



2010-11 Calendar: Pre-College, M.E.T.A.S, P.E.R.S.I.S.T, & NASA/NC-MSEN SPACE Program

<u>NC-MSEN Pre-College Program</u>	March 5, 2011 (Regional MSEN Day 2011)	November 6, 2010
<u>M.E.T.A.S</u> and <u>P.E.R.S.I.S.T 2010-11</u>	March 26, 2010	November 6, 2010 (Parent Workshop - Financial Aid by UNC Charlotte Financial Aid Department)
September 11, 2010	April 30, 2011 (MSEN 2011 for those who qualify)	November 12, 2010 (OPT ED Alliance Day - Greensboro, NC)
September 18, 2010	May 14, 2011 (Awards Day and Annual Picnic)	November 20, 2010
October 2, 2010 (P.E.R.S.I.S.T. Leadership Conference)	June 20 - July 8, 2011 (Summer Scholars 2011)	December 4, 2010
October 16, 2010	June 20 - 24, 2011 (Summer Scholars for M.E.T.A.S)	January 8, 2011
November 6, 2010	June 20 - July 29, 2010 (Research Experience for 11th and 12th Grade Students)	January 22, 2011
November 12, 2010 (OPT ED Alliance Day - Greensboro, NC)	<u>NASA/NC-MSEN SPACE Program 2010-11</u>	February 2011 - CIAA High School Day 2011
November 20, 2010	September 11, 2010	March 5, 2011 (Regional MSEN Day 2011)
December 4, 2010	October 2, 2010	March 26, 2010
January 8, 2011	October 16, 2010	April 30, 2011 (MSEN 2011 for those who qualify)
January 22, 2011		May 14, 2011 (Awards Day and Annual Picnic)
February 2011 - CIAA High School Day 2011		June 20 - July 1, 2011

Summer Scholars 2010

Summer Scholars for the NC-MSEN Pre-College Program took place June 21 - July 9, 2010 from 8:30am - 2:30pm. The students had July 5, 2010 out in observance for the 4th of July Holiday.

During the summer ap-

proximately 200 Pre-College Program students participated. While on campus they were able to take four classes that are designed to help them be prepared for the upcoming school year. Additionally all student had to so a sum-

mer project. All projects had to be done at done a home.

The students could work in groups as well. 9th—12th grade students in the Charlotte/Mecklenburg School System had the opportunity to use their time at Summer

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Summer Scholars 2010 Continued

scholars and their summer projects as their Academic Internship Project. This Academic Internship allows students to receive a credit on their transcript. The credit does not count in their GPA but it does look good on their transcript.

All of the students presented their projects at the Summer Symposium, which took place on Thursday, July 8, 2010. This symposium allows the students to showcase their projects. This event is similar to a science fair. After the symposium the students participated in an awards ceremony for Summer Scholars. Several parents and UNC Charlotte Faculty/Staff attended this event to show

their support for the students.

On July 9, 2010 the students attended their summer 2010 trip. This was the last day of Summer Scholars. The students went to Cape Fear Science and Historical Museum in Wilmington, NC.



Saturday Academy 2010

The first Saturday Academy took place on September 11, 2010. Currently there are approximately 486 students enrolled in the 2010-11 program. This is one of the biggest groups yet.

The students and parents are eager about this year and look forward to what is to come. This year a new elective has been added. The elective is College Preparation. This has been added for both middle school students and high school students.

The middle school students are requesting that they have more things like the what is offered for the high school students.

Additionally, a new staff member has been added to the teaching staff. We welcome Ms. Kendra Johnson.

The students are able to get one on one tutoring from the UNC Charlotte PRODUCE students who come to assist with

Saturday Academy as part of their scholarship requirement. They are already taken advantage of this great opportunity.

The PIE Club is off to a good start. They have increased the number of parents who participate in the club. They parents are already thinking of ways to help financially support the program. They have already started several fundraisers. The PIE Club has been meeting during each Saturday Academy.

Research Experience for 11th and 12th Grade Students

During the 2010 Summer 6 new interns started with the Research Experience for 11th and 12th Grade Students. These students are: Gabrielle Nortey, Joel Nortey, Jalen Feaster, Ella Wickliff, Geard Fossett and Joseph Kroeger. Due to the generosity of NUCOR we are able to support six students this year.

These six young people were placed in various labs across the UNC Charlotte campus. Their project titles and mentors are follows:

Jalen Feaster (11th)

Title: Quantifying the Impact of Microprocessors on Energy Conservation Using Advanced Computer Architecture

Mentor: Dr. Ronald Sass

Joel Nortey (12th)

Title: Wireless Control of a Swarm of Robots

Mentor: Dr. James Conrad

Ella Wickliff (11th)

Title: Regulation of Liver Blood Flow in Endotoxemia

Mentor: Dr. Mark Clemens

Geard Fossett (11th)

Title: Developing a Solar Energy Harvesting System for Wireless Sensors

Mentor: Dr. Robert Cox

Gabrielle Nortey (12th)

Title: Nitrate Dependent Iron Oxidation

Mentor: Dr. Sandra Clinton

Joseph Kroeger (11th)

Title: Measuring the Temperature of Hydroosomes

Mentor: Dr. Ana Jofre



M.E.T.A.S Corner

The M.E.T.A.S group had a successful summer. The M.E.T.A.S Summer Scholars Program took place June 21 - June 25, 2010.

This was a great summer. This summer marked a major stepping stone for the program. Approximately 54 students participated in the M.E.T.A.S summer program. This is the largest the program has ever been. The students came from all across Cabarrus County.

During their one week summer program they were exposed to

several different math and science concepts. They were deeply engaged in math and science activities.

Their summer program ended with a trip the Reed Gold Mine in Midland, NC. The group explored an historic gold mine and panned for gold as well.

With having an excellent summer, the students returned to Saturday Academy excited and ready to go. This year the group has increased to having high school participants well.

Additionally the parents of these students are very supportive and helpful with getting the students to the program.

P.E.R.S.I.S.T in the news

The P.E.R. S.I.S.T students participated in their last summer as P.E.R.S.I.S.T students. They came to Summer Scholars ready and excited. Summer Scholars for them took place June 21 - July 9, 2010.

During the summer, P.E.R.S.I.S.T student Monja Johnson had the opportunity to go to Oxford for the summer to take classes. She had a great time and this was a very valuable experience for her.

For the 2010-11 year only 9 of the 10 P.E.R.S.I.S.T students returned. This is going to be an exciting year for the students as this is their Senior year.

The group travel to Raleigh on October 2, 2010 to participate in the P.E.R.S.I.S.T. Leadership Conference. Special thanks to Mr. and Mrs. Caldwell for chaperoning the students and taking them to the conference.

Both parents and the students said this was an excellent conference.

As a result of the program Jalen Bell, has applied for the Teaching Fellow Program.

This has been a great program and it has really encouraged the students to consider being math and science educators.



NASA/NC-MSEN SPACE Program

The 2010 summer marked the start of the NASA/NC-MSEN SPACE Program for the students. This summer 30 student participated in the NASA program. Their dates were June 21 - July 2, 2010, 8:30am - 2:30pm.

The students took four classes (math, science, English/language arts and they had a counseling course). The staff that work with the students are:

Charles Tuttle: Science

Felicia Dangerfield-Persky: Math

Elizabeth Jordan: English

Kristen Hodges: Counselor

Tanis Beatty: Student Guide

Joshua Spence: Student Guide

The teachers and student guides have been actively involved in this making sure they are doing everything for this program by participating in professional development session .

The students came to the program ready and eager to learn more about this program and what they would be doing.

The group was engaged all summer long. They did a lot of work on robots and learned how to analyze data.

This site was selected as one of the sites where the evaluators would come to do site visits. The first site visit went well. The student focus group met with the evaluators and they answered questions from a students point of view about the program thus far. Additionally two teachers (Ms. Jordan and Ms. Dangerfield -Persky) met with the evaluators to tell them about the program thus far from a teachers point of view. Lastly, Mrs. Harper met with them to give a Coordinators point of view.

The parents have been active in participating in the parents virtual sessions.

During the month of August the group took a summer over night trip to NASA Langley in Hampton, Va. The group

enjoyed this and found it worth while.

With the start of Saturday Academy all 30 students have returned and are enjoying things thus far. The students have been actively getting registered at the ICan website for the program . Teachers have been posting discussion questions and the students have been logging on to post responses to these this discussion questions. Additionally parents have been logging onto the site as well.

This site is expecting a visit from the evaluators at the November 20, 2010 session.

Plans are being made to have a parents financial aid workshop. Additionally a parent focus group is being established.

Parents have commented how much they and their children like the NASA program.

Student Spotlight Corner

Important Dates and Parent Information

1. Congratulations to Monja Johnson - during July 2010 Monja had the opportunity to visit Oxford and take a few classes.
2. Congratulations to the three students who were selected to attend the NC-School of Mathematic and Science starting in 2010 (Alexis Turner, Joseph Kroeger and Tohle Dumizo)
3. Parents are asked to participate in the PIE Club. Please see the PIE Club President, Sharon Bailey.
4. OPT ED permission forms are due immediately.
5. NASA/NC-MSEN SPACE students who have not registered and log onto the ICan website are asked to that immediately
6. Congratulations to all of the 2010 seniors.

