



Calendar

Saturday Academy I

September 19, 2009
 October 17, 2009
 November 21, 2009
 December 5, 2009

OPT-ED Alliance Day

October 2, 2009

Parent Academy High School Leadership

October 3, 2009

NCCTM PERSIST

October 30, 2009

NCSTA PERSIST

November 19-20, 2009

Saturday Academy II

January 16, 2010
 February 20, 2010
 March 20, 2010
 April 17, 2010

UNC PCP Science Decathlon

February 20, 2010

East Coast Science Decathlon

Atlanta, GA
 March 27, 2010

NC MSEN State Day

UNC Chapel Hill
 April 24, 2010

Awards Day

May 15, 2010

National Science Decathlon

TBA

Summer Academy

TBA



UNC Chapel Hill NC-MSEN Pre-College Program (PCP) NSD Team



Team #36 - 2nd Place Overall HS Winner



Quentajia Small & Jalecia Sherill testing tower

National Science Decathlon



Students from Durham, Chatham and Orange Counties traveled to California to compete in the National Science Decathlon on May 30, 2009, hosted by Grossmont College, El Cajon, CA. The PCP took three middle school teams and two high school teams. The middle school team members were Team 1 (Bailey Blankenship, Habekkuk Curry, RJ Jackson, Jada Lynch, Jayakrishna Pokuri, Sam Wade,); Team 7 (Atreyo Best, Lamonte Brunson, Joel Evans, Rian Honore, and Bailey Monsees) and Team 13 (Calvin Affleck, Wynton Davis, Gregory Lettley, Alan Lui, and Tyler Rycek). The high school participants were – Team 25 (Hannah Allison, Adam Belcher, Conrad Kempfski, Jalecia Sherrill, Quentajia Small) and Team 36 (Jenifer Brown, Janelle Ingram, Elliott Rodgers, Alexandria Ward, Lauren Womble.) ROBOTS students are highlighted in yellow and the PERSIST students are highlighted in green.

NSD Winners	Event Recognition
Team 36 – Jenifer Brown, Janelle Ingram, Elliott Rodgers, Alexandria Ward and Lauren Womble	2 nd Place Overall - Trophy
Pokuri, Jayakrishna	Marine Biology – 1 st Place
Wade, Sam	Marine Biology – 1 st Place
Allison, Hannah	Amphibians & Reptiles – 1 st Place Geotrekker – 3 rd Place
Belcher, Adam	Amphibians & Reptiles – 1 st Place
Kempfski, Conrad	Geotrekker – 3 rd Place
Small, Quentajia	Robotics – 2 nd Place Science Fair – 3 rd Place
Ingram, Janelle	Science Fair - 2 nd Place
Brown, Jenifer	13 Test Tubes – 2 nd Place, Science Fair – 2 nd Place, Marine Biology – 1 st Place, Scientific Method – 2 nd Place
Ward, Alexandria	13 Test Tubes – 2 nd Place, Science Fair – 2 nd Place, Marine Biology – 1 st Place, Scientific Method – 2 nd Place
Womble, Lauren	Robotics – 1 st Place



Summer Academy

Summer Academy

The students met for three weeks from June 29 – July 17, 2009. The middle school students participated in number of hands-on activities learning about animals, earth and the human body systems. The students also dissected a crayfish. In each math class students had a warm-up activity, game and a worksheet on a real world career that used a specific math skill. The students also took a Pre- and Post test to assess what they learned over the summer. Each student received a copy of "The Girl Who Owned a City" and held discussions about the book. They also did various activities that focused on grammar, spelling, public speaking and writing.

High School science classes performed experiments that were based on the scientific method and dissected a fetal pig. The experiment topics were in the areas of earth, chemistry, biology and physical science. In the communications class students received and worked through a copy of "The Seven Habits of Highly Effective People for Teens." They also took a practice SAT test. In the math classes, students learned different strategies on how to solve real –life, geometry and algebra problems.

Dr. Gene Cole, an Environmentalist was a guest speaker. He spoke to students about the environment and concerns for the environment. He shared information about world resources and the importance of conserving and protecting our resources.

STEM Academy

Middle and High School students participated in hands-on experiments in chemistry, engineering and physics. Students also researched, prepared and presented a Going green project. UNC Chapel Hill students judged the projects. The top presentations won Awards.

Speakers for STEM Academy

- Col. Larry Campbell – spoke to students about leadership and shared information about his life and the importance of getting a good education.
- Capt. Gail F. Washington – Spoke to students about forensic science. Students solved a crime using the techniques discussed by the Capt. Washington.
- Dr. Carolyn J. Fisher – Spoke to students about the importance of being a scientist

Field Trips for STEM Academy

- Dr. Andy Moran Lab – presented to students information about alternate fuel resources and the amount of energy that the world will need in the future. Dr. Moran's lab is studying the efficiency of photosynthesis with laser technology. Students performed three hands-on experiments using different lasers set ups.
 - Brandi Bugg, 2009 graduating senior and Project SEED student, was one of the lab assistants for the summer students.
- School of Public Health – learned about the field of public health and what public health entails.
 - The middle school students were divided into teams and played Jeopardy based on public health questions.
 - The high school students were divided into teams and were given a scenario about people in a community. The students had to determine the health risks based on the information presented.
- Fresh Market – made a menu of organic foods using all of the food groups on the food pyramid. They could substitute a healthy food if an organic food was unavailable. Fresh Market employees spoke to the students about their products and provided samples of organic versus non-organic food to taste.

PERSIST Update

PERSIST students participated in a **Podcast Training** at Southpoint Apple Store. Students learned about how to produce a podcast. Students will prepare a lesson, teach and video the lesson and use the information to prepare a podcast. The podcast will be presented tentatively in the Spring and at the next PERSIST banquet.

Eleven out of 21 students attended the banquet. Adam Belcher was the 2008-2009 Student of the Year and Janelle Ingram was the UNC Chapel Hill PERSIST Essay Winner. Seventy two (72) % won perfect attendance trophies for the past two years.




At Apple Store

3



At Banquet

Saturday Academy

Saturday Academy Session I is in progress.  dates are September 17, October 17, November 21 and December 5, 2009. There are about 185 registered students from Durham, Chapel Hill, Orange, Alamance, Chatham, and Pittsboro counties. PERSIST students are scheduled to teach middle and high school students on December 5th. DESTINY bus is also coming to teach a cell unit to middle school students on December 5.



Saturday Academy Students in Action!

OPT ED Alliance Day



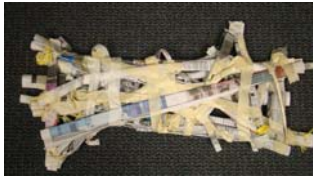
Students and chaperones attended the eighth annual OPT-Ed Alliance Day conference at Greensboro Coliseum on October 2, 2009.

The following **PCP students presented their Project SEED research at the OPT-ED Poster and Oral Presentations:**

- Zaria Shields – The Oxidation of Guanosine
- Grant Wilson – Using a Conjunctive reagent and Isolating Enantiomers Through Classical Resolution



Parent Academy and High School Leadership Retreat – October 3, 2009



Student's Bridge

Dr. Herbert Davis, UNC Chapel Hill, Associate Director of Admissions was the guest speaker for parents. He shared information about what colleges are looking for in upcoming students. The parents participated in a Parent Café where they brainstormed and talked about parenting issues.



Parent's Bridge

Mr. Arthur Affleck, author of “Yes You Can Finish High School and Go to College!” was the guest speaker for the high school students. He shared information about going to college and his book “Yes You Can”. The High school students also participated in a series of workshops to learn about the qualities of a good leader.

Parents and high school students were challenged to make the strongest bridge out of newspaper and tape. The parents won.

The Church of Pentecost, USA Inc. Outreach – September 20, 2009



Church members working on newspaper folding challenge

UNC Chapel Hill NC-MSEN Pre-College Program staff was invited to The Church of Pentecost, USA Inc. to talk to students about going and staying in college. Most of the students were from Ghana. We did several hands-on activities to encourage students to pursue more STEM.

NC State Fair

UNC Chapel Hill NC-MSEN Pre-College Program staff, parents and students manned the Pre-College booth on the last two days of the Fair (Saturday and Sunday). Despite the long hours all had fun. The students that participated were Calvin Affleck, Adam Belcher, Natalie Clifton, Ben Connelly, Michelle Connelly, Janelle Ingram, Conrad Kempski, Darrian Jones, Jarius Jones and Quentajia Small. PERSIST students are highlighted in green and ROBOTS students are in yellow.

Upcoming Events

Saturday Academy Session I – November 21, 2009 and December 5, 2009

DESTINY Bus at Saturday Academy – December 5, 2009

PERSIST Students Teach – December 5, 2009

