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GREEN CLASSROOM PROFESSIONAL GCP CERTIFICATE REFRESHER

ONLINE PROFESSIONAL COURSES LED BY THE
WORLD'S TOP SPECIALISTS

ONLINE TRAINING BY KRISHNAJI PAWAR

LEED AP(BD+C), GSAS CGP, GCP, ISO 14001

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MODULE
23

Summary and Resources

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Learning Objectives

- Introduction
- Getting Started with Green School Buildings
- What Does a Successful Green School Look Like?
- The DNA of Whole School Sustainability
- Teaching projects and problem-based learning
- Green School Management, Aesthetics, and Efficiency
- Design Principles for Whole School Sustainability
- Policy, Safety, and Diversity, Equity, and Inclusion in Green Schools
- Green Building Basics and Cost Benefits
- Healthy Ecosystems for Learning



INTRODUCTION

The GCP Certificate program equips pre-K-12 educators and school staff with knowledge and skills to create and maintain healthy, resource-efficient, and environmentally sustainable learning environments.

Key objectives include:

- Identification of Environmental Impacts: Understanding how construction materials, energy use, and classroom management practices influence the ecological footprint of a learning space.
- Integration of Health and Sustainability: Exploring how air quality, lighting, and acoustics affect learning outcomes and how sustainable practices can promote a healthier educational experience.
- Resource Efficiency: Gaining insights into resource management, focusing on energy conservation, water efficiency, waste reduction, and sustainable procurement practices.
- Implementation of Sustainable Practices: Learning how to create action plans, set measurable goals, and engage the school community in sustainability efforts.
- Advocacy and Leadership: Equipping educators with the skills to advocate for sustainable practices within their schools and communities.

Learning Objectives

- Green school buildings are dynamic learning environments.
- Operations and Maintenance for Whole School Sustainability
- Meaningful, purposeful, and engaging learning
- Sustainable Grounds & Transportation
- Indoor Environment—Air Quality
- Smart Cleaning & Integrative Pest Management
- Indoor Environment—Acoustics
- Water Efficiency and Quality
- Energy Efficiency—Lighting
- Plug Loads & HVAC Systems
- Materials and Resources
- Innovation & Conclusion
- Summary and Resources / GCP Quiz

INTRODUCTION

- Discusses the role of green schools in promoting environmental stewardship, enhancing student performance, and fostering community engagement.
- Emphasizes the importance of a holistic approach to sustainability, including physical infrastructure, curriculum development, and community involvement.

Green Schools and Classrooms

- Discusses characteristics of green schools and classrooms, including design, operation, and curriculum.
- Examines case studies of successful green schools, such as the Green School in Bali, Indonesia.

Green Building Basics & LEED

- Provides an overview of green building principles and the LEED certification process.
- Explains the LEED rating system, including categories of sustainable sites, water efficiency, energy and atmosphere, materials and resources, and indoor environmental quality.



SUSTAINABLE DESIGN IN EDUCATIONAL ENVIRONMENTS

Sustainable Sites

- Discusses sustainable site practices that minimize environmental impact.
- Explores principles of land use, including preserving ecosystems, mitigating urban heat islands, and incorporating green spaces.



Indoor Environmental Quality

- Discusses the significance of indoor environmental quality (IEQ) in schools and its link to increased student performance.

Green Cleaning & Integrated Pest Management

- Introduces sustainable cleaning practices and integrated pest management (IPM) as essential components of maintaining a healthy school environment.

SUSTAINABLE DESIGN IN EDUCATIONAL ENVIRONMENTS

Water Efficiency & Quality

- Explores strategies for enhancing water efficiency and quality in educational facilities.

Energy & Atmosphere

- Examines strategies for reducing energy consumption, including the use of renewable energy sources, energy-efficient appliances, and smart building technologies.

Materials & Resources

- Examines the selection and use of sustainable materials in school construction and renovation.

Innovation & Conclusion

- Emphasizes the importance of innovation in advancing sustainability in educational settings.



GREEN CLASSROOM PROFESSIONAL - GCP CERTIFICATE



- Provides green building education to prepare for LEED certification.
- Equips preK-12 educators and school staff to identify factors facilitating or hindering sustainable learning environments.
- Offers basic understanding of green buildings and the LEED green building classification system.
- The LEED Green Associate exam is a logical next step for those who have obtained the GCP.
- The global green building market is predicted to surpass \$700 billion by 2032, highlighting the need for environmentally conscious structures.

WELCOME TO BEYOND SMART CITIES

Our purpose is to create a sustainable future by offering high-performance, value-added solutions to environmental, mobility, and digital concerns, with the goal of benefiting both current and future generations by restoring community value.

“Any fool can make things bigger, more complex, and more violent. It takes a touch of genius – and a lot of courage – to move in the opposite direction.”
- Albert Einstein





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THANK YOU





HOW SUSTAINABILITY EVOLVED