2007 The Florida Technology Education Association will hold its 78th annual professional development conference, *"Inspiring today, applying tomorrow,"* at the Holiday Inn Hotel & Suites Harbourside in Indian Rocks Beach. Presentation applications are being accepted through **July 1, 2007**. Information is available at www.ftea.com/conferences_workshops.htm.

I³

Invention, Innovation, and Inquiry

Invention, Innovation, and Inquiry (I³) is a hands-on minds-on series of 10 instructional units that each last approximately 10 to 12 hours. Students work in pairs to complete a portfolio as they engineer a solution to a technological challenge. Solutions must be researched, designed, constructed, tested, and presented to the class. Additional resources and training is available for teachers and schools. See www.i3cubed.com

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