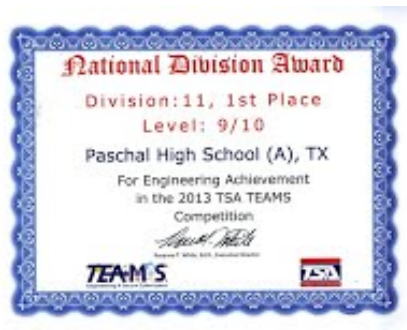


## 2012-2013 Science Club Accomplishments

### Paschal Wins National Championship!



The 9/10th grade Paschal TSA TEAMS competition won **first place in the Nation** in Division 11 (the division that includes all schools with senior classes over 475).

The students competed on February 14th, 2013 at UT Dallas. TEAMS is an annual competition that gives students an opportunity to discover engineering and how knowledge in engineering can help make a difference in the world. Students work collaboratively to solve real-world engineering challenges, applying their math and science skills in practical, creative ways.

Congrats to these amazing students!



The underclassmen team from left to right:  
Emily Yurk, Mario Garcia, Christine Vonder Haar,  
Paul Ryu, Wyatt Reeves, Matthew Stone,  
Edward Nguyen, Junsung Lee.

### **Paschal Science Returns from the STATE UIL Meet**

The UIL Science team returned from Austin Wednesday night with two State Championships. The team ended up finishing third in the State, and Dominic Yurk is the Biology and Physics State Champion for 2013. This is the second year in a row that Paschal has won the Biology State Championship (Charles Jang won in 2012). Congrats to these amazing students!



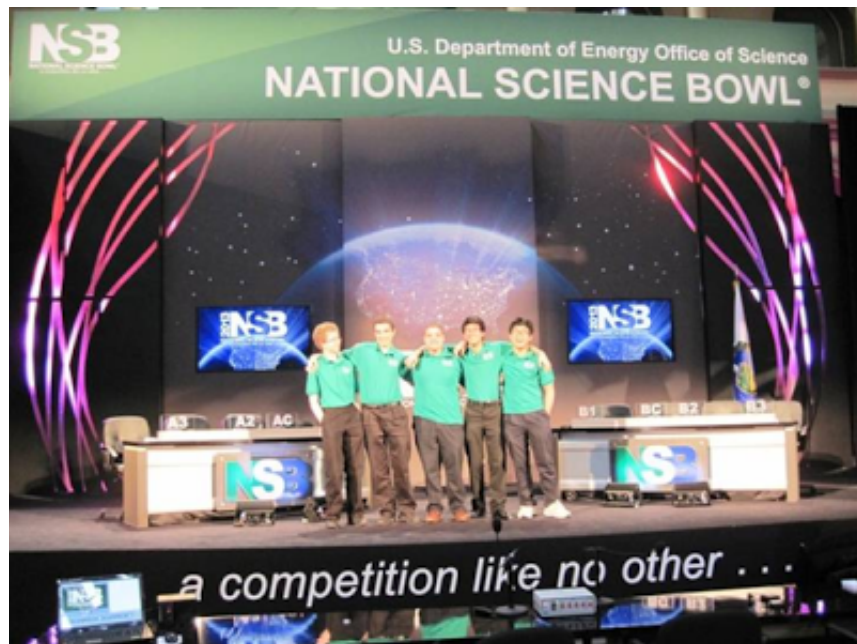
*The Science Team posing in a live oak on the UT Campus.  
Top (Andrew Brinker - Coach) From the left Edward Nguyen,  
Wyatt Reeves, Dominic Yurk and Erik Nguyen.*

## PHS SCIENCE BOWL IN WASHINGTON DC

The Paschal Science Bowl team returned from a fantastic trip to Washington DC Monday night. The team won 1<sup>st</sup> place in the Division Team Challenge, and will receive a \$500 dollar check from the Department of Energy for the science club. In the DTC competition Paschal bested Mira Loma High School (who ended up winning the entire science bowl). During the National Science Bowl competition on Sunday the team had an impressive five wins and two losses, including a major win over the perennial powerhouse Thomas Jefferson High School for Science and Technology.

This was the best performance by a Paschal Science Bowl team at Nationals to date.

Congrats to Dominic Yurk, Erik Nguyen, Edward Nguyen, Abraham Sharaf, Wyatt Reeves and Coach Andrew Brinker.



The DTC champions! Unfortunately they didn't have any giant checks for us.



In front of the capital.

### **Paschal Science Team Wins UIL Region**

The Paschal Science Team - ***Edward Nguyen, Wyatt Reeves, Erik Nguyen, Dominic Yurk*** - was in Lubbock this past weekend competing in the UIL Academic Regional meet. The team won first place with a score of 848 (second highest team score in the STATE). In addition to winning team we had the following individual accomplishments.



1st place in Biology - Wyatt Reeves  
1st place in Chemistry - Erik Nguyen & Dominic Yurk tied  
1st place in Physics - Dominic Yurk

1st place overall - Dominic Yurk  
2nd place overall - Erik Nguyen  
6th place overall - Wyatt Reeves

The team will now move on to the STATE Academic Meet in Austin May 21 and 22nd in hopes of bringing home a STATE title.

### District Champions!

The Paschal UIL Science team won the District meet on March 22nd and will now be advancing to the regional competition in Lubbock.



Team members (from left) John Heo, Wyatt Reeves, Dominic Yurk, Abraham Sharaf, Erk Nguyen, Edward Nguyen.

### Spring Break in San Antonio

The Texas Math and Science Coaches Association (TMSCA) held the STATE competition on March 16th. Eighteen members of the science and math teams drove down on Friday to San Antonio in order to compete Saturday.



To the left: Students Enjoying themselves on the Riverwalk.

The Science Team placed second overall (approximately 100 high schools were in attendance). We also had several individual

accomplishments:

- State Champion in Biology - Dominic Yurk
- \* Abraham Sharaf also scored a perfect on the Biology section but lost the tie breaker.
- State Champion in Physics - Dominic Yurk (third consecutive year!)
- State Champion overall - Dominic Yurk
- 2nd Individual in 10th grade science - Edward Nguyen
- 2nd individual in 9th grade science - Wyatt Reeves
- 6th individual in 9th grade science - Paul Ryu



Students at the UTSA campus with their trophies.

**Paschal wins North Texas Science Bowl** [\(View an NBC 5 clip\)](#)  
[\(read the Star Telegram Article\)](#)

Two teams from Paschal High School spent the first day of spring break at the University of Texas at Arlington competing in the North Texas Science Bowl. Team A won first place and the US Department of Energy is going to cover all travel, food, and rooming costs for the team to compete in Washington DC at the National Science Bowl April 25-29th. Team B won the engineering competition that was held for the teams that didn't make the final four.



Team A receiving their first place awards - from the left is Coach/Teacher Andrew Brinker, Abraham Sharaf, Erik Nguyen, Wyatt Reeves, Edward Nguyen and Dominic Yurk.



Baxter Benjamin Brinker (coaches son and Team Mascot) was in attendance to support the team!



Team B competing in the engineering competition. From the left Amritha Gourisankar, John Heo, Junesung Lee, Matthew Stone.

**Congrats to the following five students who are semifinalists in the Biology Olympiad! (read the Star Telegram coverage)**

Zach Brynell, Erik Nguyen, John Perry, Abraham Sharaf, and Dominic Yurk



As the premiere biology competition for high school students in the United States, the USA Biology Olympiad (USABO) enriches the life sciences education of nearly 10,000 talented students annually. It provides the motivation, curricular resources, and skills training to take them beyond their classroom experience to the level of international competitiveness.

After two rounds of challenging exams, twenty Finalists are invited to a residential training program where they learn advanced biological concepts and exacting lab skills at Purdue University. Ultimately, four students earn the right to represent the USA at the International Biology Olympiad (IBO), a worldwide competition involving student teams from roughly sixty countries. This year the IBO is in Bern, Switzerland!

## Two Students Advance in the Physics Olympiad

Congratulations to Dominic Yurk and Erik Nguyen for advancing to the semi-finals of the Physics Olympiad.



American Association of Physics Teachers (AAPT) is responsible for recruiting, selecting and training teams each year to compete in the International Physics Olympiad Competition. This selection process begins in early January when high schools register their students to participate in the  $F=ma$  exam. Approximately 400 top scorers on this first test advance to the semi-final round of competition (congrats Dominic and Erik!).

The semi-final exam is used as the basis for selection of the 20 members of the U.S. Physics Team. These students, from schools all over the United States, travel to the University of Maryland-College Park at the end of May for the annual U.S. Physics Team Training Camp. There they engage in ten days of intense studying, testing and problem solving.

At the end of that training camp, five students will be selected for the "Traveling Team." The Traveling Team will return for three additional days of intense laboratory work before they are ready for the International event in Copenhagen, Denmark.

## The Science of Valentines Day

Sixteen members of the Paschal Science Club traveled to UT Dallas on Valentines Day for the TEAMS Competitions.





(all students)

TEAMS is an annual competition that gives students an opportunity to discover engineering and how knowledge in engineering can help make a difference in the world. Students work collaboratively to solve real-world engineering challenges, applying their math and science skills in practical, creative ways.

Both the upperclassmen and underclassmen teams placed second in their respective divisions. The places were decided by the multiple choice scores - the State Rankings will include the essay portion of the contest and those results should be out in about a month.



The underclassmen team from left to right: Emily Yurk, Mario Garcia, Christine Vonder Haar, Paul Ryu, Wyatt Reeves, Matthew Stone, Edward Nguyen, Junsung Lee.



The upperclassmen team from left to right: Dominic Yurk, Abraham Sharaf, Erik Nguyen, Peter Vo, Daniel Bloom, Jacob Hulen, Amritha Gourisankar, Willis Harvey.

### Paschal Wins Huge Science Competition

On February 2nd more than 20 high schools from as far away as Lubbock participated in the Legacy High School UIL B invitational. Approximately 270 students (see photo) competed in the science competition. Paschal had the winning upperclassmen team by one question!



The team members include Dominic Yurk, Erik Nguyen, and John Heo. The underclassmen team won in very impressive fashion with a score of 764 (the second place team had a score of 294). Team members included Wyatt Reeves, Edward Nguyen and Paul Ryu.

More than 20 Paschal Students competed in the science competition with several students earning personal bests. Congrats to all of these dedicated science enthusiasts.

### Science Team competes at TCC

Seventeen high schools from North Texas were at Tarrant County College on 12 January for the UILA release. More than one hundred students competed in Science. Paschal High School had a very impressive performance with a team score of 856 (more than 300 points above the second place team).

In addition to winning the team competition Paschal students made up ten out of the top 13 scores:

- 1st Dominic Yurk
- 2nd Wyatt Reeves
- 3rd John Heo
- 4th Abraham Sharaf
- 6th Matthew Stone
- 7th Paul Ryu
- 9th Amy Nguyen
- 11th Junsung Lee
- 12th Jacob Hulen
- 13th Emily Yurk



### **Students compete in Mansfield Meet of the Minds**

Fifteen students ventured to Mansfield this past weekend (November 10th) to compete in an academic invitational. The meet had several powerhouse science teams including the Dallas Science and Engineering Magnet, Martin High School and Highland Park to name a few. Although Paschal didn't come away with the 11/12th grade team victory this week, we swept all other categories.

### **9/10th grade division Results:**

- First place team (Wyatt Reeves, Paul Ryu, Edward Nguyen, Matthew Stone)
- First place individual (Wyatt Reeves)
- First place Biology, Chemistry and Physics (Wyatt Reeves)



### **11/12th grade division Results:**

- First place individual (Dominic Yurk)
- First place Chemistry and Physics (Dominic Yurk)
- First place Biology (Peter Vo)

## The Science Team Travels to East Texas

Part of the Paschal Science Team traveled to Mt. Pleasant High School this weekend (Oct 20) to compete in the Texas Math and Science Coaches Association (TMSCA) Test #1.

The competition was organized by grade level and below are the results of the Paschal Students:



### **1st Place Science Team**

- 1st Place in the 9th grade division (Emily Yurk)
- 3rd Place in the 10th grade division (Mario Garcia)
- 1st Place in the 11th grade division (Jacob Hulen)
- 3rd Place in the 12th grade division (Amy Nguyen)
- 1st Place in the 12th grade division and overall (Dominic Yurk)

Congratulations to these outstanding Paschal Panthers!