

Architecture Merit Badge ~ One World Observatory

Saturday March 3, 2018

Itinerary for Boy Scouts

Prerequisites:

- Prior to start of the Merit Badge Series Event the Boy Scouts need to have the following prerequisites completed:
 - 1(b): Select and architectural achievement that has had a major impact on our society. Using resources find out how this achievement has influenced the world today
 - 4: Measure a room such as one where you live or where your troop meets. Make an accurately scaled drawing of the room's floor plan showing walls, doors, closets, windows, and any built-in furniture or cabinets. Neatly label your drawing with your name, the date, the room you drew and the drawings scale.

9:45am – Arrival at One World Trade Center

- Gathering outside of the West Side of the Building at the corner of West Street and Vesey Street.

10:00am – Enter One World Observatory

- Follow the instructions given by One World Observatory operations staff to proceed to security check in
- Go through security check in and proceed into our Global Welcoming Center
- Proceed through our Global Welcoming Center, Voices and Foundations exhibits and enter our Sky Pod Elevators.
- After exiting the elevators enter our See Forever Theater where you will watch a minute-and-a-half presentation
- Following the presentation the group is free to by-pass the OWEP presentation and See Forever Imaging in order to get to the City Pulse ring in a timely fashion

10:30am – Begin gathering around our South City Pulse Digital Ring

- After exiting the theater you will proceed down to our 100th floor and gather around the City Pulse on the south side of the building

10:40am - Architecture Merit Badge Presentation begins at the South City Pulse

- Fulfill requirement 2(a): This presentation will focus on sustainable energy and will identify 3 characteristics of green buildings
- Fulfill requirement 2(b): The difference between renewable building materials and recycled building materials will be discussed
- Fulfill requirement 2(d): We will discuss how building materials can be reused when they are no longer serve their original purpose
- Fulfill requirement 2(c): Finally the importance of a building to its surroundings will be discussed with a focus on the importance of One World Trade Center to Lower Manhattan
- Throughout the show conversation and questions will be encouraged to make the show as interactive as possible
- Fulfill requirement 5: Your Merit Badge Counselor will go over a variety of architecture career opportunities

11:15am – Fulfill Requirement 3(c) on the 100th Floor of One World Observatory

- Your Merit Badge Counselor will act as your client and task you to build a replica of One World Trade Center
- The requirements for the building are given on the next page

12:00pm – Fulfill Requirement 1(a) as you roam the space

- View the skyline and identify buildings that can be associated with a specific time period
- Sketch the building you most admire



Architect Interview at One World Observatory ~ Merit Badge Requirement 3C

Thank you for choosing One World Observatory as your venue to earn your Architecture Merit Badge. The goal of One World Observatory is to provide an inspiring experience that drives the passion of our guests and in your case future architects! With that being said I am glad to take you on as my architect to construct New York's next amazing skyscraper. We have a very specific set of requirements necessary for our building that are given below. Please use the information that you learned today about One World Trade Center and New York's other iconic skyscrapers to make this proposal.

Requirements:

1. The building must meet the requirements of an LEED Platinum Certified building.
2. The building must use renewable materials to power the building, examples of renewable materials will be necessary.
3. At least 3 features of green building need to be present.
4. The building must reflect the area in which it is located.
 - a. Since this building will be located in downtown Manhattan you will need to use a variety of historical aspects of the area in its design.
5. A plan for how the building will positively impact its surroundings is necessary.
6. The design of the building must make it possible for the building to withstand a variety of weather situations. Explain the steps your building is taking to make it as safe as possible during these situations.
 - a. This including superstorms (ex. Superstorm Sandy), flooding and high winds.
7. This will be an office building that will need to be home to at least 75 office floors. Please build into your design other maintenance floors that will be necessary.

The goal of this project is to create a modern skyscraper that is meaningful to its surroundings and positively impacts the community. Please explain how all of the requirements are related and how they will make the building as functional as possible.

Thank you again for taking on this project and please use the view from One World Observatory to assist you in your design.