



Summer 2003

School Scene

Technology Student Association, 1914 Association Drive, Reston, VA. 20191-1540, www.tsaweb.org

It's Official: Introducing TSA's 2003-2004 National Officers



TSA President
Amy Groner



TSA Vice President
Kimberly Jungermann



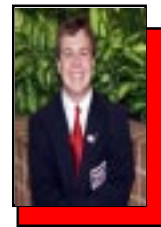
TSA Secretary
Georgia Varlan



TSA Treasurer
Kim Eubanks



TSA Reporter
Lynsey Stuart



TSA Sergeant-At-Arms
Brandon Walters

Here are the newly elected National TSA Officers:

TSA President
Amy Groner

Powell High School
Powell, Tennessee

TSA President Amy Groner has served as the Tennessee's TSA State Treasurer, State Vice President and State President. Placing in more than eight TSA national and state competitions, Amy has been a TSA member since 8th grade. In addition to numerous academic awards during her high school years, Amy was honored for her achievement in English, US History, geometry and speech.

TSA Vice President
Kimberly Jungermann

Jay High School
Jay, Oklahoma

TSA Vice President Kimberly Jungermann served as her State TSA Treasurer, Vice-President

and President. She placed second at National TSA in Prepared Speech. Participating in numerous fall leadership conferences, she has served as an officer from the local to the national level. Among other school and co-curricular affiliations, Kimberly is a National Honor Society member.

TSA Secretary
Georgia Varlan

Bearden High School
Knoxville, Tennessee

TSA Secretary Georgia Varlan has served as Chapter Secretary, President, Tennessee State

Secretary and Vice President. In various TSA competitions at state, regional or national levels, Georgia has earned multiple 1st, 2nd, and 3rd place honors. She has received outstanding student awards in World History, English and has been active in student government, swim team, and dance.

TSA Treasurer
Kim Eubanks

Fort Gibson High School
Fort Gibson, Oklahoma

TSA Treasurer Kim Eubanks served as the Oklahoma State

New National Officers, continued on p. 3



Summer 2003 School Scene

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- Qualified Engineering Students Wanted.....page 6

And The 2003 Winners Of TSA's Competitions Are..

Agriculture and Biotechnology Challenge, MS			Desktop Publishing, HS			Manufacturing Prototype, HS		
1 Team	Eastern Wayne MS	NC	1 Sarah Moyer	Chelsea HS	OK	1 Team	Webster Co. Area Tech Center	KY
2 Team	Clinton MS	MO	2 Jay Sliger	Fox Chapel Area HS	PA	2 Team	Manatee HS	FL
3 Team	Karns MS	TN	3 Cathy Lambey	Clay County HS	WV	3 Team	Gladys Porter HS	TX
Agriculture and Biotechnology Design, HS			Digital Photography Challenge, MS			Marine Design Challenge, MS		
1 Team	Gladys Porter HS	TX	1 Laysa Hedjar	Stuarts Draft MS	VA	1 Team	Cedar Bluff MS	TN
2 Team	McFatter Tech HS	FL	2 Leah Chaldares	Stuarts Draft MS	VA	2 Team	Norwayne MS	NC
3 Team	Plant City HS	FL	3 Kevin Paulsen	Canonsburg MS	PA	3 Team	Fannin County MS	GA
Architectural Model, HS			Dragster Design Challenge, MS			Mechanical Challenge, MS		
1 Team	State College Area HS	PA	1 Tyler Marshall	Bloomsburg Area HS	PA	1 Team	Elizabeth MS	CO
2 Team	Ambridge Area SHS	PA	2 Bryant Walker	Bradley MS	NC	2 Team	Hunter MS	TN
3 Team	William H. Turner Tech HS	FL	3 Lauren Bealafeld	Milford MS	PA	3 Team	Emerson JHS	OK
CAD 2D--Architectural, HS			Dragster Design, HS			Medical Technology Challenge, MS		
1 Brian Mascio	Heritage HS	CO	1 Ron Engle	Hopewell HS	NC	1 Team	Cedar Bluff MS	TN
2 Andrew Miller	Louisville HS	MS	2 Alex DeRose	Bloomsburg Area HS	PA	2 Team	Spring Hill MS	NC
3 Chris Watkins	Thomson HS	GA	3 James Daniels	Manatee HS	FL	3 Team	Robertsville MS	TN
CAD 3D--Engineering, HS			Electrical Applications, MS			Medical Technology, HS		
1 Scott Schubert	Randolph Tucker HS	VA	1 Chris Anderson	D. R. Hill MS	SC	1 Team	Riverview HS	FL
2 Charlie Woods	Kittatinny Reg. HS	NJ	2 John Addleman	Mechanicsburg MS	PA	2 Team	High Technology HS	NJ
3 Curtis Nguyen	Ft Zumwalt N. HS	MO	3 Brandon Blakeney	South Jones JHS	MS	3 Team	State College Area HS	PA
CAD Animation--Architectural, HS			Electronic Research and Experimentation, HS			Membership Recruitment Challenge, HS		
1 Severin Odic	D. S. Freeman HS	VA	1 Team Entry	Chestnut Ridge SHS	PA	1 Team	Caverna HS	KY
2 Gabriela Campana	N. Allegheny SHS	PA	2 Team Entry	Kittatinny Reg. HS	NJ	2 Team	Adrian SHS	MO
3 Sean Millot	Eau Gallie HS	FL	3 Team Entry	S. Gwinnett HS	GA	3 Team	Oak Ridge HS	TN
CAD Animation--Engineering, HS			Engineering Design, HS			Membership Recruitment Challenge, MS		
1 Ryan McCaskill	Kittatinny Reg. HS	NJ	1 Team	Fox Chapel Area HS	PA	1 Team	Sleepy Hill MS	FL
2 Damon Pipenberg	State College Area HS	PA	2 Team	Kittatinny Regional HS	NJ	2 Team	Northside MS	VA
3 Eduardo Delgado	Gladys Porter HS	TX	3 Team	Amber-Pocasset HS	OK	3 Team	Strayer MS	PA
Challenging Technology Issues, MS			Environmental Challenge, MS			Prepared Presentation, HS		
1 Team Entry	Bearden MS	TN	1 Team	Upper Perkiomen MS	PA	1 Marsia Brantley	Rush Springs HS	OK
2 Team Entry	Hunter MS	TN	2 Team	Strayer MS	PA	2 Jenna Derrico	Canon-McMillan HS	PA
3 Team Entry	Dewitt MS	NY	3 Team	Ellerbe JHS	NC	3 Tiffany Mack	Timberland HS	SC
Chapter Team, HS			Extemporaneous Presentation, HS			Prepared Speech, MS		
1 Team	Oak Ridge HS	TN	1 Kyle Bixenmann	Delta HS	CO	1 Matthew Ridgeway	Wilbur S. Pence MS	VA
2 Team	Carthage HS	TX	2 Stephen Donoho	Bartram Trail HS	FL	2 Preston Ebaugh	East Naples MS	FL
3 Team	South Jones HS	MS	3 Bethany Allyn	Kingswood Reg. HS	NH	3 Ashton Pittman	Rush Springs MS	OK
Chapter Team, MS			Film Technology, HS			Problem Solving, MS		
1 Team	Karns MS	TN	1 Team Entry	Central Hardin HS	KY	1 Team	Conestoga Valley MS	PA
2 Team	Robertsville MS	TN	2 Team Entry	Blaine HS	WA	2 Team	Culbreth MS	NC
3 Team	Bearden MS	TN	3 Team Entry	Rockbridge Cnty HS	VA	3 Team	Tomlin MS	FL
Communication Challenge, MS			Flight Challenge, MS			Promotional Graphics, HS		
1 David Baker	Canonsburg MS	PA	1 Ian Morrison	Central Baldwin MS	AL	1 Erica Rose	Riverdale HS	GA
2 Rachel Hughes	Spring Hill MS	NC	2 Matthew Ridgeway	Wilbur S. Pence MS	VA	2 Sean Birch	Palm Bay HS	FL
3 Courtney Cotton	Glasgow MS	KY	3 Kevin Horn	Cedar Bluff MS	TN	3 Matt Vore	North Callaway HS	MO
Computer Applications, MS			Flight Endurance, HS			Radio Controlled Transportation, HS		
1 Isaac Hulvey	Wilbur S. Pence MS	VA	1 Kurtis Woods	Fort Zumwalt N. HS	MO	1 Team	Lewistown Area HS	PA
2 Kyle Parsons	Wilbur S. Pence MS	VA	2 Justin Everhardt	Riverview HS	FL	2 Team	Sherando HS	VA
3 Joseph Scherer	Fannin County MS	GA	3 Nick Lukas	Riverview HS	FL	3 Team	Stafford HS	VA
Computer Systems Troubleshooting, HS			Graphic Design Challenge, MS			Scientific and Tech Visualization, HS		
1 Team	Manteo HS	NC	1 Jessica Metzger	Tomlin MS	FL	1 Team	Russellville HS	KY
2 Team	Heritage HS	VA	2 Hannah Davenport	Manteo MS	NC	2 Team	Harrisonburg HS	VA
3 Team	Bartram Trail HS	FL	3 Lindsey Hatcher	Fairhope MS	AL	3 Team	Palm Bay HS	FL
Construction Challenge, MS			Imaging Technology, HS			Structural Challenge, MS		
1 Team	Dewitt MS	NY	1 Kevin Kuban	Oak Ridge HS	TN	1 Team	McClintock MS	NC
2 Team	Upper Perkiomen MS	PA	2 Maryanne DellaSalla	Canon-McMillan HS	PA	2 Team	Central Baldwin MS	AL
3 Team	Robertsville MS	TN	3 Alicia Nolen	Providence HS	NC	3 Team	Bearden MS	TN
Construction Systems, HS			Inventions & Innovations, MS			Structural Engineering, HS		
1 Team	High Technology HS	NJ	1 Team	Donald H. Eichhorn MS	PA	1 Team	Boerne HS	TX
2 Team	State College Area HS	PA	2 Team	Norwayne MS	NC	2 Team	Timberland HS	SC
3 Team	John Hardin HS	KY	3 Team	Lemoyne MS	PA	3 Team	Arapahoe HS	CO
Cyberspace Pursuit, HS			Leadership Challenge, MS			System Control Technology, HS		
1 Team	Marshall County HS	KY	1 Team	South MS	WV	1 Team	Middlesex HS	VA
2 Team	State College Area HS	PA	2 Team	Eastern Wayne MS	NC	2 Team	Louisburg HS	KS
3 Team	Harrisonburg HS	VA	3 Team	Bearden MS	TN	3 Team	Clinton HS	NC
Cyberspace Pursuit, MS			Manufacturing Challenge, MS			System Control Technology, MS		
1 Team	Camden MS	SC	1 Team	Spring Hill MS	NC	1 Team	Stewart MS	VA
2 Team	W. D. Sugg MS	FL	2 Team	Flood MS	CO	2 Team	Shelby County East MS	KY
3 Team	Carver MS	NC	3 Team	Norwayne MS	NC	3 Team	Oak Canyon JHS	UT

2003 Winners



- Tech Design Challenge, MS**
 1 Katherine Walendzik Camden MS SC
 2 Mary La RD & Euzelle P. Smith MS NC
 3 Andrew Homich Lemoyne MS PA
- Tech Research and Report Writing, HS**
 1 Blaire Hawkins Rockbridge Cnty HS VA
 2 Ted Yavuzkurt State College Area HS PA
 3 Jonathan Saethang Riverdale HS GA
- Tech Sketching and Application, HS**
 1 Crystal Byrd Highland School of Tech. NC
 2 Matt Sunderland Lewistown Area HS PA
 3 Alex Arkin D. S. Freeman HS VA
- Tech Writing Challenge, MS**
 1 Anup Myneni Tabb MS VA
 2 Emmeline Zhao McDougale MS NC
 3 Mary La RD & Euzelle P. Smith MS NC
- Technological Systems, HS**
 1 Team Wilhelm-Ostwald-Gymnasium GR
 2 Team Eau Gallie HS FL
 3 Team Mechanicsburg Area SHS PA
- Technology Bowl Challenge, MS**
 1 Team Lemoyne MS PA
 2 Team Culbreth MS NC
 3 Team Mechanicsburg MS PA
- Technology Bowl Written, HS**
 1 Andrew Smith Eastern Wayne HS NC
 2 Michael Richards Hopewell HS NC
 3 Daniel McKnight Eastern Wayne HS NC
- Technology Bowl Written, MS**
 1 Kevin Brent Manor MS PA
 2 John Addleman Mechanicsburg MS PA
 3 Ryan Musa Dewitt MS NY
- Technology Bowl, HS**
 1 Team Oak Ridge HS TN
 2 Team Eastern Wayne HS NC
 3 Team Hopewell HS NC
- Technology Challenge, HS**
 1 Team Bartram Trail HS FL
 2 Team Flower Mound HS TX
 3 Team Powell HS TN
- Technology Problem Solving, HS**
 1 Team Booker T. Washington HS FL
 2 Team Bloomsburg Area HS PA
 3 Team Lowndes HS GA
- Transportation Challenge, MS**
 1 Elizabeth Dias Culbreth MS NC
 2 Caroline Aldridge Robertsville MS TN
 3 Evan Miller Strayer MS PA
- Transportation Modeling, HS**
 1 Carl Lynn Stafford HS VA
 2 Thanh Nguyen Mt. Zion HS GA
 3 Jacob Walahoski Johnston HS IA
- TSA Talk/Multimedia, MS**
 1 Martin Merryman Flood MS CO
 2 Zachary Rosen Nova MS FL
 3 Josh Ross East Naples MS FL
- Video Challenge, MS**
 1 Team Entry Strayer MS PA
 2 Team Entry B Wilbur S. Pence MS VA
 3 Team Entry Conestoga Valley MS PA

Students Create Race Cars For 'F1 Team In Schools' CAD/CAM Design Competition

During this year's national conference, TSA hosted a Demonstration Event called "Jaguar F1 Team in Schools CAD/CAM Design Challenge."

Presenting the awards were: Les Ratcliff of Jaguar, Andrew Denford, Chief Executive, Denford, Ltd, and Lonny Greer of EDS.

Selected from among 20 teams, the 12 TSA Chapter team finalists were:

- Euclid Middle School, CO
- Haile Middle School, FL
- Sleepy Hill Middle School, FL
- Fitsgerald High School, GA
- Mount Zion High School, GA
- Bloomsburg High School, PA
- Fair Grove High School, MO
- Landstown High School, VA
- Heritage High School, VA
- Litchfield High School, CT
- Northside Middle School, VA
- South Middle School, WV

- And the Middle School winners were:
- 1st Place Sleepy Hill Middle School, FL
 - 2nd Place Haile Middle School, FL
 - 3rd Place Euclid Middle School, CO



Photo Courtesy of Harold Holley, Pitco

At TSA's National Conference, chapter teams designed, modeled and raced F1 race cars in the pilot competition called 'F1 Team in Schools.'

- And the High School winners were:
- 1st Place Bloomsburg High School, PA
 - 2nd Place Mount Zion High School, GA
 - 3rd Place Fitzgerald High School, GA

- EDS provided a plaque for the "Best Engineered Car." The recipients were:
- 1st Place Bloomsburg High School, PA
 - 2nd Place Mount Zion High School, GA
 - 3rd Place Sleepy Hill Middle School, FL
- The overall "Fastest Car" winner was: Bloomsburg High School, PA.

New 2003-04 TSA National Officers Announced

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Reporter and her Chapter's Sergeant-At-Arms and Reporter. This year, she will work on the yearbook editorial staff and is a National Honor Society member. She has been an actress in several plays.

TSA Reporter Lynsey Stuart

Bearden High School
Knoxville, Tennessee

TSA Reporter Lynsey Stuart served as the Tennessee State Reporter, her Chapter's Reporter, Sergeant-At-Arms, and Secretary. She has earned multiple 1st, 2nd, and 3rd place honors for TSA competitions at state, regional and national

levels. She participates in 4-H, dance and musical productions as well as other youth group activities.

TSA Sergeant-At-Arms Brandon Walters

South Jones High School
Ellisville, Mississippi

TSA Sergeant-At-Arms Brandon Walters has served in such TSA capacities as School Chapter Sergeant-At-Arms, High School Chapter Secretary, Mississippi Parliamentarian, Vice President, and President. Although highly involved in his TSA Chapter for the past three years, Brandon serves in officer position in several other student organizations.



Outstanding TSA Members, Chapters And Initiatives Honored Through Awards and Recognition Programs At National Conference

The Awards and Recognition Programs recognize individuals, chapters and state delegations that are outstanding examples of TSA success. For more information and award criteria, refer to the current *The Official Competitive Events Guides, High School, and Middle School*, which contains a description, deadlines, rules and entry forms. Check www.tsaweb.org for all recipients.

Achievement Program

The TSA Achievement Program is designed to motivate and recognize student members for extra effort in their technology education program. The Achievement Program is comprised of three levels of achievement: bronze, silver and gold. The bronze level is the first. After earning the bronze award, s/he is eligible for work toward silver and gold levels.

TSA Technology Honor Society

The TSA Technology Honor Society recognizes students for their efforts in academic studies, in leadership, and in services to their school and community.

Chapter Excellence

The Chapter Excellence Award recognizes chapters based on their scholastic and educational activities, as well as the chapter's success at all conferences. Fundraising and leadership activities are considered.

Advisor of the Year

The TSA Advisor of the Year Award gives TSA chapter members the opportunity to recognize the work of their chapter advisor. Advisor activities in the classroom and at local, state and national levels are reviewed.

Distinguished Service Award

The recipient of the Distinguished Service Award is selected on the basis of valued service to TSA. Both past and present contributions are considered (as verified by responsible parties).

Air Force Recruiting Salutes Award

The Air Force Recruiting Salutes Award is presented annually during the National TSA conference to an affiliated TSA chapter. Selection for this award is based on the overall value of civic obedience; the development of active civic leaders and citizens among the chapter members; and activities that perpetuate the American way of life.

ITEA Scholarship

The recipient of the ITEA Scholarship is a TSA member who plans on becoming a technology education teacher and meets other criteria. The recipient must be active in TSA for at least two years and serve as a TSA officer at any level for at least one year.

Who's Who Among American High School Students Scholarship

Applications for the scholarship are available at the National TSA Conference. Only rising senior TSA members, who are Who's Who applicants, are eligible to compete for the designated TSA scholarship.

Honorary Life Award

The recipient of the Honorary Life Award has supported TSA significantly for a minimum of five years and is a person who will remain active in TSA.

Distinguished Alumni Award

The recipients of this award are TSA alumni who have demonstrated commitment and service to TSA beyond graduation.

Distinguished Student Award

The recipient is selected on the basis of valued service to the community and to the Technology Student Association. Both past and present contributions are evaluated. Leadership skills and/or technical skills must be evident.

Outstanding Recognition Award

The recipient of the Outstanding Recognition Award is selected on the basis of valued service contributing to the growth of TSA. Both past and present contributions are evaluated.

William P. Elrod Memorial Scholarship

This \$500 scholarship fund was established in memory of Mr. Bill Elrod, a founding father of TSA, who passed away on April 3, 1990. The scholarship is awarded for outstanding service in technology to a graduating TSA student who is college or vo/tech school bound and is in good academic standing. Private tax-deductible donations are accepted for this fund.

300 + and 30+ Membership Circles

Chapter Affiliation Program (CAP) chapters with 300 or more members are part of our 300+ Circle. Individual Program chapters with 30 or more members are part of our 30+ Circle. Affiliations must be received by National TSA by May 1 each year. Membership

Circle participants are recognized in *School Scene*, the TSA website and the conference program.

Sustaining Chapters

Chapters that affiliate continuously with TSA for five or more years are considered a Sustaining Chapter. Affiliations must be received by National TSA by May 1 each year. Sustaining chapters are recognized in *School Scene* and the TSA website.

State Superlative Awards

Presented annually at the national conference, the State Superlative Awards recognize individual chapters and states that boast the largest membership numbers. These awards are given based on the membership affiliations processed by National TSA as of May 1 each year.

The State Superlative Awards are:

* Largest CAP Chapter, **Middle School** (the largest number of total members in a CAP chapter)

* Largest CAP Chapter, **High School** (the largest number of total members in a CAP chapter)

* Largest Individual Chapter, **Middle School** (the largest number of total members in an Individual chapter)

* Largest Individual Chapter, **High School** (the largest number of total members in an Individual chapter)

* State with the largest number of chapters, **Middle School** (CAP and Individual combined)

* State with the largest number of chapters, **High School** (CAP and Individual combined)

* Largest State, **Middle School** (the largest number of total members)

* Largest State, **High School** (the largest number of total members)

* Largest State, **Overall** (the state with the overall largest number of members, **Middle and High School** combined)

* Largest State, **Elementary** (the state with the most elementary members).

TSA Star Recognition

When a chapter helps a new TSA chapter (elementary, middle or high school) to affiliate, chapter members receive Star lapel pins and recognition in *School Scene*, on the TSA website and in the conference program. White Star Recognition forms are due to National TSA by mid-April each year. Criteria for the pin awards are:

White Star Recognition: 1 to 4 new TSA chapters

Blue Star Recognition: 5 to 9 new TSA chapters

Red Star Recognition: 10 or more new TSA chapters.

2002-2003 Chapter Membership Memorable Milestones

300+ Chapters

Alabama

Brewbaker Technology
Magnet HS
Floyd Middle Magnet
School

Colorado

Powell MS

Connecticut

Dodd MS
New Fairfield HS

Delaware

Caesar Rodney HS
Christiana High HS
Gauger-Cobbs MS
Glasgow HS

Florida

American HS
Bair MS
Barbara Goleman Senior HS
Bartow MS
Frostproof MS
Hiialeah MS
Hillsborough HS
Indian Ridge MS
Madeira Beach MS
McFatter Technical HS
Palm Bay HS
Plant City HS
Tomlin MS
W. R. Thomas MS

Georgia

Collins Hill HS
Franklin County MS
Hahira MS
Jonesboro HS
Lovejoy HS
Lowndes HS
Morrow HS
Norcross HS
Ridgeland HS
Riverdale HS
South Gwinnett HS
Toombs County MS

Iowa

Johnston MS
Perry Community MS

Kansas

Emporia HS

Missouri

Lafayette HS
Parkway South HS
Troy Buchanan HS
New Hampshire
McKelvie MS
Pennichuck Junior HS

New Jersey

Dickinson HS
High Point Regional HS
Howell HS
Newton HS

North Carolina

Bradley MS
Eastern Wayne MS
Northwest MS
Providence HS
Spaugh MS

Oklahoma

Blackwell MS
Byrd MS
Fort Gibson MS
Gilcrease Intermediate
School
Guthrie Junior HS
Hamilton MS
McAlester MS
Muskogee 7th & 8th Grade
Center
Vinita MS
Whittier MS
Woodward MS

Pennsylvania

Boyertown Junior High
West
Canon-McMillan HS
Cedar Crest HS
Conestoga Valley HS
Conestoga Valley MS
Lake Lehman HS
Lebanon HS
Mechanicsburg MS
Milford MS
Pequea Valley HS
State College Area HS
Strayer MS

South Carolina

Camden MS

Tennessee

Bearden HS
Bearden MS
Cedar Bluff MS
Cleveland MS
Dickson County HS
Fairview MS
Farragut MS
Gibbs HS
Halls HS
Karns HS
Karns MS
Lakeview School
Livingston MS
Page HS
Powell HS
Red Bank MS

Rickman Elementary

Tennessee

Robertsville MS
Smyrna MS
Vine Middle MS
Warren County MS
West MS
Wooddale HS
Wooddale MS

Texas

Conroe HS
Del Valle HS
Gladys Porter HS
Hamilton MS
James Madison HS
Klein HS
Memorial HS
North Garland HS
Ronald Reagan HS
Roosevelt HS

Utah

Alta HS
Bingham HS
Copper Hills HS
South Cache 8-9 Center
West Jordan HS

Virginia

Hickory HS
John Yeates MS
L. C. Bird HS
Maury HS
Nansemond River HS
Stewart MS
Western Branch HS
Woodrow Wilson HS

Sustaining Chapters

We have 684 Sustaining
Chapters for the 2002-2003
year. Please visit the
Membership page of
www.tsaweb.org to view each
chapter by state. Click on
Membership Milestones.

30+ Chapters

Alabama

Central Baldwin MS
Clay-Chalkville MS
Decatur HS
Madison Cnty Career
Academy
Mae Eanes MS
McAdory MS
Montevallo MS
Pell City HS
Tuscaloosa MS

30+ Chapters, cont'd on p. 6.

To TSA, These Chapters Are Our Stars:



TSA RED STAR CHAPTERS

Kentucky

Caverna High School
Caverna Middle School

TSA BLUE STAR CHAPTERS

Kentucky

Caverna High School
Caverna Middle School

TSA WHITE STAR CHAPTERS

Alabama

Brewbaker Technology Magnet
High School

Colorado

Littleton High School

Florida

Palm Bay High School
W. R. Thomas Middle School

Georgia

Morrow High School
Riverdale High School

Kentucky

Caverna High School
Caverna Middle School
North Hardin High School

Mississippi

South Jones High School

South Carolina

R. H. Fulmer Middle School

Tennessee

Oak Ridge High School
Robertsville Middle School

Virginia

Northside Middle School
Russell County Career
and Technology Center

30+ Chapters

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Colorado

Eaglecrest HS

Idaho

Clair E. Gale Junior HS

Kansas

Shawnee Mission NW HS

Kentucky

Campbellsville HS

Caverna HS

Conkwright MS

Lee County HS

Morgan County HS

Webster Co. Area Technology Center

Louisiana

Bolton HS

Mississippi

Amite County HS

Claiborne County Vocational Center

Clinton HS

Plantersville School

Senatobia MS

West Union HS

New Jersey

Warren Hills Regional HS

Pennsylvania

Southmoreland Senior HS

Tennessee

Bruceston MS

Houston County HS

Oak Ridge HS

Texas

Chanelview HS

Chapel Hill MS

Flower Mound HS

Hebron HS

Horn HS

Judson MS

Langham Creek HS

Lopez HS

Nikki Rowe HS

Virginia

Caroline HS

T. Benton Gayle MS

West Virginia

Clay County HS

Clay County MS

New Martinsville MS

America's Engineering Leadership In Jeopardy As Fewer, Less Prepared Students Plan Engineering Careers

Iowa City, IA—A declining pool of qualified engineering students may threaten America's position as a world leader in engineering, according to a new study by ACT.

"The future of engineering in the U.S. may be in jeopardy," said Richard J. Noeth, director of ACT's Office of Policy Research and a co-author of the report. "We don't have the numbers of prospective students, and many of those students aren't prepared. The science of engineering impacts many important aspects of our day-to-day lives, including our national security, healthcare, and the environment, so these findings should not be taken lightly."

Among the more than 1.1 million seniors in the class of 2002 who took the ACT Assessment college entrance and placement exam, fewer than 6 percent planned to study engineering in college. In

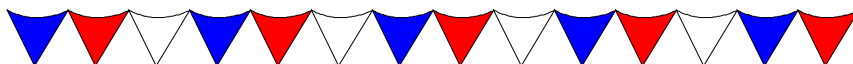


addition, these students are less certain of their major than those in the past.

Among potential engineering majors in the class of 2002, one out of 10 had taken no more than basic mathematics courses in high school, and just over half had taken calculus. In addition, the number of potential engineering majors in the top quarter of their high school graduating class has been on the decline, as has their average ACT composite score.

"Engineering is a good, high-paying occupation which is likely to be growing in the future," said Noeth. "It should be a very attractive and popular field of study for today's top high school

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Chapter News

Playhouse Ruffled At Habitat For Humanity

Connecticut's Windham TSA Advisor Jim Hutson says, "Our students have demonstrated exemplary work in all aspects of technology and leadership and have truly become leaders in our community." Windham TSA consists of Windham Middle School and Windham High School students.

To raise funds for the June 2003 conference, Advisor Phil Monty helped direct his Hall Memorial School TSA members to build a playhouse, which was donated to the Windham Chapter of Habitat for

Humanity. The house, which in the past five years usually fetches between \$600-\$800, was raffled to cover travel expenses. This year's playhouse marks one decade of student-built playhouses for this chapter.

Neil English, a TSA Chapter Advisor from Litchfield High School, is the Advisor of the Year from Connecticut TSA.

Your Chapter's News -- Wanted:

Please submit your chapter's news for the Fall *School Scene* to:
jlandsman@tsaweb.org

Golden Highlights from TSA's Silver Anniversary 2003 Conference in Orlando, Florida

Photos Provided by Imaging Technology Competition TSA Members



Maybe yes! Maybe no! Each conference day, TSA members check out competition results to see how they have done.



Racing the clock. Students scoop up items during this competition as advisors time progress.



TSA members put their heads together.



Building bridges, one step at a time. Students prepare their on-site projects for their competition in a timed, classroom setting.



Vrroom, Vroom, So where are the keys, this TSA member wonders?



Every sailboat needs a stiff wind, especially in a TSA competition.



These TSA members knew there are alligators in Florida, but can this one please join their TSA team?



The mission of the Technology Student Association is to prepare our membership for the challenges of a dynamic world by promoting technological literacy, leadership, and problem solving, resulting in personal growth and opportunities.

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Editor

Jill M. Landsman

National Officers

Amy Groner, President	TN
Kimberly Junegermann, Vice President	OK
Georgia Varlan, Secretary	TN
Kim Eubanks, Treasurer	OK
Lynsey Stuart, Reporter	TN
Brandon Walters, Sergeant-At-Arms	MS

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Careers in Engineering Stay Strong, Study Says

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students. Unfortunately, that doesn't appear to be the case."

Engineering encompasses a number of different potential careers, including aerospace engineering, architectural engineering, bio- and biomedical engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, mechanical engineering and nuclear engineering.

Females Untapped Source of Talent

"Females are an untapped source of talent to lead the high-tech economy in the future," said Noeth. "Far too few of them are planning to study engineering. We need to increase their interest in pursuing this type of career. They need encouragement early in their lives."



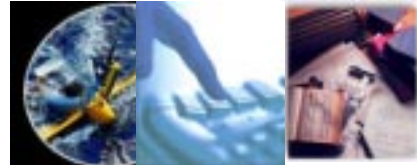
For Minorities, Gap Between Aspirations and Preparation

For racial/ethnic minority students planning an

engineering major, the study points to a gap between aspirations and preparation. Although many minority students were sure they wanted to enter an engineering program in college, an alarming number had not completed advanced coursework in high school, taking only basic math and science.

The complete ACT Policy Report, titled "Maintaining a Strong Engineering Workforce," can be accessed on ACT's website at its URL: <http://www.act.org/research/policy/index.html>.

ACT is a not-for-profit organization that serves millions of people in schools, colleges, professional associations, businesses, and government agencies with programs to help people achieve education and career goals.



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