

Mary Idema Pew Green Building (LEED) Scavenger Hunt

Instructions: Welcome to the Mary Idema Pew Green Building (LEED) Scavenger Hunt. Throughout the library you will find Scavenger Hunt QR codes. Scan a QR code to watch the video, then answer the question below. You are expected to stay in your assigned groups for this activity rather than splitting up.

Green Building (LEED) Attribute 01: Introduction

1st floor, Main entrance, Mary Idema painting

1. What is (are) your name(s)? _____
2. How did GVSU determine which energy efficiency measures to include in construction of the library?

Scavenger Hunt Competition: Take a selfie with your group at the Scavenger Hunt starting point (+2 points)

Green Building (LEED) Attribute 02: Green Spaces

1st floor, Main entrance, outside table

3. What are three functions of green spaces in terms of sustainability? _____

Scavenger Hunt Competition: Take a selfie with your group at one of the green spaces outside of the library (+5 points).

Green Building (LEED) Attribute 03: Access to Public Transportation

1st floor, Main entrance, outside tables

4. What is the relationship between public transportation and LEED certification? _____

Scavenger Hunt Competition: Take a selfie of your group at the Kirkhoff/Pew Library bus stop (+5 points)

Green Building (LEED) Attribute 04: Double Door Airlock

1st floor, Main entrance, airlock

5. What are the sustainability features of a double door airlock? _____

Scavenger Hunt Competition: Take a selfie of your group inside one of the library's airlocks (+2 points)

Green Building (LEED) Attribute 05: Mechanical Systems

1st floor, Plexiglass display

6. What are the sustainability functions provided by the library's automated mechanical systems?

Scavenger Hunt Competition: Take a selfie with your group at the plexiglass mechanical system display (+3 points)

Green Building (LEED) Attribute 06: Open Layout and Furniture Selection

1st floor, Room 131

7. What is the sustainability function of the library's open layout and diverse furniture selection?

Scavenger Hunt Competition: Take a selfie with your group at a minimum of three different pieces of furniture (+1 point each, total of 5 possible points)

Green Building (LEED) Attribute 07: Book Retrieval Systems

1st floor, Checkout computer station by main exit

8. What are the sustainability functions of the ASRS? _____

Scavenger Hunt Competition: Take a photo of a library computer displaying a book located in the ASRS (+3 points)

Green Building (LEED) Attribute 08: Daylight Harvesting and Occupancy Sensor Lighting

3rd floor, Lightwell (reading garden)

9. What are the sustainability functions of a lightwell? _____

10. What are the sustainability functions of solar shading? _____

Scavenger Hunt Competition: Take a selfie with your group in any library location that demonstrates daylight harvesting (+2 points each location, total of 6 possible points)

Green Building (LEED) Attribute 09: Energy Recovery - Water Stream

4th floor, Computer zone bathrooms

11. How does the design of the library's stormwater system contribute to the library's sustainability? _____

Scavenger Hunt Competition: Take a selfie with your group at any library water fountain (+2 points)

Green Building (LEED) Attribute 10: Green Roof and Cool Roof

4th floor, Green roof

12. Describe three major issues caused by the heat island effect. _____

13. What are the sustainability features of the library's green roof? _____

14. What are the sustainability features of the library's cool roof? _____

Scavenger Hunt Competition: Take a selfie with your group on the green roof (or at the door during the winter months) (+3 points)

Green Building (LEED) Attribute 11: Energy Recovery - Air Stream

Atrium floor, DeWitt Exhibition Space

15. What are the sustainability features of the library's HVAC (heating, ventilation, and air conditioning) system?

Scavenger Hunt Competition: Take a selfie with your group at any library air vent (+2 points)

Green Building (LEED) Attribute 12: Building Materials

Atrium floor, Room 030

16. How do the library's building materials meet and exceed the LEED requirements? _____

17. How did the library's builder address sustainability during the construction process? _____

Scavenger Hunt Competition: Take a selfie with your group in front of any wooden wall feature (+2 points)

Green Building (LEED) Attribute 13: Art in Green Buildings

Atrium floor, Roman Corinthian Capital art piece

18. What is the relationship between art and green building? _____

Scavenger Hunt Competition: Take a selfie with a piece of art (+1 point each, total of 10 possible points)

**Green Building (LEED) Attribute 14: Critiques of LEED, LEED 5.0, and Closing
Exit airlock between the Atrium and 1st floors**

19. What are three major critiques of LEED green building certification? _____

20. What are three ways in which LEED 5.0 will change to address critiques? _____

Scavenger Hunt Competition: Compile your photos into a zip folder, Google Drive folder, or similar and submit via Blackboard. Please be sure that the names of your groupmates are included in your submission.

21. Visit the LEED website and find the Version 2.2 LEED specifications that the library was built under, and the current LEED specifications. Compare the two versions and what you learned during the scavenger hunt, keeping in mind that in several instances the construction of the library went beyond the Version 2.2 LEED requirements.
- What are the major differences between the two LEED specifications?
 - In what ways does the library continue to meet the newest LEED specifications?
 - In what ways does the library not meet the newest LEED specifications?

[illegible]

Visit the LEED website and find the newest LEED specifications. Conduct an internet search to find another US-based green building certification process. Compare the specifications.

- [illegible]