Woodrow Wilson High School Campus

Green LEEDers Open House & Tour

Welcome to the newly modernized Wilson High School Campus!

Hello my name is ________ and I will be your Green LEEDer and tour guide for today! I am a ________Grade student and a member of SGA and/or ________ Academy

As Mr. Cahall said, the modernized Wilson campus is “simply spectacular” and now we are going to see it first-hand. He told you it’s our 75th anniversary year and some would say everybody could use a makeover after 75 years. Wilson got much more than that. We have more than 100,000 square feet of additional space on the renovated campus and the whole project cost over $105 million. Wilson is located on the highest point in Washington, DC. The campus is made up of 7 separate buildings and hundreds of yards of new corridors. Going from South to North they are the Wilson Aquatic Center, the Wilson Powerhouse, the Main Gymnasium, the Auxiliary Gymnasium, the Main Academic Building, the Library Media Center & Robotics Lab and the Art & Music Center.

What you also may not know is that this is the most energy efficient and environmentally friendly re-design of any high school in DC. In fact the new Wilson campus is “Going for the Gold”. We are applying for a Gold LEED Award from the US Green Building Council. LEED stands for Leadership in Energy and Environmental Design. We would be the first comprehensive public high school in the DC area to achieve this recognition. Educating you about environmentally friendly design is an important part of our “Going for the Gold”. Let’s get going!

TOUR

First Floor

1. On the way tell families – We are walking through the Administrative Core of the building. It is designed to offer students and parents most of the wrap around services young adults need. Located in the center of the main academic building you get -
   a. Counseling, health services, psychological and social work services
   b. College & career center, after school programs, college financing services, mentoring/academic coaching support
   c. School Bank & School Store
   d. Nutrition & cafeteria
e. Now we are leaving the main academic building heading to Library & Media Center Building – It is Building B Classes in this Building will have a “B” before the room number, like B104.
f. Service tunnel served as a fallout shelter
g. Loading dock

2. Robotics room
   a. The smartest and best equipped Robotics Program in DC. We will be hosting the FIRST Robotics Competition Citywide Opening in January 2012.
      - CAD Design with three dimensional printing, CIM- Computer Integrated Manufacturing – designs go from the computer to the machine shop.
      - Sound dampening panels just for the room.
      - There is enough mass in the floor above to keep the noise of the shop from going upstairs into the media center.
      - Thanks to community partners, FIRST Robotics and DCPS-CTE Programs
   b. Sustainable marmoleum floors.
      - Made from natural materials - linseed oil, cork, limestone, tree rosin and natural minerals

On the way- Underground

- Parking on the left, art classrooms on right.
- Notice the Original Steel Beams that are being used for this entire building

3. Art Rooms/Terrace
   a. Kiln room for pottery
   b. 3D and 2D classrooms.
   c. Point out LEED Sustainable Sites Display board
   d. Art terrace for working outside. Beautiful view of the football field and school.
      - Sits above 30,000 gal storm water tanks that manage the runoff from the entire site when it rains. Storm water from big storms is the biggest polluter of the Potomac and the Chesapeake. This holding tank will slowly filter and release stormwater.

Head up the hill toward Chesapeake Street lobby.

4. Chesapeake Street Theater lobby.
   a. Interactive Art display – Selected from national competition. You and all future Wilson students will be part of the art
   b. Will serve as the public access to events and productions in the brand new auditorium space
c. Terrazzo floors – These heavy duty floors replicate the original floors in main Building and mix recycled glass, granite, quartz and other materials in a concrete base and are sanded down and polished at least 7 times to display patterns and colors. This is a skilled art form and so durable it is guaranteed to look new into the 22nd century.

5. Choral Room
   a. The building that we are currently in was once the old gym in 1934.
      - Back then boys and girls had to have separate gyms.
      - Now they are split into this room, the black box theater (next room), and the media center.

6. Black Box Theater
   a. Is the other half of the 1935 girl’s gymnasium.
   b. Seats 125 – easily rearranged
   c. Every college has a black box theater now...so does Wilson. ...perfect for HAM Academy One Acts, Open mic and Comedy shows.

7. Media Center
   a. Was originally the boy’s gym in 1935.
   b. Now houses the school’s books on the first floor.
   c. Large central windows that let in ample light.
   d. Light fixtures- Danish Design – company named Poulsen.
   e. Carpet made from recycled material.

- Go up the Media Center stairs to the third floor.

8. Tiger TV Broadcast Center and Computer Lab
   a. Tiger TV Broadcast Center – place where daily announcements are made.
      Every classroom and most public spaces are hooked up to a video monitor – television, Promethean Board or LCD projector. There are nearly 100 throughout the campus. We will have daily video announcements and every student and staff member can be a reporter. Every day we will get updates on Tiger sports, news, fashion in the halls, college visits. This should build the Tiger community more than anything else! Any volunteers who will let me videotape your impressions of the campus so far?
   b. Interactive Media Computer Lab – Humanities Arts & Media Academy courses.
      - 30 Top of the line Mac computers.
      1. Energy efficient.

9. Cybercafé
   a. Mainly place for seniors and honor roll students to study and socialize.
   b. Only students with good grades are allowed access.
   c. Point out green roof above the loading dock.
On our way to the Performing Arts Wing or Building C.

- Courses in this building will have a C before them ...like C-104
- Catwalk into the auditorium
  - Improves circulation
  - Multiple ways to enter/exit auditorium
  - Great view of the football field

10. Auditorium
   a. Used to be the gym
      - Now the gym is where the auditorium used to be
   b. Seats 850 people
      - Original refurbished seats from 1935
   c. Ceiling is covered with spray foam insulation
   d. Curved acoustical panels also have insulation on the back
   e. Ceiling structure is the original framing from the old gym
   f. 3 large projectors, large sound system
   g. Compact fluorescent lighting
   h. Scene shop behind the stage
      - Props for theater are built

- Go down auditorium steps and take the left exit towards the music room

11. Music Room
   a. Brand new construction
      - Built off the side of the old gym.
   b. Large upper windows almost like skylights lets in an incredible amount of natural light.
      - Lights don’t need to be on during the day
   c. Sound dampening ceiling
      - So the rest of school doesn’t hear the band.
      - Take a look and listen...you can't hear the traffic at Chesapeake and Nebraska and the neighbors are excited that they can’t hear you or the Wilson Tiger Band.
   d. Same acoustical panels/spray foam that are in the auditorium

- Go back through the auditorium to the Chesapeake street lobby and head toward the main academic building.
On the way-

- Original causeway
- Was a high traffic area, Student Traffic Jams four or five times a day. It was the only way to get from old gyms to the main academic building.
- Now there are three levels of walkways- one on each floor.
- New windows- double pane with argon gas in between for insulation.

12. Original Main Entrance
   a. Original refinished trim from the old lobby
   b. Used to be where the front entrance of the school was
   c. Lockers painted light green to identify what floor you are on
      - Light green – 2nd
      - Dark green – 3rd
      - Red- 4th (freshman academy)
   d. Original terrazzo floors from 1935. (Star mural)
      - One of the reasons why terrazzo floors are being put into the atrium.

13. Science Room/ Greenhouse  rm #224
   a. All science rooms are on this side of the main academic building
   b. Part of the school’s eco-lab.
   c. Green house suspended on stilts above the rose garden.
   d. 525 square feet
   e. Glass and aluminum pitched roof.

14. Rose Garden (point out rose bushes)
   a. Pristine outdoor space that is connected to the auxiliary gym and to the cafeteria
      - Students can eat their lunch outside.
   b. Sits above the 15000 gallon Cistern
      - **Point out LEED Water Efficiency presentation board**
      - The roof area that is directed to the Cistern is 22,500 square feet.
      1. Auxiliary and Main gym, Main academic building
      - The Cistern will support 55 water closets and 18 urinals.
      - The average monthly flushing demand during normal school hours is roughly 2,800 gallons. (approximately 140 gallons per day)

15. Main Gym - Tiger Eyes!
   a. Lobby -original wood trim and floor
   b. Can hold the entire school
   c. Was originally the auditorium. They dropped the sloped floor of the auditorium and then dug it down thirty more feet for locker rooms and swimming pool access.
   d. Had to build the floor and install the basketball hoops and scoreboards.
   e. Efficient fluorescent lighting.
**Natatorium (Pool House)**
- On the original pool site
- In 1996 old pool (built 1970’s) wall collapsed inward.
- New structure built in 2009
- Solar powered roof.
- Largest pool in the DC area. (50 meter lanes - Olympic sized)

**Old school power plant (Power House)**
- Used to provide power for the entire school – It’s historically protected. It’s a monument to environmental pollution of the past. Any ideas for what we can do with the smokestack? Maybe a climbing tower?
  - Dirty coal burning boilers that were 2 stories tall! (NOT green at all)
  - The original boiler plates are now decoration on walls
- To modernize the heating and cooling systems the roof was taken out and replaced by cooling tower that cools the mechanical equipment. Our new heating and cooling system uses one third the space.
  - Big metal box hanging from ceiling.
- Original steel structure
- **Makes for a really cool exercise room. ..the “PowerHouse”**

- Head down stairs and go towards the locker rooms.

**Power equipment**
- Now condensed to efficient one floor operation.
- Natural gas powered generators
- Provide electricity for whole school.

- Go through boy’s locker room and turn right down hallway past training rooms.

On the way- Original causeway tunnel leads back to the cafeteria and atrium space.

**Football Tunnel**
- Tunnel used to get out onto the field from the locker/training rooms.

- Head back down training hallway to the far staircase and go up to the second floor.

**Auxiliary gym**
- Built off one of the connecting causeways
  - (Ramp at the north end of the gym)
  - Built over half of the old rose garden.
- Large upper glass windows & skylights means the gym lights don’t have to be on during the day.
- V columns are used as aesthetic and structural support.
d. Same energy efficient lights like in the main gym.
e. Two brick structures are equipment storage

21. New Main Staircase
   a. Was originally classrooms
   b. Cut out the floors and built a large staircase for improved circulation.

22. Go up main staircase (north) to the 3rd floor (Dark Green)

23. Classroom # 304
   a. What most classrooms in the main academic building look like.
   b. Promethean Smart Board
      - Built in projector
      - Records everything that is written
   c. Go to next classroom (#307)
      - Slanted acoustic ceiling bounces light from outside further into the room
      - Also allows room for mechanical equipment.
      - Occupancy s

24. Third level walkway
   a. Built on top of original causeway
   b. All glass curtain walls provide panoramic view of Wilson campus.

25. Go up the east staircase to the 4th floor (Red)

26. Freshman Academy Commons
   a. Large break out space
   b. Used for group projects, meetings, discussions.

27. Fourth floor science room
   a. Fourth floor will house the freshman academy- four houses of 100 freshman each
   b. Point out LEED Energy and Atmosphere display board
   c. From the window
      - Green Roof on the auxiliary gym
      - Point out the roofs that support the cistern (Gyms + roof over your head)
      - Solar panels on the pool.

28. Go down the west staircase back to the first floor.

End of tour.

Congratulations you did great!!
NOTES: