



Women In Natural Sciences (WINS) is an innovative and successful science enrichment program conducted by the Academy of Natural Sciences in collaboration with the School District of Philadelphia. Since its founding in 1982, WINS has been providing female public school students with hands-on science classes, scientific literacy and skill-building activities, and opportunities for personal growth in a uniquely nurturing setting.

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WINS Newsletter

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You think you have it hard!

What if you had to sit behind a screen in the classroom to remain unnoticed? This is how Florence Bascom, a geologist, learned while she was at Johns Hopkins University in 1890 because women were not able to enroll.

What would you do if you got fired from your teaching job at a University because you married a co-worker? This happened in the late 1940's to Joanne Malkus Simpson, a meteorologist. During her time, Universities did not allow employment of both husbands and wives. In the same boat was Maria Goeppert-Mayer, a physicist, who was denied a teaching job in the late 1930's because such jobs were not available to married women.

Can you imagine teaching yourself Latin, math, physics and chemistry because the schools for girls did not offer those subjects? For two years starting in 1912, Gerty Cori, biochemist and medical researcher, studied on her own just so she could go to Medical School.



These are just a few of the women that will be highlighted on the WINS door over the next few weeks to celebrate Women's History Month. In case you didn't already notice, yes, we have a door now! If you had a chance to stop by during February, you may have learned about Wangari Maathai, Mae Jemison, Madam C.J. Walker and Jocelyn Elders during our Black History Month door set-up.

So now you have two undeniable reasons to come by the WINS office - to visit Betsy and I, and to learn a little something about these remarkable women!

Dannyelle Combs
WINS Coordinator

Every Opportunity You Get...Take It!

As if being a junior in high school wasn't hard enough; think about tackling on *dual enrollment* as well. Rushing to class after a six hour day in school, I have to sit in English 101 two days out of the week from 5:15 to 6:35 pm. Sometimes I'm tired, and I want to go home, but I can't because I haven't finished school yet.

Even though hard work is required, I think doing dual

enrollment was a good choice. It exposes me to the college life, before I even get there. Not only that, I have to take my grade seriously because that is the only way I will get my early credits. I think that every girl should give it a try because it allows you to be exposed, and allows you early credits towards college.

Granted, it is a lot of work, and you have to be prepared

to take it on, but think of the reward in the end. You are one step ahead of the game. The college experience has been a lot of work so far, but at the end of the day, I feel its all worth it. It just brings me one step closer to the successful woman that I am becoming.

Alisa Randolph
WINS II



Alisa Randolph is shown here participating in a summer internship with the USDA, another of the opportunities she has taken advantage of.

On Etiquette and Being a Lady

On Saturday, February 20th the WINS II participated in the 2nd "Love Yourself" annual series with the workshop "Mind your Manners". Below is Kemeka Hernandez's impression of the day.

"This day inspired me to become more of a lady without changing who I really am..."

Kemeka Hernandez

I felt as though the lady etiquette lessons were great. Some of us needed it. It was a chance to better ourselves as the true ladies we are. I think I may have taken the most out of it because it made me realize a lot of what I didn't know.

Everyone in my life had always told me to act like a lady but until that lesson I had no idea of what a lady really was. I always thought that if you were a lady basically you couldn't have fun and run with the boys. In a way, I thought that being a lady was superficial, but when Ms. Zakia Barber of Protocol, Inc. came in she changed my whole opinion on that.

She also taught us how to look the part of a lady which doesn't necessarily mean high heels and dresses. But just to look clean and cross the legs at the ankle. What it means to be a lady simply is just to let the men feel like a man, its to let someone treat you with respect, to mind your manners and follow the lady etiquette protocol.

The second half of the day was just as great as the morning session. Ms. Debra Harris and Ms. Maria Antonio of Empire Beauty School taught us how to look like a lady - to be beautiful on the outside to match up with who we are on the inside. They both gave us some great tips to keep looking young and healthy.

This day inspired me to become more of a lady without changing who I really am.

Kemeka Hernandez, WINS II



Kemeka Hernandez (standing) presenting her strengths to the group in the "Love Yourself: Mind your Manners" Workshop.

My Experience as an Intern

I have been an intern at the Academy since the previous summer and it has been quite an interesting experience. I have had the pleasure of working under Judy Marie in the Phycology department.

I was required to sort and decant different samples of algae from all over the world. After the samples were decanted three times, they then needed to be freeze -dried. Being an

intern in this department required me to work alone almost all of the time, which was different than I was used to, considering that when working in the Academy I work with others. Still, being alone was easier to deal with because I could listen to music. Being an intern, I have learned a lot about where algae can be found and how various these places are.

I have thoroughly enjoyed interning in the Phycology

department and have come into my own as a person there. I have enhanced my organizing skills, my ability to speak up when I have a



Araya Shepherd working in the Academy's Phycology Lab.

problem, and learning to take control when I have had made a mistake while decanting. I have been able to take these skills with me to school, work, and through life in general and in turn I have been given more leadership roles which has increased my confidence with public speaking.

As I continue with interning, I hope to learn even more about algae and further the life skills that I have learned.

Araya Shepherd, WINS II

Learning from the Wise

On January 21st I along with the rest of WINS were invited to the 1st Annual "Live After WINS" Alumnae Panel. This function was one of the most helpful events held for me and others in the program, especially since some of us are juniors in High School. Knowing that the three panelist at the event had experience in the process of applying for colleges, making decisions about their Majors, and finding the right path to their future, hinted to the fact that this was not going to be an ordinary event.

The panelists were very honest, covering topics from not being interested in the fields of science, to changing majors multiple times. I felt more in tuned with the panelists when they dis-

cussed troubles and obstacles that they faced picking majors and finding the right path. They reassured us that changing majors was not a bad thing, and that not knowing where to go from one point to the next was normal, especially when it came to finding the right thing we wanted to do.

Understanding that having a shift of interest

was fine, the multiple careers I had thought of pursuing rushed back to me. I, at that moment began to ask myself if being a Veterinarian was the job that I wanted to do for the rest of my life, or even still be interested in with in the next year or two. Hearing that Ninette Cooper at first wanted to be an engineer, and then hearing her current occupation as the Unit Director

of the Philadelphia Boys and Girls Club shocked me. In my mind the shifts of her interest and career choice was huge. I couldn't at first comprehend how she jumped from one to the other, until she spoke of her love for people. I never really thought about how a natural gift, the smallest aspect of a person's character could become the center of their career.



Courtney Godbolt asks questions to the panelists (from left to right) Jenne Johns, Ninette Cooper and Andrea Firedman during the 1st Annual "Live After WINS" Alumnae Panel.

The WINS alumni panel was more than just an event to me. It helped me clarify things leading towards my future. Even though my passion right now might be veterinary science, there is a chance that my interest might change too.

Courtney Godbolt
WINS II

March

3rd - Sarah Pellecchia
6th - Donneice Brownlee
12th - Ongenna Enwereji
16th - Adjua Stinson-Murphy
20th - Nancy Koam
26th - Courtney Godbolt
28th - Madeline Walls
30th - Shahna-Marie Bell
30th - Qwaya Robinson

April

2nd - Comfort Adegemi
4th - Kerienne Huggins
6th - Martha Robles
12th - Jasmín White
13th - Jasmine Henderson
16th - Ebony Dyson
17th - Tajzhaí Mason
27th - Olicia Stephen

May

8th - Jhanelle Richards
14th - Monique Edwards
16th - Priya Smythe
26th - Dyanmond Logan



WINS Newsletter

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ALL (current!) WINS

Senior Farewell - Wednesday, June 2nd from 4:30pm to 6:00pm

ALL WINS II Meeting - Wednesday, June 23rd from 1:00pm to 4:00pm

WINS I

Field Trip! - Spring Recess trip to Delaware Aquatic Education Resource Center

Tuesday, March 30th to Friday, April 2nd. Meet at the Academy at 4:30pm on Tuesday; back by 1:00pm on Friday.

Field Trip! - Lady Maryland, Baltimore, Maryland

Saturday, May 1st
7:30am to 6:30pm

Field Trip! - "Cape to Cape" Overnight Camping

Saturday, May 22nd to Sunday, May 23rd.
Meet at the Academy at 9:00am on Saturday; back by 4:00pm on Sunday

WINS II

Workshop: Sustainability in Philly

Speaker: Katherine Gajewski, Director, Philadelphia Office of Sustainability

Thursday, April 15th
4:30pm to 6:00pm

Field Trip/Workshop!

Moore College of Art & Design

Saturday, May 8th
9:30am to 12:30pm

Workshop: Botany

Speaker: Alina Freire-Fierro Botany Collection Manager ANSP

Thursday, May 20th
4:30pm to 6:00pm

***Please note that the April 17th WINS II Field Trip has been cancelled.**