

## 2011-2012 Science Club Accomplishments

### **The Science Team has impressive showing at STATE.**

The Science team just returned from the State UIL Academic Meet. The team performed extremely well and brought home several medals. The team finished second in the State Overall and had the second highest individual score (Dominic Yurk). Charles Jang also won the State Championship in Biology



The team receiving their 2nd place team medals. *Alex Hulen, Dominic Yurk, Charles Jang, William Lyles, Andrew Brinker (Coach)*



*Charles Jang* as he is presented with the gold medal for winning STATE in Biology!

### **Paschal Wins State Championship.**

Paschal placed first in the State of Texas in the TEAMS competition!

TEAMS or **T**ests of **E**ngineering **A**ptitude, **M**athematics and **S**cience is an annual high school competition that challenges students to work collaboratively as they apply their math and science knowledge in practical, creative ways to solve real everyday engineering problems.

National rankings will be available next.

Team members are: John Perry, William Lyles, Erik Nguyen, Luke Willson, Dominic Yurk, Matthew Roberts, Willis Harvey and Amritha Gourisankar.



## **Paschal High School Student is an Olympian!**

Dominic Yurk was recently chosen as one of only 20 students invited to Purdue University for a residential training program this summer. The USA Biology Olympiad began in February with over 10,000 students taking the first round of exams, and only the top 10 percent qualifying to participate in the second round of testing.

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 that competition will be in Singapore! [USABO website](#)

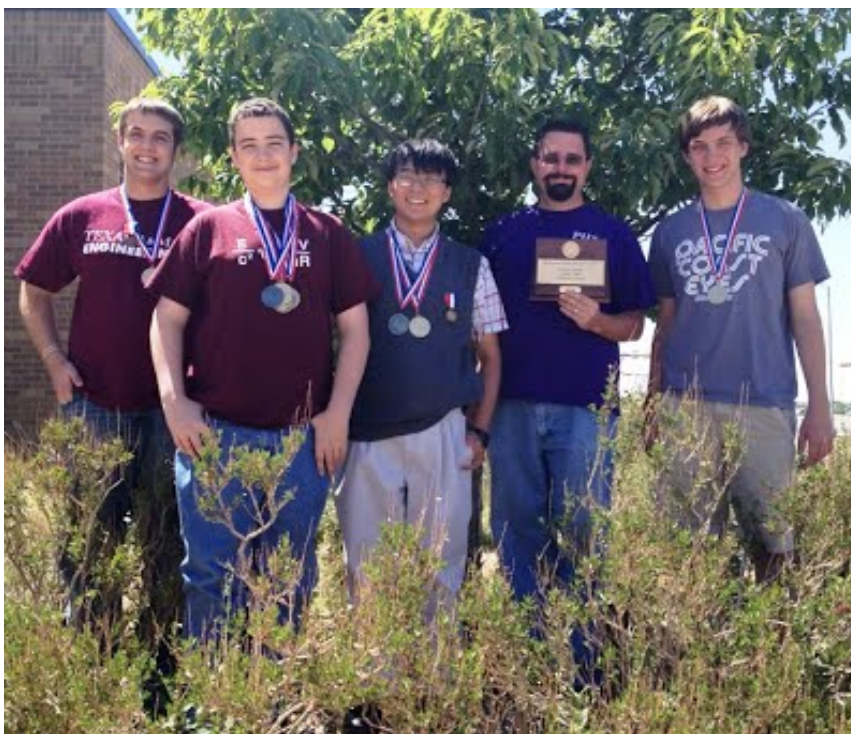
Dominic will be the third Science Olympian to come out of Fort Worth ISD. The first two students (Mikael Thompson in the late 80's and Amit Patel in the mid 90's) advanced in the Physics Olympiad.

Dominic has advanced past the first round of the Biology, Chemistry, and Physics Olympiad both his sophomore year and his junior year. Dominic plans to study Physics at Cal Tech or MIT.



**Paschal Science Team Wins Region** The Science Team competed at the Regional UIL Academic Meet at Texas Tech on April 21st. Our team ended up winning first place and individually we had the highest overall score (Dominic Yurk - 336), had 1st and 2nd in Biology (Dominic Yurk - 114 and Charles Jang 104), and won Chemistry with a perfect Score (Dominic Yurk - 120). Congratulations to these outstanding academic panthers.

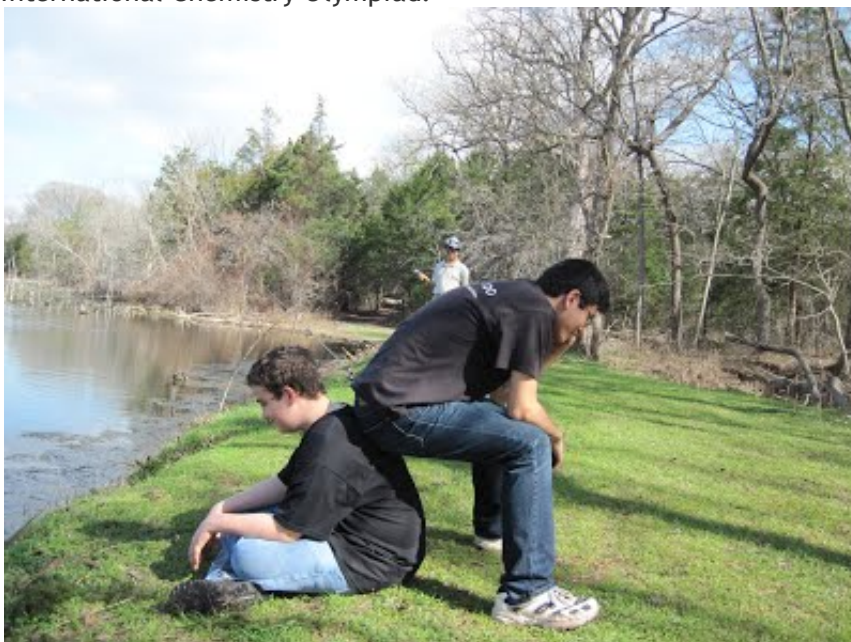




The Team and Coach posing after winning region. Alex Hulen, Dominic Yurk, Charles Jang, Mr. Brinker and William Lyles.

### **Two Paschal Students Advance In the Chemistry Olympiad**

The U.S. National Chemistry Olympiad and the International Chemistry Olympiad are multi-tiered competitions that bring together the world's most talented high school students to test their knowledge and skills in chemistry. Nations around the world conduct examinations to – nominate the most high-performing students for the International Chemistry Olympiad.



We had two Students advance to the National Competition. Congrats to Dominic Yurk and Erik Nguyen!

### **Paschal's AP Biology Class produces TWO semifinalists in the Biology Olympiad!**

As the premiere biology competition for high school students in the United States, the USA Biology Olympiad 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 students teams from roughly sixty countries.



This year the competition will be in Singapore! The semifinalists from Paschal are: Dominic Yurk and Alex Hulen

#### **Paschal Science has impressive performance at TMSCA STATE**

Over spring break 18 Paschal Academic Warriors traveled to San Antonio for the Texas Math and Science Coaches Association STATE MEET! 90 High Schools from across Texas were in attendance. There were 29 teams competing in the 5A division with Paschal.

#### **TWO individuals win State Championships:**

Dominic Yurk - State Champ overall in Physics  
Alex Hulen - State Champ - 12th grade Science

#### **Other significant accomplishments include:**

- \*2nd place Science Team (first place Dulles scored a 1060, second Paschal with a 1030, third Reagan High with a 716)
- \*2nd individual for 9th grade Science - Edward Nguyen
- \*1st place tie for Biology - Alex Hulen and Charles Jang and Dulles Student (unfortunately Paschal lost the tie break)
- \*2nd place individual 12th grade Science - Charles Jang
- \*3rd place TOP GUN - Dominic Yurk
- \*5th place TOP GUN - Matthew Roberts
- \*2nd place overall Science - Dominic Yurk
- \*6th place 11th grade science - Erik Nguyen



***Photo: Students posing with trophies and medals at UT San Antonio.***

Please congratulate these students when you see them.

Proud Coaches -  
Dr. Stewart  
Ms. Denton  
Mr. Brinker

### **Dominic Yurk Advances to Semi-Finals of Physics Olympiad!**

Each year, AAPT and the American Institute of Physics (AIP) sponsor a competition for high school students to represent the United States at the [International Physics Olympiad Competition](#). The mission of the U.S. Physics Team Program is to promote and demonstrate academic excellence through preparation for and participation in the International Physics Olympiad.

This is the second year Dominic has made it to the semi-finals!





Thanks to [Linda Antinone](#) , [Dr. Stewart](#) and Dr. Reidl (Dominic's amazing Physics teachers!)

#### Paschal Science Team wins Prestigious Title

The science team traveled to UT Dallas on Wednesday to compete in the premier engineering competition in the United States. TEAMS (Tests of Engineering Aptitude, Mathematics and Science) is an annual high school competition that challenges students to work collaboratively as they apply their math and science knowledge in practical, creative ways to solve real everyday engineering problems.

27 teams competed in this competition. The photo below shows approximately 1/3 of the competition room.



Both private and public schools were in attendance including schools from as far away as San Antonio and Austin. All of the competing schools are science powerhouses - including St. Marks, Texas Academy of Math and Science, Plano and Cistercian to name

a few.

The Paschal 11/12<sup>th</sup> grade Team A won the entire competition with the highest overall score. Over the next few weeks the essays will be graded and the Paschal Team will then be ranked in the State and Nationally.

The photo below is the winning team accepting the 1<sup>st</sup> place trophy.

From left to right. John Perry, William Lyles, Erik Nguyen, Luke Willson, Dominic Yurk, Matthew Roberts, Willis Harvey, Amritha Gourisankar.



The photo below is of all 24 Paschal Students that competed



Thanks to baseball coaches Rick Babcock and Stephen Smith for their support of the Science Team and help with traveling logistics.

This weekend a small faction of Science Club members competed in the Regional Science Bowl at Texas A&M.

On the way down we managed to get in a little bit of fishing, although the best catch



was a large stick.



On Saturday we competed in the 32 team Science Bowl tournament. The Paschal Team won 5 straight games before losing to Clements and Texas A&M Consolidated High Schools.

Here we are enjoying ourselves during the competition. Thanks to Charles for making the fantastic Duct Tape hats, which no doubt intimidated our competition.



From left - Dominic Yurk, William Lyles, Matthew Roberts, Erik Nguyen, Charles Jang, Andrew Brinker



### **Paschal Science Wins the Winter Classic**

This past weekend the Science Team ventured to southeast Arlington to compete in the Timberview High School academic meet. The varsity team won an important victory against some of the toughest competition in the State of Texas.

The winning team included Dominic Yurk, Charles Jang and Alex Hulen.

Congratulations to the following students for setting new personal bests in science competition!

Matthew Roberts

Luke Willson

Junsung Lee

Sarkia Sabinis

Abraham Sharaf

Sarah Williams

### **Science wins Top of Texas Academic Tournament**



**9/10 grade Division  
1st Team**

Edward Nguyen, John Heo and Peter Vo

**Overall Individual Results**

1st Edward Nguyen

3rd John Heo

6th Peter Vo

**Biology**

3rd Peter Vo

**Chemistry**

1st Edward Nguyen

3rd John Heo

**Physics**

1st Edward Nguyen

**11/12th Science**

**1st Team**

Erik Nguyen, Dominic Yurk, William Lyles

**Overall Individual Results**

1st Erik Nguyen

2nd Dominic Yuk

3rd William Lyles

4th Charles Jang

5th Alex Hulen

**Biology**

1st Dominic Yurk

2nd William Lyles

3rd Alex Hulen

4th Charles Jang

5th Avinash Murugan

6th Nolan Guiterrez

**Chemistry**

1st Erik Nguyen

2nd Dominic Yurk

3rd William Lyles

4th Chalres Jang

5th Alex Hulen

**Physics**

1st Erik Nguyen

2nd Dominic Yurk

3rd Charles Jang

4th William Lyles

6th Physics Alex Hulen

**Science Bird Brains**

The Paschal Science Team competed at Birdville high school Saturday November 5th. We had the first place advanced team (Dominic Yurk, Charles Jang and Erik Nguyen). Dominic had the best individual, chemistry and physics scores (*a perfect PHYSICS SCORE!*). Charles Jang won first place in Biology. William Lyles finished in 4th place overall (*only 1 question behind 3rd place*). Alex Hulen placed 6th overall.

In the novice category (*9th/10th grade*). Jacob Hulen placed 3rd overall and Edward Nguyen won first place in Physics.

Many other students had personal bests and impressive gains.





Science competitors from left to right: Charles Jang, Edward Nguyen, Ryan Fabela, Amritha Gourisankar, Andrew Nguyen, Nicole Moreno, Josh Oh, Amy Kruzick, Edward Nguyen, Alex Hulen, Dominic Yurk, William Lyles, Amy Nguyen, Matthew Stone, JunSung Lee, Kristina Beuche, Willis Harvey, Jacob hulen (*competitors not pictured - Emily Meigs, Sarah Williams*)