
PACE IS...

Program for Acceleration in Careers of Engineering

PACE - Monmouth Branch

September 2000



Students inventing a device to help the disabled.

PACE YDC Conference Kicks Off the Year

The fourth annual PACE YDC Conference kicked off the 2000 – 2001 PACE year on Saturday, September 9. The PACE Youth Development Corporation is the umbrella organization that comprises PACE – Monmouth and PACE branches in New Brunswick and Newark. This year's conference was hosted by PACE YDC Central Jersey at Rutgers University in New Brunswick, NJ. Dr. Alfred Watkins, President and CEO of PACE YDC, opened the conference. He introduced the

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Welcome to the PACE New Millennium!

With the start of a new millennium comes new challenges and new expectations. I trust that you are starting this new PACE year off with new expectations for yourself as well as for the program.

I want to share with you one goal I have in mind for you that I would like you to adopt for yourself - to learn and develop the skills necessary to transform yourself into one of the successful leaders of this new millennium.

To be a leader does not necessarily mean that you have to become nationally or world renowned as in a **Martin Luther King Jr.** (civil rights activist), a **Kweisi Mfume** (political leader), an **Oprah Winfrey** (business and entertainment tycoon), a **Simon Bolivar** (liberator and hero of several South-American countries), an **Imhotep** (ancient Egyptian architect, physician, and mathematician; considered to be the world's earliest multi-talented genius) or a **Tito Puente** (musical icon). You can be a leader in your local community, in your school, on your club/team, or simply within your family. The key is to understand what traits make for a good leader -

- patience and understanding,
- the ability to be a good listener,
- willingness to treat people fairly and with dignity,
- ability to trust and empower others,
- foresight to envision yourself (or your group/organization) in a better state of being,
- the courage to stick to your convictions, while at the same time being flexible and willing to listen to new ideas.

These are all *character traits* that enable people to develop trust and faith in you. But there are also *technical skills* that can help

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2000-2001 STUDENT ROSTER

FRESHMEN

Randall Blackman	Ocean Township HS
Kaieta Farley	Neptune HS
Omar Gratz	Red Bank Regional HS
Janelle Harrell	Middletown North HS
Sean Harris	Red Bank Regional HS
Kate Hiamang	Matawan Regional HS
Danielle King	Matawan Regional HS
Angela Ogunsuyi	Mater Dei HS
Sabrina Rencher	Monmouth Regional HS
Mark Walker	

SOPHOMORES

Kareem Brinson	Neptune HS
Charlsie Celestine	Old Bridge HS
Tarik Cole	Neptune HS
Leah Greene	Neptune HS
Michael Hiamang	Matawan Regional HS
William Portee	Red Bank Regional HS
Mario Rojas	Neptune HS
Dayon Saunders	Neptune HS
Ajja Walker	Neptune HS
Brennan Williams	Red Bank Regional HS

JUNIORS

Shaneale Brown	Long Branch HS
Heru Cooke	Neptune HS
DeAndra Curry	Matawan HS
Michael Evans	Monmouth Regional HS
George Fears	Monmouth Regional HS
Jose Fuentes	North Bergen HS
Sharif Gratz	Red Bank Regional HS
Monica Jackson	Matawan-Aberdeen HS
Corey Johnson	Perth Amboy HS
Jacobi Mack	Neptune HS
Gloria Manu-Anno	Old Bridge HS
Natasha Nelson	Freehold Boro HS
Shatiera Portee	Red Bank Regional HS
Renaldo Sears	Living Water Christian School
Monet Williams	Long Branch HS
Carolyn Woolfolk	Long Branch HS

SENIORS

Joanna Aiken	Freehold HS
Fidel Fuentes	North Bergen HS
Yusuf Hooks	Monmouth Regional HS
Alicia Jackson	Neptune HS
Mina Jean-Pierre	Academy Charter HS
Kimberly Johnson	Ocean Township HS
Tiffany Johnson	Matawan HS
Eric Majette	Long Branch HS
Tiffany Meredith	High Tech HS
Jessica Napoleon	Matawan HS
Rebecca Watson	Red Bank HS

you to be an effective leader -

- strong planning and organizing skills
- good public speaking skills
- clear and concise writing skills
- attentive listening skills
- ability to break a problem down into smaller pieces
- ability to identify and focus on the essence of a problem

The character traits are *values* that you learn from your family, friends and teachers/mentors throughout your life. The technical skills are *tools* that can be learned at any point during your schooling and career. Your PACE Instructors and Mentors are here to help nurture the values and teach the skills. We hope that both, together, will develop you into a passionate and powerful leader, whether that be on a local scale, national, or world-wide!

Let me end by offering you the challenge to make your every moment at PACE count! Don't come to PACE with the belief that you are here to 'kick it' with your friends. Enjoy your time spent at PACE, but come with the intention to get every 'morsel' of knowledge and wisdom out of PACE that you possibly can!

I wish you a great and successful year!

John M. Jones

2000-2001 PACE Monmouth Administrator

Student Body Profile

The PACE – Monmouth 2000 – 2001 student body has 47 students: 10 freshmen, 10 sophomores, 16 juniors, and 11 seniors. There are 21 new students and 26 returning students. The students go to 17 different high schools and live in 18 different towns. There are five pairs of siblings. Twenty-six students are girls; twenty-one are boys.

Students expressed career interests in medicine, engineering, computer science, business, law, math, coaching gymnastics, accounting, fashion design, acting, being a veterinarian, and being a fighter pilot. Medicine, engineering and computer science or computer engineering were the most often cited fields.

theme of the conference, “Inventors of the New Millennium.”

The conference featured youth development workshops entitled “The Invention Process” and “Starting Your Own Business”. In the invention process workshop students invented devices to help the disabled. Other workshops were held for staff development and parents. A joint staff/parent workshop dealt with inspiring and supporting our students.

A panel of African-American and Latino professionals continued the invention theme in the after-lunch workshop. Dr. Yves Jean, a computer scientist at Lucent Technologies, showed Lucent Vision, a project he worked on that monitors tennis players and the tennis ball and gives a graphical display of where they spend their time on the court. The product was being used to enhance the television coverage at the US Open, which was going on at the same time as the conference. Pedro Mirabal, an AT&T engineer, presented an electronic component enclosure. Also on the panel were Claude Narcisse, a Lucent Technologies patent attorney, who talked about patents, Dr. Wole Soboyejo, a Princeton University professor, and Dr. William Massey.

The conference concluded with a quiz show that was similar to

the popular television game show “Who Wants to Be A Millionaire?” The questions, as you might guess, were about inventors and inventions.

About 80 students, parents, staff, and guests attended the conference. ❖

Math Bowl Challenge

The following problem is the type that you might see in next spring’s PACE Math Bowl.

Letters	O	R	E	A	T	F	B
Point Values	1	2	4	8	16	32	64

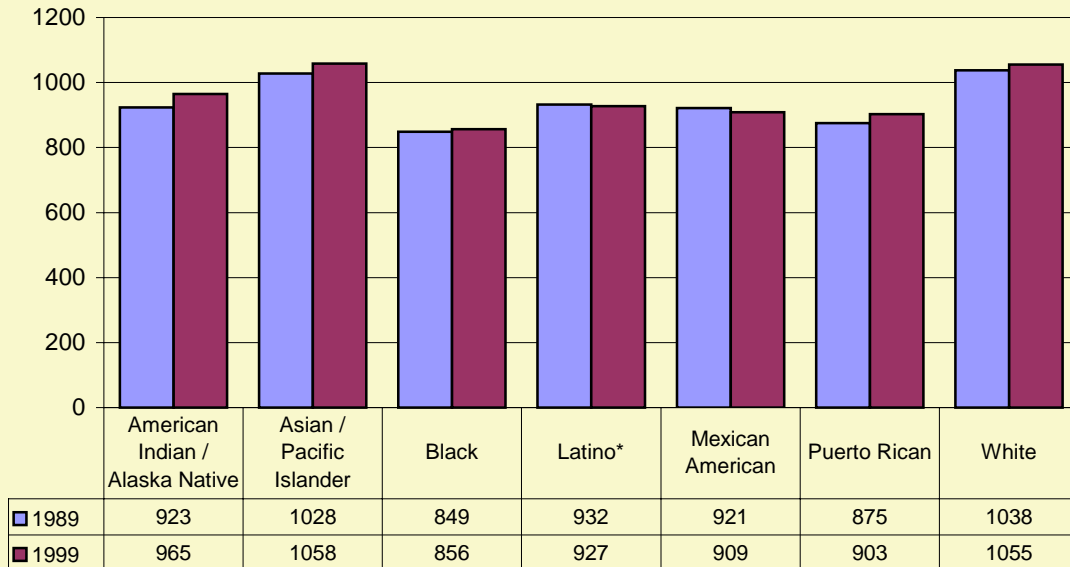
A certain 4-letter word (whose letters are in alphabetical order) has a point value of 51. The letters in the word are in the above table along with their point values. The point value of a word is the sum of the point values of its letters. What is the word?

The answer is on page 4.

FACTS AND FIGURES

SAT Overall Scores

■ 1989 ■ 1999



* Excludes Mexican-Americans and Puerto Ricans

Source: The College Board (www.collegeboard.org)

PACE Inspiration for the Year 2000 - 2001

Developing a Sense of Excellence!

Quote

Show me someone content with mediocrity and I'll show you someone destined for failure.

Johnetta Cole

Meditation

It is never too late to trade in mediocrity for excellence. Diligence and a positive mental outlook are tools we can acquire, hone, and put to use if we decide to choose a life that will stimulate and gratify us. Whenever we think to use the phrase "good enough", let's challenge ourselves to contemplate the phrase "but I know I can do better."

Affirmation

On this day, I will spend five minutes remembering something I did in the past that made me proud. Then I will visualize how I could have made it better and endeavor to do so the next time I carry out that same task. ❖

Read PACE's weekly inspirations at the PACE – Monmouth website, www.pace-monmouth.org, under PACE Post-Its.

Solution to the Math Bowl Challenge

There is only one combination of four letters whose point values sum to 51. That is O, R, T, and F ($1 + 2 + 16 + 32 = 51$). Put them in alphabetical order and you get FORT.

Bonus Question: Find a four-letter word whose value is 16. The letters need not be in alphabetical order. The answer will be given at an Eye-Opener during the fall semester.

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