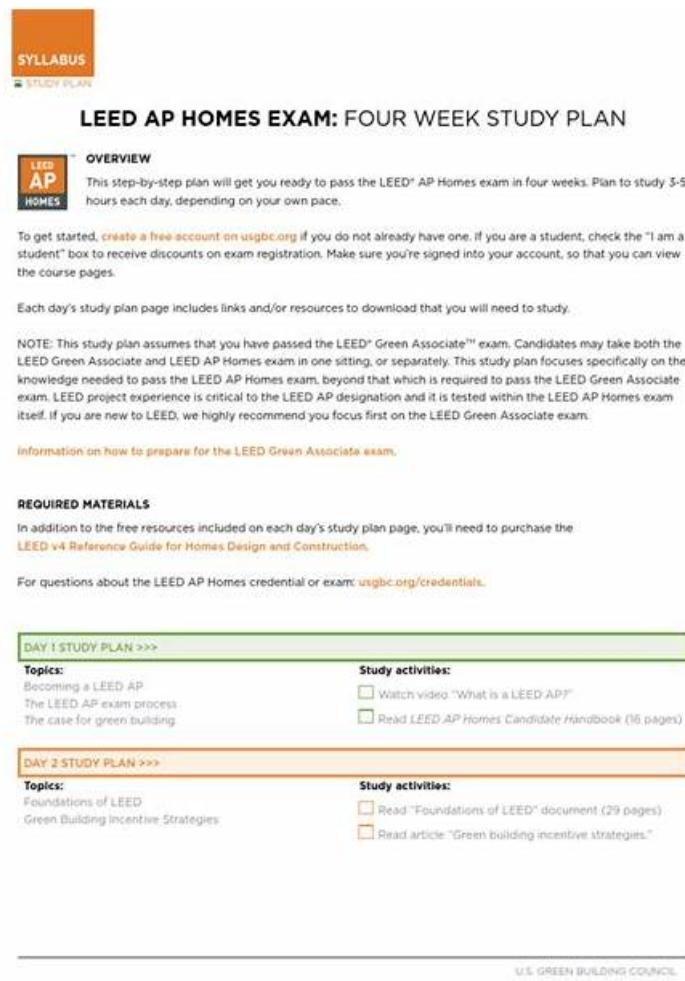


Free PDF Quiz 2026 LEED-AP-Homes: LEED AP Homes (Residential) Exam Pass-Sure New Cram Materials



SYLLABUS
STUDY PLAN

LEED AP HOMES EXAM: FOUR WEEK STUDY PLAN

OVERVIEW
This step-by-step plan will get you ready to pass the LEED® AP Homes exam in four weeks. Plan to study 3-5 hours each day, depending on your own pace.

To get started, [create a free account on usgbc.org](#) if you do not already have one. If you are a student, check the "I am a student" box to receive discounts on exam registration. Make sure you're signed into your account, so that you can view the course pages.

Each day's study plan page includes links and/or resources to download that you will need to study.

NOTE: This study plan assumes that you have passed the LEED® Green Associate™ exam. Candidates may take both the LEED Green Associate and LEED AP Homes exam in one sitting, or separately. This study plan focuses specifically on the knowledge needed to pass the LEED AP Homes exam, beyond that which is required to pass the LEED Green Associate exam. LEED project experience is critical to the LEED AP designation and it is tested within the LEED AP Homes exam itself. If you are new to LEED, we highly recommend you focus first on the LEED Green Associate exam.

[Information on how to prepare for the LEED Green Associate exam.](#)

REQUIRED MATERIALS
In addition to the free resources included on each day's study plan page, you'll need to purchase the [LEED v4 Reference Guide for Homes Design and Construction](#).

For questions about the LEED AP Homes credential or exam: [usgbc.org/credentials](#).

DAY 1 STUDY PLAN >>>

Topics:	Study activities:
Becoming a LEED AP The LEED AP exam process The case for green building	<input type="checkbox"/> Watch video "What is a LEED AP?" <input type="checkbox"/> Read <i>LEED AP Homes Candidate Handbook</i> (16 pages)

DAY 2 STUDY PLAN >>>

Topics:	Study activities:
Foundations of LEED Green Building Incentive Strategies	<input type="checkbox"/> Read "Foundations of LEED" document (29 pages) <input type="checkbox"/> Read article "Green building incentive strategies."

U.S. GREEN BUILDING COUNCIL

BTW, DOWNLOAD part of DumpsValid LEED-AP-Homes dumps from Cloud Storage: <https://drive.google.com/open?id=1CK4nThCYntrELAwPkbpYqHlaALqHRwg>

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knowledge. With USGBC LEED-AP-Homes exam dumps everyone can upgrade their expertise and knowledge level. By doing this the successful USGBC LEED-AP-Homes Exam candidates can gain several personal and professional benefits in their career and achieve their professional career objectives in a short time period.

USGBC LEED AP Homes (Residential) Exam Sample Questions (Q47-Q52):

NEW QUESTION # 47

Energy simulation software used for ENERGY STAR Homes certification is approved by the:

- A. Department of Energy (DOE)
- B. U.S. Green Building Council (USGBC)
- C. Environmental Protection Agency (EPA)
- D. Residential Energy Services Network (RESNET)

Answer: D

Explanation:

The LEED for Homes Rating System (v4) integrates ENERGY STAR Homes certification as part of the Energy and Atmosphere (EA) category, specifically for the EA Prerequisite: Minimum Energy Performance and EA Credit: Annual Energy Use. ENERGY STAR Homes certification requires energy simulation software to model the home's performance, and this software must be approved by a specific authority.

According to the LEED Reference Guide for Homes Design and Construction (v4):

EA Prerequisite: Minimum Energy Performance

Projects pursuing ENERGY STAR for Homes certification must use energy simulation software accredited by the Residential Energy Services Network (RESNET) to demonstrate compliance with ENERGY STAR performance requirements.

Source: LEED Reference Guide for Homes Design and Construction, v4, Energy and Atmosphere Prerequisite: Minimum Energy Performance, p. 112.

The Residential Energy Services Network (RESNET) is the organization responsible for accrediting energy modeling software used for ENERGY STAR Homes certification, such as REM/Rate or Ekotrope. RESNET establishes standards for Home Energy Rating Systems (HERS) and ensures software accuracy for energy performance calculations.

The LEED v4.1 Residential BD+C rating system aligns with this:

EA Prerequisite: Energy Performance

ENERGY STAR Homes certification requires the use of RESNET-accredited energy modeling tools to verify performance targets, such as HERS index scores.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

While the Environmental Protection Agency (EPA) oversees the ENERGY STAR program, it does not directly approve the simulation software; that responsibility lies with RESNET.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Prerequisite: Minimum Energy Performance, p. 112.

B). U.S. Green Building Council (USGBC): The USGBC administers LEED but does not approve ENERGY STAR software. It references ENERGY STAR requirements in LEED credits. Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Prerequisite: Minimum Energy Performance, p. 112.

C). Environmental Protection Agency (EPA): The EPA manages ENERGY STAR but delegates software accreditation to RESNET for consistency in HERS ratings. Reference: ENERGY STAR Residential New Construction Program Requirements, accessed via www.energystar.gov.

The LEED AP Homes Candidate Handbook emphasizes EA prerequisites and credits, including ENERGY STAR integration, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of RESNET's role.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Energy and Atmosphere Prerequisite: Minimum Energy Performance, p. 112.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

RESNET Standards, accessed via www.resnet.us, confirming software accreditation.

NEW QUESTION # 48

Looking at the attached table, a project team is aiming for three points in Water Efficiency Credit, Outdoor Water Use. The site contains a total of 57,500 ft² (5,342 m²) of softscape. If the plan has 8,000 ft² (743 m²) of turf grass, what is the minimum area of native or adapted landscape required to achieve the desired three points for this credit?

Turf grass area

Native or adapted plant area

Points

< 60%

> 25%

1

< 40%

> 50%

2

< 20%

> 75%

3

< 5%

> 75%

4

- A. 2,784 ft² (259 m²) of native or adapted plant area
- **B. 43,126 ft² (4,007 m²) of native or adapted plant area**
- C. 39,355 ft² (3,656 m²) of native or adapted plant area
- D. 38,967 ft² (3,620 m²) of native or adapted plant area

Answer: B

Explanation:

The LEED for Homes Rating System (v4) includes the Water Efficiency (WE) Credit: Outdoor Water Use, which awards points based on the ratio of turf grass (high water use) to native or adapted plants (low water use) in the softscape to reduce irrigation needs.

According to the LEED Reference Guide for Homes Design and Construction (v4):

WE Credit: Outdoor Water Use (1-4 points)

To achieve 3 points, the softscape must have less than 20% turf grass and more than 75% native or adapted plants, calculated by area.

Source: LEED Reference Guide for Homes Design and Construction, v4, Water Efficiency Credit: Outdoor Water Use, p. 98-99.

The LEED v4.1 Residential BD+C rating system confirms:

WE Credit: Outdoor Water Use

For 3 points, the turf grass area must be less than 20% of the total softscape, and the native or adapted plant area must exceed 75%.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

Calculation:

* Total softscape area: 57,500 ft² (5,342 m²).

* Turf grass area: 8,000 ft² (743 m²).

* Turf grass percentage: $(8,000 \div 57,500) \times 100 = 13.91\% < 20\%$ (meets requirement).

* Minimum native or adapted plant area for 3 points: $> 75\% \text{ of } 57,500 \text{ ft}^2 = 0.75 \times 57,500 = 43,125 \text{ ft}^2$.

* Compare options:

* A. 38,967 ft² (3,620 m²): $38,967 \div 57,500 = 67.77\% < 75\%$ (does not meet).

* B. 39,355 ft² (3,656 m²): $39,355 \div 57,500 = 68.44\% < 75\%$ (does not meet).

* C. 43,126 ft² (4,007 m²): $43,126 \div 57,500 = 75.00\%$ (meets > 75% requirement).

* D. 2,784 ft² (259 m²): $2,784 \div 57,500 = 4.84\%$ (far below 75%, does not meet).

The correct answer is 43,126 ft² (4,007 m²) of native or adapted plant area (Option C), as it meets the minimum requirement for 3 points.

The LEED AP Homes Candidate Handbook emphasizes WE credits, including outdoor water use, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of the table's criteria.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Water Efficiency Credit: Outdoor Water Use, p. 98-99.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming softscape ratios.

NEW QUESTION # 49

Minimum outdoor air ventilation in a LEED for Homes project is addressed by which of the following standards?

- A. ENERGY STAR for Homes
- B. IECC 2012
- **C. ASHRAE Standard 62.2-2010**
- D. ASHRAE Standard 90.1-2010

Answer: C

Explanation:

The LEED for Homes Rating System (v4) addresses minimum outdoor air ventilation requirements in the Indoor Environmental Quality (EQ) Prerequisite: Ventilation, which ensures adequate indoor air quality through proper ventilation design.

According to the LEED Reference Guide for Homes Design and Construction (v4):

EQ Prerequisite: Ventilation

Meet the minimum outdoor air ventilation requirements of ASHRAE Standard 62.2-2010, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings. This standard specifies minimum ventilation rates and other measures to provide acceptable indoor air quality in residential buildings.

Source: LEED Reference Guide for Homes Design and Construction, v4, Indoor Environmental Quality Prerequisite: Ventilation, p. 142.

The LEED v4.1 Residential BD+C rating system confirms:

EQ Prerequisite: Ventilation

Comply with ASHRAE Standard 62.2-2010 for minimum outdoor air ventilation rates in single-family and low-rise multifamily homes to ensure healthy indoor air quality.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is ASHRAE Standard 62.2-2010 (Option C), as it is the specific standard referenced for minimum ventilation requirements in LEED for Homes.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, Energy and Atmosphere Prerequisite: Minimum Energy Performance, p. 112 (references IECC for energy, not ventilation).

B). ENERGY STAR for Homes: While ENERGY STAR includes ventilation requirements, it references ASHRAE 62.2-2010, not a standalone standard. Reference: LEED Reference Guide for Homes Design and Construction, v4, EQ Prerequisite: Ventilation, p. 142.

D). ASHRAE Standard 90.1-2010: This standard applies to commercial buildings' energy performance, not residential ventilation. Reference: LEED Reference Guide for Homes Design and Construction, v4, no mention of ASHRAE 90.1 for residential ventilation.

The LEED AP Homes Candidate Handbook emphasizes EQ prerequisites, including ventilation standards, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of ASHRAE 62.2-2010.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Indoor Environmental Quality Prerequisite: Ventilation, p. 142.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming ASHRAE 62.2-2010.

NEW QUESTION # 50

Which of the following written materials must be provided to a new home occupant to comply with Energy and Atmosphere

Prerequisite, Education of the Homeowner, Tenant or Building Manager?

- A. Operations and maintenance manual
- B. Environmental Protection Agency (EPA) for Homes guidelines
- C. ASHRAE Standard 90.1-2006
- D. 1990 Americans with Disabilities Act (ADA) guidelines

Answer: A

Explanation:

The question references an "Energy and Atmosphere Prerequisite" for education, which appears to be a misnomer, as the LEED for Homes Rating System (v4) includes this requirement under the Innovation (IN) Prerequisite: Education of the Homeowner, Tenant, or Building Manager. This prerequisite ensures occupants receive materials to understand and maintain the home's sustainable features. According to the LEED Reference Guide for Homes Design and Construction (v4):

IN Prerequisite: Education of the Homeowner, Tenant, or Building Manager Provide an operations and maintenance manual to the homeowner or tenant, including product manuals for installed equipment (e.g., HVAC, water heating systems) and information on the operation and maintenance of green features.

Source: LEED Reference Guide for Homes Design and Construction, v4, Innovation Prerequisite: Education of the Homeowner, Tenant, or Building Manager, p. 188.

The LEED v4.1 Residential BD+C rating system confirms:

IN Prerequisite: Education of the Homeowner or Tenant

An operations and maintenance manual must be provided to occupants, detailing the function, operation, and maintenance of sustainable systems and equipment in the home.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is operations and maintenance manual (Option B), as this is the required written material to comply with the prerequisite.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, no mention in IN Prerequisite: Education.

C). 1990 Americans with Disabilities Act (ADA) guidelines: These are unrelated to LEED homeowner education requirements. Reference: LEED Reference Guide for Homes Design and Construction, v4, no mention in IN Prerequisite: Education.

D). Environmental Protection Agency (EPA) for Homes guidelines: While ENERGY STAR guidelines may be relevant, they are not required written materials for this prerequisite. Reference: LEED Reference Guide for Homes Design and Construction, v4, IN Prerequisite: Education of the Homeowner, Tenant, or Building Manager, p. 188.

The LEED AP Homes Candidate Handbook emphasizes IN prerequisites, including education requirements, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of the operations and maintenance manual.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Innovation Prerequisite: Education of the Homeowner, Tenant, or Building Manager, p. 188.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming education materials.

NEW QUESTION # 51

For a typical single-family home, plumbing fixtures may account for what fraction of the home's total indoor water use?

- A. 1/2
- B. 1/3
- C. 2/3
- D. 3/4

Answer: C

Explanation:

The LEED for Homes Rating System (v4) addresses indoor water use in the Water Efficiency (WE) Credit:

Indoor Water Use, which focuses on reducing water consumption through efficient plumbing fixtures (e.g., toilets, faucets, showerheads). Understanding the contribution of fixtures to total indoor water use is key to this credit.

According to the LEED Reference Guide for Homes Design and Construction (v4):

WE Credit: Indoor Water Use (1-6 points)

In a typical single-family home, plumbing fixtures (toilets, showerheads, and faucets) account for approximately two-thirds (2/3) of total indoor water use. Installing high-efficiency fixtures can significantly reduce water consumption.

Source: LEED Reference Guide for Homes Design and Construction, v4, Water Efficiency Credit: Indoor Water Use, p. 96.

The LEED v4.1 Residential BD+C rating system confirms:

WE Credit: Indoor Water Use

Plumbing fixtures typically represent about 2/3 of indoor water use in single-family homes, making their efficiency critical for achieving water savings.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is 2/3 (Option C), as plumbing fixtures account for approximately two-thirds of a typical single-family home's indoor water use.

Why not the other options?

* A. 1/3: This underestimates the contribution of plumbing fixtures, which are the primary indoor water users.

* B. 1/2: This is closer but still underestimates the typical proportion (2/3).

Reference: LEED Reference Guide for Homes Design and Construction, v4, WE Credit: Indoor Water Use, p. 96.

The LEED AP Homes Candidate Handbook emphasizes WE credits, including indoor water use, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of the 2/3 fraction.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Water Efficiency Credit: Indoor Water Use, p. 96.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming indoor water use proportions.

NEW QUESTION # 52

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