

STUDENT EXAMPLES OF PROJECT COMPONENTS

VISION & DEVELOPMENT STRATEGY

Rationale - (First Ladies Monument)

We think that all the First Ladies deserve to be memorialized because they play as big a role as the President himself. We decided to memorialize every First Lady because they need to be recognized way more than they already are. The Presidents need someone trustworthy to assure their ideas with. They need someone to be there for them when they need help. The Vice President cannot appeal to both of these things alone. The First Ladies help support the Presidents, and they go through everything alongside the President. For example, George W. Bush had to attend a talk show, but he could not make it due to other plans. Instead, his wife Laura Bush went on the show for him knowing that the interview was very important. There have been forty-three presidents, and forty-six first ladies. Some Presidents have had two wives.

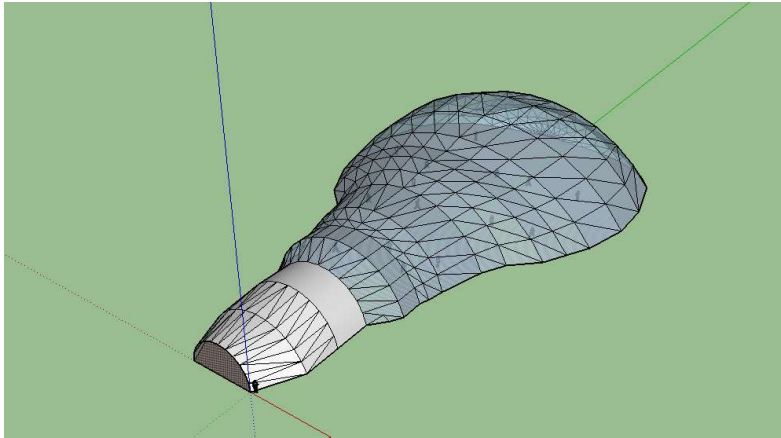
First Lady Michelle Obama has made a huge impact on the world with her *Let's Move* campaign. This campaign seeks to reduce child obesity and encourage a healthy lifestyle through collaborative, fun activities. Along with the *Let's Move Campaign*, Michelle Obama released a song called "Move Your Body". The song was sung by Beyoncé and Swizz Beatz. In the music video of the song Beyoncé is dancing with children in a school cafeteria.

Rosalynn Carter, wife of Jimmy Carter; Nancy Reagan, widow of Ronald Reagan; Barbara Bush, wife of George H. W. Bush; Hillary Rodham Clinton, wife of Bill Clinton; and Laura Bush, wife of George W. Bush. These are the only five former living First Ladies.

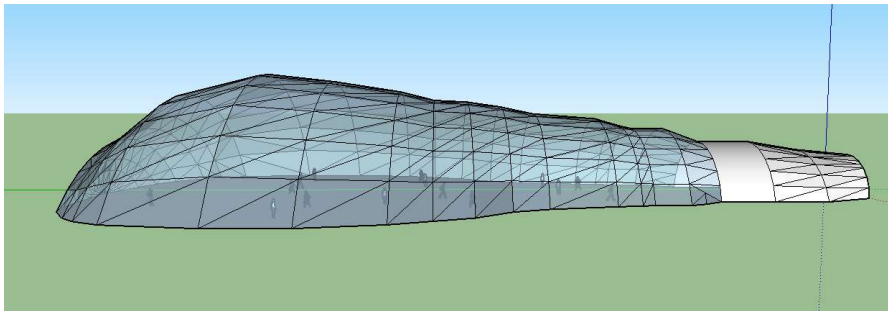
Description of Monument - (Jessie Owens Monument)

Our monument dedicated to Jesse Owens, is an odd shape compared to most, however, the shape has a very special significance. The monument is shaped like a track with track lanes going around the interior of the building. Every 100 meters of the track there is a new section about his life. These are lit with three LED lights per section. To increase our LEED Rating up, the design team tried to use less lights as possible. There is a big glass dome on the top of the building and the building's energy is provided by solar panels. If people continue walking through the monument they can look and see a park area where there are many benches, trees, bushes, and grass. Some of the green features that we have are, solar panels, the glass dome, to bring light to the plants. If they were to continue to walk straight, they would encounter a large black granite podium which has a statue of Jesse Owens starting in a race. This statue is made of bronze, and on the sides of the podium, there is a plaque filled with all of the events that Jesse Owens won gold in, and another plaque that has all the accomplishments of all the African American Olympic participants. When visitors enter the building, there is a visitor center, which carries brochures, maps, etc. The exterior of the building is made of gray granite, and the look is sleek, yet classy. The monument goes in a circle shape, so where the visitors enter, it is where they would exit.

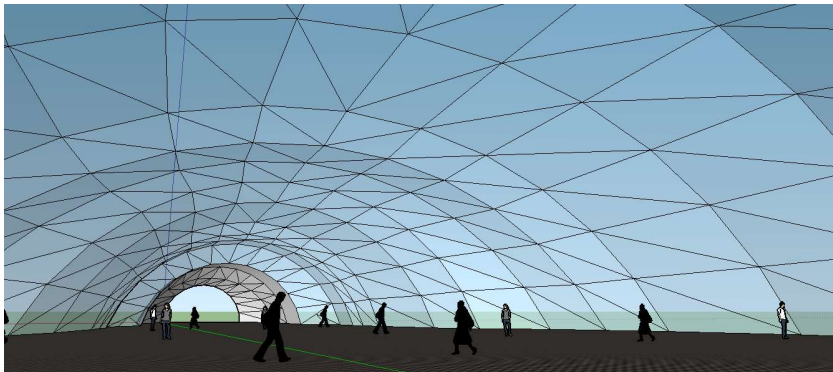
Monument Design - (Thomas Edison, 9/11 First Responders)



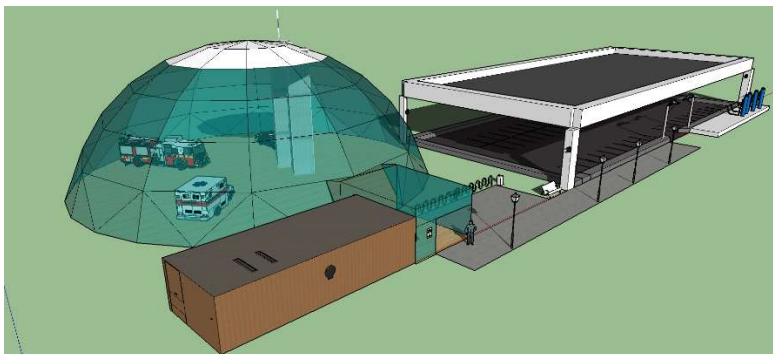
1 Thomas Edison



2 Thomas Edison



3 Thomas Edison



4 9/11 First Responders

Voices of the Monument - (Jessie Owens Monument)

African American voices are most strongly heard because Jesse Owens was an African American track and field athlete that participated in the 1936 Berlin Olympics, later winning four gold medals. He was criticized by Hitler, snubbed by Franklin D. Roosevelt who was President at the time and was still treated differently from other Olympic champions by his country after his return because of his race.

"When I came back to my native country, after all the stories about Hitler, I couldn't ride in the front of the bus," he said. "I had to go to the back door. I couldn't live where I wanted. I wasn't invited to shake hands with Hitler, but I wasn't invited to the White House to shake hands with the president, either."

We will ensure that all voices are heard by designing a tribute to the African American athletes that participated alongside Jesse Owens that won gold medals in the Berlin Olympics (Mack Robinson, Delos Thurber, Cornelius Johnson, David Albritton, John Woodruff and Archie Williams). There were eighteen African American athletes in total that participated in the Berlin Olympics, but only six of them won gold medals. We could design a tribute for people that have proved anyone wrong and the African American athletes that participated in the Berlin Olympics.

Funding - (First Ladies Monument)

For our memorial we have decided to ask the following companies and people for funding: Yahoo, Facebook, the Let's Move Foundation, the five living presidents, and WaterSense.

We feel as though these people and companies are related to our memorial in one way or another. The presidents are a great resource because this would be a way for them to honor their wives, and it can help work towards more gender equity in America. The president that we would ask are the ones that are still alive such as Barack Obama, Bill Clinton, George H.W. Bush, George W. Bush, and Jimmy Carter. Lastly it would be a sign of respect from the men.

As for the Companies Facebook and Yahoo, they would be a partner because they have women in places of high authority. For example, the Chief Executive Officer is a lady name Marissa Mayer, and the Chief Operating Officer of Facebook is a lady named Sheryl Sandberg. This means that the companies support women trying to get ahead in the business world which is an example of what first ladies do. Additionally, we would partner with the Let's Move Foundation because the current first lady is part of this particular movement which is encouraging kids to go outside, play, and be healthy. Lastly we would partner with WaterSense because we will use their products since they are environmentally friendly, and that is part of our goal to be environmentally friendly. Lastly, we will just ask for public donations.

GOOGLE EARTH TOUR (SCRIPT)

Erica: “Even the smallest act of service, the simplest act of kindness, is a way to honor those we lost, a way to reclaim that spirit of unity that followed 9/11.” — **President Obama**. Hello, my name is Erica. Our monument is named the 9/11 First Responders. It is located right next to the Washington Monument and the World War II monument in Washington D.C.

Anthony: Hello, my name is Anthony. One of the main reasons that this should be a monument is because these were people who risked their life's to save others. This is a big thing because their lives were put on the line for something they did not cause.

Riley: Hello, my name is Riley. A third reason our monument is where it is because of the tourist activity and nearby transportation and dining.

Kirby: Hello, my name is Kirby. The second reason to remember that there were many good people with good motives during this time of crisis.

Erica: Our monument has facts and meaningful quotes on the towers. It makes the families and friends of the first responders or any of the victims for that matter feel calmed and relaxed while watching the sun rise and sun set.

Anthony: Our monument should be where it is because it was a very touching and emotional day and being right next to the Washington Monument makes people think of the hard and easy times of our country.

Kirby: This tragic event happened and effected our whole country so we should all remember this event. Even since this happened in New York City.

Anthony: Our monument is going to use solar power and water efficient because at the top of the tower there is a hook with a bucket that is going to collect rain water and use it for A/C and heat.

Kirby: Another benefit of our monument is that since it is all glass and clear dome it will have a lot of sunlight, so it will not use as much lights.

Erica: Our parking lot and bus stops are within 1 quarter of a mile. Also all of our wood is within the Washington D.C local area. Our parking lot has four electric car charger.

Kirby: Also we have bike racks that are right next to the dome.

Riley: This monument is not just for the first responders of the 9/11 tragedy it is for every men and woman that has served for our country.

Anthony: “One of the worst days in America’s history saw some of the bravest acts in Americans’ history. We’ll always honor the heroes of 9/11. And here at this hallowed place, we pledge that we will never forget their sacrifice.” —President **George W. Bush**

LEED CERTIFICATION/ GREEN CONSTRUCTION ELEMENTS

Example of a Completed Spreadsheet -

LEED 2009 for New Construction and Major Renovations				Project Name: _____ Date: _____	
Project Checklist					
2.5 Sustainable Sites		Possible Points: 26		Materials and Resources, Continued	
Y	1	Construction Activity Pollution Prevention	1	Y	4
Y	5	Site Selection	1	Y	5
Y	6	Development Density and Community Connectivity	5	Y	6
Y	6	Brownfield Redevelopment	1	Y	7
Y	6	Alternative Transportation—Public Transportation Access	6	Y	7
Y	2	Alternative Transportation—Bicycle Storage and Changing Rooms	1	Y	7
Y	2	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	3	Y	7
Y	2	Alternative Transportation—Parking Capacity	2	Y	7
Y	1	Site Development—Protect or Restore Habitat	1	Y	7
Y	1	Site Development—Maximize Open Space	1	Y	7
Y	1	Stormwater Design—Quantity Control	1	Y	7
Y	1	Stormwater Design—Quality Control	1	Y	7
Y	1	Heat Island Effect—Non-roof	1	Y	7
Y	1	Heat Island Effect—Roof	1	Y	7
Y	1	Light Pollution Reduction	1	Y	7
25					
1.0 Water Efficiency		Possible Points: 10		Indoor Environmental Quality	
Y	4	Water Use Reduction—20% Reduction	2 to 4	Y	1
Y	4	Water Efficient Landscaping	2 to 4	Y	1
Y	4	Innovative Wastewater Technologies	2 to 4	Y	1
Y	4	Water Use Reduction	2 to 4	Y	1
10					
3.3 Energy and Atmosphere		Possible Points: 35		Regional Environmental Quality	
Y	1	Fundamental Commissioning of Building Energy Systems	1 to 19	Y	1
Y	1	Minimum Energy Performance	1 to 19	Y	1
Y	1	Fundamental Refrigerant Management	1 to 7	Y	1
Y	1	Optimize Energy Performance	1 to 7	Y	1
Y	1	On-Site Renewable Energy	2	Y	1
Y	1	Enhanced Commissioning	2	Y	1
Y	1	Enhanced Refrigerant Management	2	Y	1
Y	1	Measurement and Verification	3	Y	1
Y	1	Green Power	2	Y	1
33					
1.1 Materials and Resources		Possible Points: 14		Innovation and Design Process	
Y	1	Storage and Collection of Recyclables	1 to 3	Y	1
Y	1	Building Reuse—Maintain Existing Walls, Floors, and Roof	1	Y	1
Y	1	Building Reuse—Maintain 50% of Interior Non-Structural Elements	1	Y	1
Y	1	Construction Waste Management	1 to 2	Y	1
Y	1	Materials Reuse	1 to 2	Y	1
4					
4 Regional Priority Credits		Possible Points: 4		Total	
Y	1	Regional Priority: Specific Credit	1	Possible Points: 110	
Y	1	Regional Priority: Specific Credit	1		
Y	1	Regional Priority: Specific Credit	1		
Y	1	Regional Priority: Specific Credit	1		
4					
Total					
Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110					

Total = 97

old reduction
urchasing stamps
reduce on 4 cr
in light
bulbs

Example of Student Preparation of a Spreadsheet Component -

			Water Efficiency	Possible Points: 10
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Y	Prereq 1	Water Use Reduction—20% Reduction	
	Credit 1	Water Efficient Landscaping	2 to 4
	Credit 2	Innovative Wastewater Technologies	2
	Credit 3	Water Use Reduction	2 to 4

- 5 toilets in women's bathroom
- 2 toilets in men's
- 1 in family/handicap bathroom
- low flush toilets/urinals with graywater and/or rain water
- each toilet reduces 20-60% less water from an average toilet
- use rainwater or graywater for toilets
- low-flush urinals
- reuse rain water for water efficient landscaping

