Prince George High School

The Technology Student Association offers opportunities for students who are striving to be our future leaders. The 2010-2011 TSA chapter at Prince George High School is working hard to achieve its goals for the year. The 18 members, including seven officers are working together to raise money for future activities. Our current fundraiser, The Max Save Card, is a discount card that can be used at local stores in our community. Future fundraising plans include cookie and candy sales. Our chapter will also be involved in community service projects later this school year.

The officers include:
President: Kayla Hubert
Vice President: Joo Lee
Treasurer: Noelle Moore
Historian: Diana Owens
Reporter: Andrea Ricci
Secretary: Jessica Whittington
Sgt-at-Arms: Deonesha Williams

The sponsors are Mr. Daniel Scott and Mr. Terry Walker.
Richmond City students take part in Regional Fall Rally

Students from Albert Hill Middle School, Henderson Middle School and George Wythe High School participated at this year’s South Central Regional Fall Rally held on October 9, 2010 at the Science Museum of Virginia. The event focused on the benefits of TSA membership and building leadership skills.

20 New Virginia TSA Chapters

As of January 2011, Virginia TSA has 20 new chapter affiliated with National TSA. Virginia TSA would like to welcome the new Advisors and students.

The new chapters are: A.G. Wright Middle School, Binford Middle School, Briar Woods High School, Ellen Glasgow Middle School, Farmwell Station Middle School, Freedom Middle School, Glen Allen High School, Gunston Middle School, Lake Taylor Middle School, Lanier Middle School, Lucille Brown Middle School, Magna Vista High School, New Kent High School, North Stafford High School, Thompson Middle School, Tuscarora High School, Virginia Beach Middle School, Warwick High School & Yorktown Middle School.

BVU Sponsors Local Mentorship Program

The Southwestern Region TSA is pleased to announce the initiation of a mentorship opportunity for our Abingdon High School and EB Stanley Middle School TSA members sponsored by our local BVU (Bristol Virginia Utilities). Up to 12 students will be able to receive tutoring in CAD and technical drawing twice a week for an hour before the regular school day. The students are very appreciative of this training as these are classes not currently available to these students. BVU is heavily involved in the local community and promoting economic development efforts in the areas which they serve. We are very grateful to BVU for providing this mentoring program and hope that this will be the beginning of other public-private partnerships in the Virginia TSA.
Cruise into the Future with TSA

Almost like a rite of passage each fall brings a High School Homecoming. At Grassfield High School in Chesapeake our homecoming includes a spirit week, pep rally, football game, parade and a dance. This year the TSA chapter took on the task of participating in the annual parade, with the theme being “Grizzlies go Cruising”.

Two days after school opened a TSA meeting was held and the students were told about the homecoming parade. A sense of urgency had to be applied to the situation since the parade was on the evening of October first, a short four weeks away. After much discussion and lots of voting it was decided that we were going to build a cruise ship complete with anchors, antenna, propel ler, ship’s wheel, and smoke coming out of the smokestack.

Wednesday September 15 construction began. Ten students showed up and our goal was to get most if not all of the framing completed. With nail guns blazing and power drivers whirling the boat frame was completed in 90 minutes. A true sense of accomplishment was felt by all and the daunting task did not seem so daunting anymore. As the days ticked away with victory in our sights, technology in our minds and skill in our hands the USS Neversail started to really take shape. The last week in September required all hands on deck to bring this project to fruition unfortunately mother nature had a few things up her sleeve. It rained on Monday and Tuesday but being the ever vigilant TSA chapter we made a 17 foot banner, the smokestack, anchors, the pilot’s platform and stand for the ship’s wheel while it was raining. Mother Nature could not deter our determination for victory. Friday October first arrives with a mist in the air and winds blowing 10 – 20 mph. Some of the competition can be seen in the parking lot, we think we have them beat. The final bell for school rings and again the faithful construction crew scurries to the ship to add the final touches. All floats have to report to the bus ramp for staging by 4:45. As we tow the USS Neversail to it’s designated spot in the parade all eyes are on the competition. The Latin club has built a GIANT ark, the math club built an Egyptian landscape and ten other organizations had built a variety of things, yet the TSA cruise ship stood above them all.

Before the first kickoff occurred all parade participants traveled around the football track to show off their float. At halftime the parade participants made the loop around the track again but this time the winners were going to be announced. As the great USS Neversail approached the fifty yard line it was announced to the thousands of screaming fans that the TSA club was the winner of the 2010 Grassfield Homecoming float contest. The TSA Chapter at Grassfield High School has made tremendous strides in its short two and a half years of existence. We began with five members and now have 50 active members. We hosted the Tidewater regional fair last year and had the following place winners: 1st in Transportation Modeling, 1st in Flight Endurance, 3rd in Electronic Research and Experimentation and 3rd in Prepared Presentation. Ten students went on to compete at Technosphere and had the following results: 1st in Principles of Technology, 2nd in Structural Engineering, 2nd in Electronic Research and Experimentation, 3rd in Music Production, 3rd in Technical Sketching Applications, 4th in Prepared Presentation, 4th in CADD Arch. w/ animation, 4th in System Control Technology, 5th in Flight Endurance and 7th in Transportation Modeling. Ten students also went to Nationals in Baltimore. This year our sights are set on even greater successes and it has already begun with us winning the Homecoming Float contest. Look out Tidewater here come the Grizzlies.
Northern Region Fall Rally

Held at Oakton High School on October 23rd, the Northern Region Fall Rally was a great way to introduce new members to our association and excite all members for the upcoming competitive season. Members from across the region were able to collaborate leadership skills and strategies through innovative and fun activities run by Northern Region Council members throughout the morning. The Northern Region was then honored to be joined by Ricardo Cabrera, Chief Systems Engineer for the Navy for a discussion on how TSA competitions and activities relate to many positions in the United States Navy through students’ application of STEM principles (Science, Technology, Engineering, Math). TSA members gained a valuable perspective about the importance of a technology education and the value of applying skills learned in the classroom toward the development and safe use of technological processes. After the presentation, TSA members participated in a problem solving competition and designed T-shirts for Virginia TSA. The officers would like to extend our thanks to all the advisors, parents, and TSA members who made the event such a success. On behalf of the Northern Region Council I wish you the best of luck in preparing your competitions.

Respectfully Submitted,
Angela Roller
Northern Region President
Southwestern Region Fall Rally

The Southwestern Virginia Regional Fall Rally was held on Thursday, November 4th from 6-8 p.m. in the Abingdon High School auditorium in Abingdon, Virginia. The program began with an introduction of the regional officers and was followed by a formal opening ceremony. Tess McNerlin, the Southwestern Regional President, then gave a brief welcoming speech. She welcomed the Virginia State TSA President, Jason Dreyzehner, to the stage. He spoke on what TSA is and how to become involved. He also spoke about Relay for Life and its connection to TSA. Following Mr. Dreyzehner, Ms. Joyce Millsap, the Co-Chair of the Washington County Relay for Life, delivered a speech also regarding Relay for Life and its involvement with TSA. The 2009-2010 state and national finalists from the southwestern region were then recognized by Dr. Jana Dreyzehner. In conclusion to the presentations, Ms. McNerlin thanked all the guests and attendees and invited them to join the regional council in the hallway to view past events, enjoy refreshments, speak to veteran TSA members and officers, and participate in a “screen printing” fundraiser for Relay for Life presented by the Southwestern Virginia TSA. There were roughly 105 students, parents, school board members, teachers, and other individuals in attendance. Overall, the event was a great success.

Respectfully Submitted,
Tess McNerlin
Southwestern Region President

Tidewater Region Fall Rally

The 2010 Tidewater Fall Rally was a booming success. Out of all the schools in the region, Ocean Lakes High School had the most students attending. During the Fall Rally, we organized two breakout sessions: Flight Concepts and Photographic Technology. Regional Secretary, Daniel Kriparos and Regional Historian, Brett Fochtmann took charge of the Flight Concepts session, while Regional Reporter, Kat Krug and Regional Sergeant-at-Arms, Hannah Therrien handled Photographic Technology. Regional President, Sabrina Pardus supervised the sessions and made sure everything was done in a timely manner. We are eagerly anticipating to the Regional Spring Fair at Ocean Lakes High School on March 5, 2011.

Respectfully Submitted,
Kat Krug
Tidewater Region Reporter
Valley Region Fall Rally

On Saturday, October 30, 2010, James Madison University College of Integrated Science and Technology, and School of Engineering welcomed Valley TSA members for their annual Fall Rally. The regional officer team arrived at 7:45 am to prepare everything for the day and practice opening and closing ceremony. Everyone else began arriving around 9:00 am and the activities began soon after. Opening ceremony was performed, with all officers present. The Valley Region excitedly welcomed Dr. Eric Maslen, an employee in the ISAT building. Dr. Maslen gave a presentation about technology, its ongoing expansion, and how we, TSA members, can get more involved. A recess took place after the speech was given. To increase interest in TSA and enjoy new experiences, members were offered a variety of workshops to attend throughout the day. These included New High School Competitions, Problem Solving, an ISAT tour, Team Building/Leadership, High Tech Ice Cream, Flooding Manhattan, and First Lego League. Members had a great time participating in these workshops. The meeting then came back to order and two (2) videos were shown. Closing ceremony was performed and Madame President declared the meeting adjourned. A lunch of pizza and Little Debbie snacks was provided. To end the day, students were invited to attend the JMU vs. Massachusetts game.

Essay Contests

The DuPont Challenge Science Essay Competition
A call for middle school and high school student essays that deal clearly with some aspect of science. First, second and third place winners in each division—along with a parent and a teacher—win an expense paid awards trip to Walt Disney World Resort and Kennedy Space Center. Deadline for entries is January 31, 2011. For complete details, visit thechallenge.dupont.com

2011 EngineerGirl! Essay Contest
National Academy of Engineering announces the 2011 EngineerGirl! Essay Contest for students (boys and girls) in grades 3-12. There are cash prizes for the top essays and students’ essays are posted on the EngineerGirl! web site. Previous winners have been invited to participate in student conferences and given recognition in local press. The topic this year is “Engineering & Human Service – Relief from a Disaster” and focuses on the importance of engineering in responding to disasters. The deadline for the contest is March 1, 2011. Guidelines can be found at the web site www.engineergirl.org

The Association for Career and Technical Education Cliff Weiss Essay Contest
The Contest is in memory of former ACTE Senior Director of Communications Cliff Weiss (1951-2004). This year’s topic for secondary and postsecondary students is “What does this year’s theme, Learning Today, Earning Tomorrow, mean to you?” The contest is open to secondary and postsecondary students taking at least one course in CTE. For complete rules on the contest, please visit ACTE’s Cliff Weiss Essay Contest
Regional Fall Rally Pictures
Regional and State Officers Wanted

Ever thought of running for a Regional Office or State Office position. Well now is your chance. Become an intricate part of Virginia TSA. Travel around the state while meeting new members. Become a leader.

Regional Officer and State Officer applications can be found at: www.virginiatsa.org, under Resources, Forms & Applications.

Regional officer candidate applications must be received by the Virginia TSA Office on February 11, 2011. Faxes are not acceptable. Applications will be screened and candidates will be notified by April 8, 2011.

State officer candidate applications must be received by the Virginia TSA Office on March 25, 2011. Faxes are not acceptable. Applications will be screened and candidates will be notified by April 8, 2011.

Regional Spring Fair Dates

Don’t forget to have your advisor register you for the Regional Fair. This is your chance to show case your skills in your chosen contest. The registration portal is now open!!

Blue Ridge Region Pulaski Middle School March 5, 2011
Northern Region W.T. Woodson High School March 5, 2011
South Central Region Deep Run High School March 5, 2011
Southwestern Region E.B. Stanley Middle School March 5, 2011
Tidewater Region Ocean Lakes High School March 5, 2011
Valley Region Wilson Middle School March 5, 2011

Middle School  High School
Career Prep  Career Comparison
Challenging Technology Issues  CADD– 2D, Architectural
Communication Challenge  CADD-3D, Engineering
Digital Photography  Debating Technological Issues*
Dragster  Desktop Publishing
Electronic Gaming*  Digital Video Production
Flight  Dragster Design
Go Green Manufacturing*  Essays on Technology
Graphic Design  Extemporaneous Speech
Lights, Camera, Action*  Flight Endurance
Multimedia Presentation  Manufacturing Prototype
Prepared Speech  Music Production*
System Control Technology  Photographic Technology
Transportation Challenge  Prepared Presentation
TSA Cup: Marine Design  Promotional Graphics
Write Now! Technical Writing  System Control Technology
Video Game Design*

* denotes new contests offered at Regional Fair

“One machine can do the work of fifty ordinary men. No machine can do the work of one extraordinary man.”

Elbert Hubbard
State T-shirt Design request

Represent the Virginia TSA State Delegation and design a T-shirt and/or State Pin for Technosphere 2011!

The theme for this year is… “Snapshot of Innovation”
The requirements of the T-shirt design are the following: • NO more than 2 color design • Can be printed on the front and back of T-shirt • Need to specify on the entry, what color shirt to print design on. * Please include chapter name, your name, your email address & advisor name on entry. ** Please submit your entries (hand or electronically drawn) to your Regional President at the Fall Rally or to the Virginia TSA email address (tsa@vasta.org) no later than February 10, 2011.

State Lapel Pin Design Request

The theme for this year is… “Snapshot of Innovation”
The requirements of the Pin Design are the following:
• Submitted in a 1”x1” color design (.png format)
• Design must showcase our state as well as TSA and must include “2011” or “11”. Does not have to say Technosphere.
• Blank space (alpha value of 0) will not be part of the pin. If the pin design is not four sided, then define the physical borders by making all extra into blank space.
* Please include chapter name, your name, your email address & advisor name on entry
** Please submit your entries (hand or electronically drawn) to the Virginia TSA email address (tsa@vasta.org) no later than February 10, 2011.
One of the submission may be chosen for the Pin design for the 2011 State Conference Technosphere and the chapter will be awarded free pins and recognized at the Technosphere awards program.
State Community Service Project

The State Community Service Project Committee is a committee created to assist each chapter and region of Virginia TSA in beginning or bettering its involvement in community service in its area. The committee also creates and carries out a community service project statewide.

This year, Virginia TSA has chosen to partner with Relay for Life (RFL) for its state and local community service projects. In partnering, each region/chapter is encouraged to register members within their chapter/region who are interested in representing Virginia TSA in Relay for Life. They are also encouraged to contact a Relay for Life representative in their area to obtain any further information regarding involvement in their specific chapter/region. They then begin preparing for the Relay for Life event(s) in their area. Also, as a part of being involved in RFL events, it is suggested that each chapter/region hold fundraisers and serve in any capacity as directed by their local RFL representative.

Please visit varelaleyforlife.org for more information.

Respectfully Submitted,
Tess McNerlin
State Community Service Committee Chair

F.A.S.T (Fueling Achievement in Science & Technology)

The STEM partnership between Ten80 Education and NASCAR will be announced prior to the NASCAR Racing season opener (Feb. 2011.)

We invite you to work with our non-profit organization to distribute an invitation to schools in your state (grades 6-12) to join the FastTrack Racing Challenges STEM league competition – Summer Camps and classroom modules are also an option with this program.

The cost is a ONE time fee for reusable materials and all curriculum of $1,948. This package allows a school to field a two car team for a year. 5 – 15 students can work with one vehicle. Annual renewal fee for SolidWorks Software upgrades and Upgraded curriculum is approximately $500.00. Curriculum is included with this base kit and additional teams can be added with a single team reusable materials packages of $589. Options include a 12 car package (six small and six large vehicles for classroom teaching).

The deluxe package is under $6,000 and includes classroom projects and supplemental curriculum for science, math (middle grades through calculus, pre-engineering and CTE classrooms). Pilots have involved over 100 schools in 22 states over the past three years.

www.Ten80Education.com
www.FastTrackRC.com
Beverly Simmons
704-756-9348 mobile

“Technology is so much fun but we can drown in our technology. The fog of information can drive out knowledge”

Daniel J. Boorstin
Applications will be available each January for students interested in running for a National TSA Office. Those interested should contact Mary Jo Patterson, Leadership Services Manager at mjpaterson@tsaweb.org. Below are the national TSA officer candidate qualifications, the application procedure, and candidate information.

National TSA Officer Candidate Qualifications

1. The candidate must be a TSA member.
2. No more than three TSA members in good standing from the same state delegation may compete for a national office in the same year.
3. Only current TSA members (active) in good standing are eligible to run for or hold a national office.
4. Candidates must be holding, or have held, an elected chartered state delegation office for at least one year.
5. A student cannot be elected to a national office during his or her senior year. He or she must have at least one year of school remaining at the time he or she runs for national office.
6. A TSA member must have completed the eighth grade to be qualified for a national TSA office.
7. A candidate may seek only one national office per year.
8. A candidate should have a thorough knowledge of parliamentary procedures and the TSA bylaws.
9. A candidate must be a member of TSA for at least one year before seeking a national office.
10. All candidates should have the ability to express opinions, make decisions, and be neat and business-like in appearance.
11. All candidates should read carefully the section in the TSA bylaws about national officer qualifications and duties, and, specifically, the responsibilities of the office they seek.
12. No individual may serve more than one term in the same national office.
13. Candidates must attend all national officer candidate meetings at the national TSA conference. Failure to attend all candidate meetings may result in removal.
14. Any candidate elected as a national officer at the national conference may not hold a state or local TSA office concurrently with his or her term as a national officer.
15. If elected, a national TSA officer will miss approximately five school days during the school year to fulfill his or her duties and must be able to travel alone and independently to all required events.
16. The elected TSA president will be required to attend the TSA, Inc. Board of Directors meetings in the fall of 2011, March 2012, and June 2012. No exceptions.
17. If a school district, or the officer’s parents, requires an adult travel companion, it will be at their own expense. The companion will not participate in the officer program.
18. The qualifications to be a candidate for national TSA office restrict persons not legally residing in the United States of America.
Plan now to let your TSA chapter advisor know how much you appreciate their effort and time in making your TSA experience the best! During Advisor Appreciation Week, try out one or more of the following ideas:

1) Bring homemade cookies or other snacks each day of the week for your advisor. Chapter members can choose a different day of the week to bake.
2) During morning or afternoon school announcements express your chapter’s appreciation for your TSA advisor.
3) Purchase, or design, a large “thank you” card and have each member write a note and sign their name. Display the card in your advisor’s classroom/lab.
4) Collect a small donation from chapter members and purchase a gift card for your advisor to his/her favorite restaurant.
5) Compile a book of “thank you” letters from current and former students and give to your advisor during your TSA meeting.
6) Have each chapter member write down their five favorite things about your advisor, compile the list and present it to your advisor along with a small gift.
7) Create a “thank you” banner to be hung in the hall or classroom from March 1st to 5th.
8) Make an “advisor appreciation video”. Show the video at your chapter meeting or maybe post on your school’s web site.
9) Purchase a TSA logo shirt or other item from the TSA store and present it to your advisor.
10) Make an “advisor appreciation” certificate with official signatures of the chapter officers to present to your advisor at your next chapter or school board meeting.

Technosphere 2011—March 7-11

Come and join in on the excitement! Technosphere 2011 returns to Northern Virginia.

All aspects of the 2011 Technosphere will be held at the Westfields Marriott Washington Dulles, with the exception of contests that require the use of a gymnasium, which will be held at Westfield High school in Fairfax County Public Schools (just a short drive from the Conference hotel).

The Registration Deadline is March 25, 2011. Online Registration can be completed on the Advisor's Login Page, located under Resources.