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ONLINE TRAINING BY KRISHNAJI PAWAR

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MODULE
13

Meaningful, Purposeful, and Engaging Learning

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Meaningful, purposeful, and engaging learning are essential components of effective education. Meaningful learning connects new knowledge to existing understanding, making it easier for students to remember and apply the information later.

Learning Objectives

- Green school buildings are dynamic learning environments.
- Operations and Maintenance for Whole School Sustainability
- **Meaningful, purposeful, and engaging learning**
- Sustainable Spaces and Smart Transportation
- Energy Efficiency - Lighting
- Energy Efficiency - Plug Loads & HVAC Systems
- Water Efficiency and Quality
- Indoor Environment: Air Quality and Acoustics
- Smart Cleaning & Integrative Pest Management
- Materials and Resources
- Emerging Design and Technology
- Summary and Resources
- **SCS Quiz: Test Your Knowledge!**

INTRODUCTION

Meaningful Learning

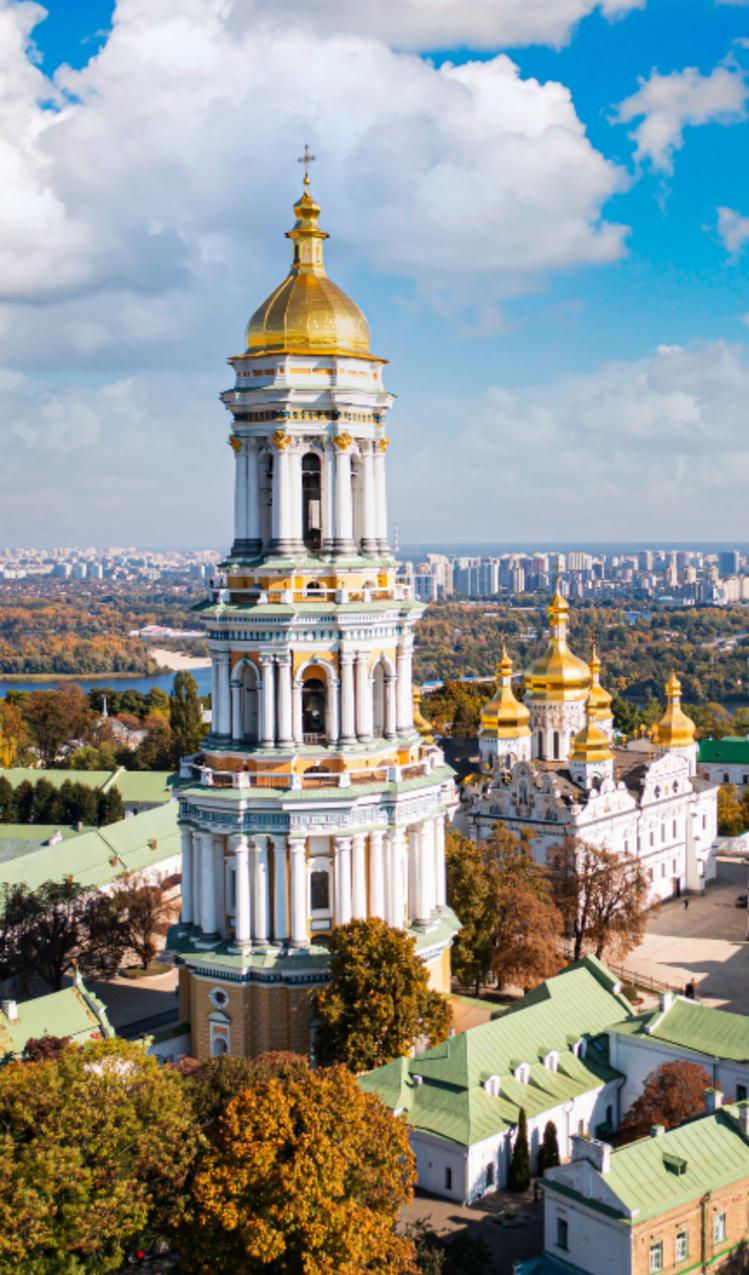
- Connects new knowledge to existing understanding.
- Helps students see the relevance of what they are studying.
- Likened to building a house with a strong foundation (existing knowledge).

Purposeful Learning

- Refers to learning with a clear goal or purpose.
- Encourages critical thinking about learning objectives and skills.
- Likened to setting a destination on a map before embarking on a journey.

Engaging Learning

- Captures students' attention and keeps them actively involved in the learning process.
- Involves hands-on activities, collaboration, and creativity.
- Likened to watching a thrilling movie.
- More likely to absorb and retain information when engaged.



INNOVATIVE TEACHING IN GREEN SCHOOLS: MEANINGFUL, PURPOSEFUL, AND ENGAGED LEARNING



- Green schools integrate environmental stewardship with comprehensive educational practices.
- The chapter explores the principles of meaningful, purposeful, and engaged learning within green school networks.

MEANINGFUL LEARNING

- Connects new information with existing knowledge base, fostering deep understanding and retention.
- Examples include hands-on fieldwork in a science class, allowing students to appreciate ecological interdependence.



PURPOSEFUL LEARNING



- Driven by students' intrinsic motivations and aligns educational objectives with real-world applications.
- Examples include project-based learning initiatives in a green school, such as designing a sustainable garden.

ENGAGED LEARNING

- Refers to the active participation of students in the learning process, fostering critical thinking, creativity, and problem-solving skills.
- Examples include participating in town hall meetings to discuss local environmental policies and fostering a sense of agency and responsibility.



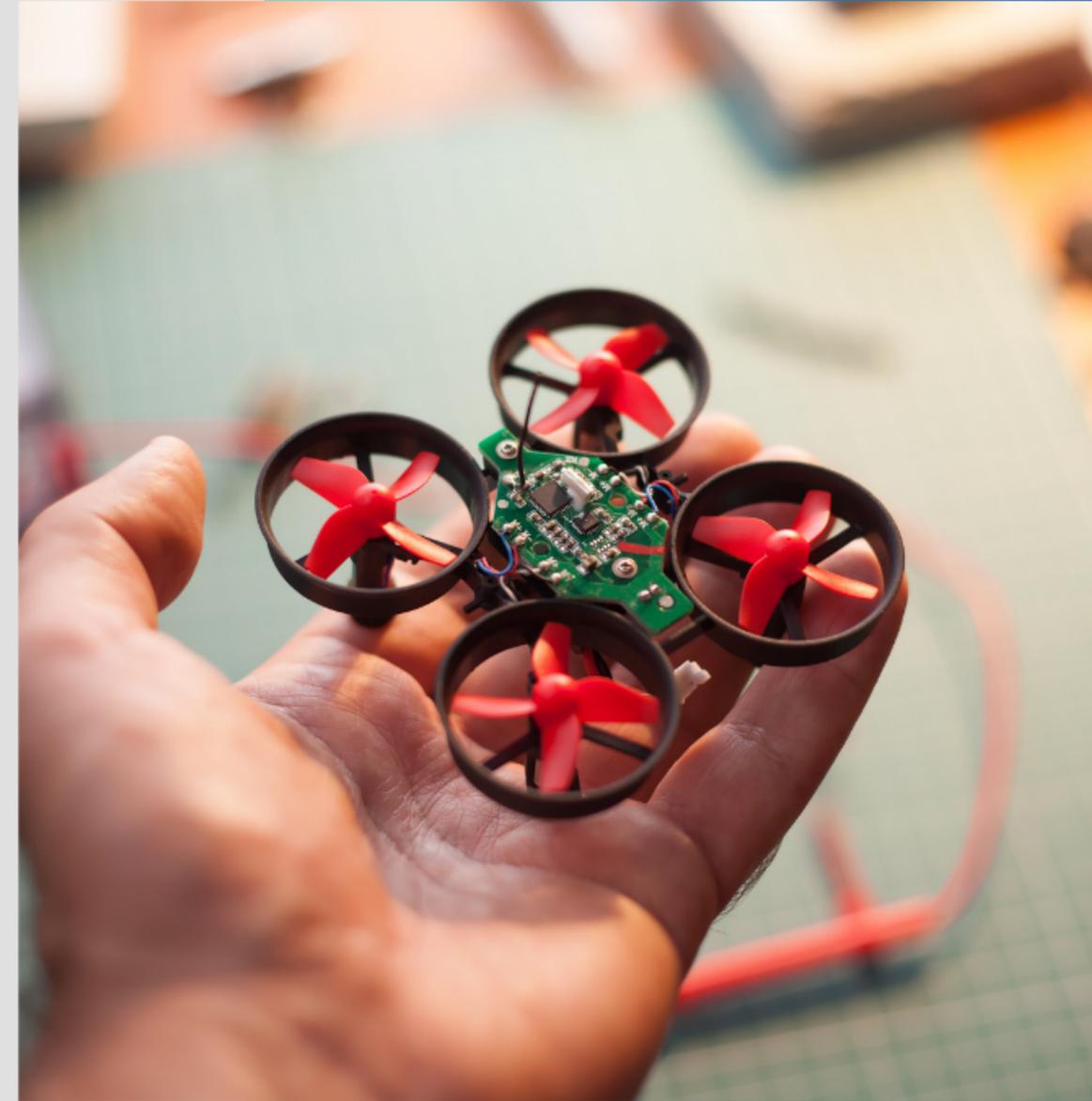
INNOVATIVE TEACHING IN GREEN SCHOOLS

Strategies include interdisciplinary curriculum, Project-Based Learning (PBL), outdoor education, and technology integration.



GREEN SCHOOL NETWORKS AND RECOGNITION PROGRAMS

- Green school networks facilitate the exchange of ideas, resources, and best practices among educators committed to sustainability.
- Recognition programs like the U.S. Green Building Council's Green Schools program can enhance a school's reputation and attract community support.



RESOURCES FOR GREEN SCHOOLS



- Curriculum Guides: Organizations like the National Wildlife Federation offer resources aligning environmental education with academic standards.
- Grants and Funding Opportunities: Foundations and government programs provide financial support for sustainability initiatives in schools.
- Professional Development: Workshops, webinars, and conferences focused on green education equip educators with the skills and knowledge necessary to implement effective teaching practices.
- Community Partnerships: Collaborating with local organizations, businesses, and environmental groups can enhance educational opportunities and provide real-world context for student learning.

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