

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. What is LEED certification, and how many levels of LEED certification are there?

3. How did GVSU determine which energy efficiency measures to include in construction of the library?

Green Building (LEED) Attribute 02: Green Spaces

1st floor, Main entrance, outside tables

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

5. What are the physical and mental health benefits of green spaces? _____

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

1st floor, Main entrance, outside tables

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

7. What are the co-benefits of public transportation beyond LEED certification? _____

Green Building (LEED) Attribute #4
Mechanical Systems – Plexiglass display

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

Green Building (LEED) Attribute 06: Open Layout and Furniture Selection
1st floor, Room 131

9. Throughout the library there are 29 different types of indoor seating. What is the purpose of this diversity in furniture?

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

Green Building (LEED) Attribute 08: Daylight Harvesting and Occupancy Sensor Lighting
3rd floor, Lightwell (reading garden)

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

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

Green Building (LEED) Attribute 10: Green Roof and Cool Roof
4th floor, Green roof

13. What is the heat island effect? _____

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

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

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

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

Atrium floor, DeWitt Exhibition Space

17. What are the current and anticipated relationships between air cooling systems and global climate change? _____

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

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

Atrium floor, Roman Corinthian Capital art piece

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

20. What are three benefits of art in buildings beyond sustainability? _____

Green Building (LEED) Attribute 14: Critiques of LEED, LEED 5.0, and Closing

Exit airlock between the Atrium and 1st floors

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

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