



GREEN DEMONSTRATION ROOM

The Green Demonstration Room is a Dynamic and Interactive Educational Area

A main vision is to achieve similar projects in all of Lebanon

The Center for Educational Research and Development (CERD) that is affiliated to the Ministry of Education and High Education has worked during the recent years on the improvement of curricula addressing environmental education and sustainable development. However, the CERD, and the country in general, lack the practical demonstrations of these principles...Moreover; concepts associated with the environmental aspects of "green buildings" is relatively new in the country so there is a great need to raise awareness regarding this subject.

Summary:

This Project aims at establishing a Green Demonstration Room (GDR) at the premises of the Center of Research and Development in Jounieh. At the GDR, students from public and private schools from all the regions of Lebanon could visit and get acquainted with the concept of green buildings, the principles of energy efficiency, water conservation and other environmental issues.

Target group:

Students of public and private schools of all levels



A GREENER FUTURE



Partners:

CERD, Center for Educational Research and Development

LGBC, Lebanon Green Building Council

MF, Makhzoumi Foundation

GREEN DEMONSTRATION ROOM

GREEN BUILDINGS

A green building provides healthy living and working conditions with lower negative environmental impacts than a standard building. The goal of a green building is to minimize pollution and health hazards, optimize resource use and maximize the amount of recycled materials used during its construction and throughout its operational life.

A green building achieves this through sustainable construction practices by:

- Efficient use of energy, water, materials and other resources.
- Efficient application of renewable energy technologies.
- Protection of occupant health and improved productivity.
- Reduction of waste, pollution and environmental degradation.



ACHIEVE RESULTS THROUGH COLLABORATION

Goal and Objectives:

The main goal of the project is to raise awareness on the importance of energy efficiency, water conservation and pollution reduction through the introduction of the concept pertaining to Green Buildings.

The objectives are to:

- Illustrate issues relating to environmental quality in an interactive way.
- Demonstrate the concept and principles of Green Buildings and renewable energies.
- Develop the awareness of as many learners as possible of all ages and backgrounds regarding the importance of the principles of energy efficiency, water conservation and other environmental issues.
- Provide training sessions for trainers and science teachers of the GDR.



Create incentives to make immediate improvements.

SAVE WATER

Rainwater Harvesting
Water Recycle & Reuse
Water Conservation
Water Treatment



SAVE ENERGY

Energy Efficiency
Insulation
Lighting / Sensors



SAVE NATURE

Recycle/Reuse/Reduce
Save Trees / Health Hazards
Indoor Environmental Quality
CO2 Calculator/Waste



OUR WORLD NOW

Grey area
Environmental Problems
Film Projections



Stimulate

GREEN DEMONSTRATION ROOM

composting
containers

THE REAL WORLD

Solar Water Heater / Photovoltaic
Wind Turbine
Playhouse / Game
Green Wall/ Compost



RENEWABLES

Solar / Wind
Hydraulic
Geothermal
Biomass



FOR A BETTER WORLD

Sponsors Panel / Children's Promise
Exhibition Area



and promote actions with sustainability in mind.

double sided bench



The Center for Educational Research and Development (CERD) is a public institution with corporate identity characterized by financial and administrative independence. It is directly linked to the Minister of Education and Higher Education who practices guardianship authority on it.

The Purpose of establishing the center:

- Founding a central system to handle educational affairs by attracting and employing scientific capacities.
- Founding a formal educational reference for cooperation with similar institutions in other countries
- Improving the quality of education in Lebanon and working on the development and advancement of education

The Center for Educational Research and Development is concerned with educational affairs in general and the following in particular:

- Conducting various educational research studies and dissemination of the results in appropriate ways
- Conducting educational statistics and issuing publications that constitute essential references for researchers and decision-makers, and for those working in the educational field
- Developing educational plans for projects for the various stages of pre-university education
- Studying educational curricula, proposing appropriate decisions pertaining to them and following-up on the application of curricula across all schools
- Deciding on issues regarding school textbooks, publications and other educational tools
- Compiling educational documentation and organizing an educational central library
- Proposing technical and health conditions to be met in school buildings and equipment
- Training employees in various stages of pre-university education
- Training teachers who teach at pre-university stages



The Lebanon Green Building Council (LGBC) is a Not-for-Profit Non-Governmental Organization, founded in 2008 by a group of Lebanese architects, engineers and academicians to provide stewardship towards a sustainable built environment in Lebanon. The LGBC promotes, spreads and helps implement high performance construction concepts that are environmentally responsible, healthy and profitable. In fulfilling this ambitious vision, LGBC has been active in producing publications, making presentations at conferences, providing professional / educational workshops, implementing projects and contributing to the development of new standards and building laws in Lebanon.

Working in both practical applications and advocacy for improved standards in Lebanon, LGBC has been at the forefront of a movement towards more environmentally-friendly places in which to work, study, live and do business. LGBC addresses commercial, educational and legislative issues to achieve its goals.

Its membership body includes leaders and professionals in the construction industry and environmental management fields. It is led by an elected president and board of ten members.

LGBC is a member of the World Green Building Council (WGBC), the umbrella organization for green building councils across the globe. It is an active regional member in the WGBC – MENA Network as well.

LGBC joined efforts with the Ministry of Higher Education and the Makhzoumi Foundation to constructing the Green Demonstration Room. This is the result of the belief to transmit the sustainable culture to all people and the conviction that educating the younger generation is primordial to accomplish its objectives.



Makhzoumi Foundation (MF) is a National, Not-for-profit Non-Governmental Organization that was established in 1997 by Dr. (Eng) Fouad Makhzoumi, and chaired by Mrs. May Naamani Makhzoumi, out of a strong desire to help empower fellow citizens to achieve self-dependence and improved career prospects. MF mission is to mobilize, build partnerships and develop the capacities of the community in Lebanon while promoting targeted education, affordable healthcare, workable startups, sustainable development and secured livelihoods. It works through four programs: Vocational Training, HealthCare, Micro Credit, Development and The Relief and Humanitarian Services Unit.

The main objectives of the Foundation are: To train and educate with the skills needed for today's workforce; to increase the value of health services, enhancing its quality and strengthening its ability to deliver cost effective care for the well-being of people ; to improve the socio-economic status of entrepreneurs and "low to medium" - income employees through financial and non-financial services leading to decent work and economic growth; to promote civic engagement and to raise awareness of cleaner energy as well as responsible consumption and production to save the environment which is a valuable asset of our Lebanon on the road towards sustainable development; and to meet relief and humanitarian essentials to vulnerable communities.



GREEN DEMONSTRATION ROOM

Acknowledgments

The Green Demo Room was achieved with the joint efforts of the three partners including many dedicated LGBC board, volunteers and members as well as the cooperation and input from the MF and CERD Presidents and staff members.

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LGBC

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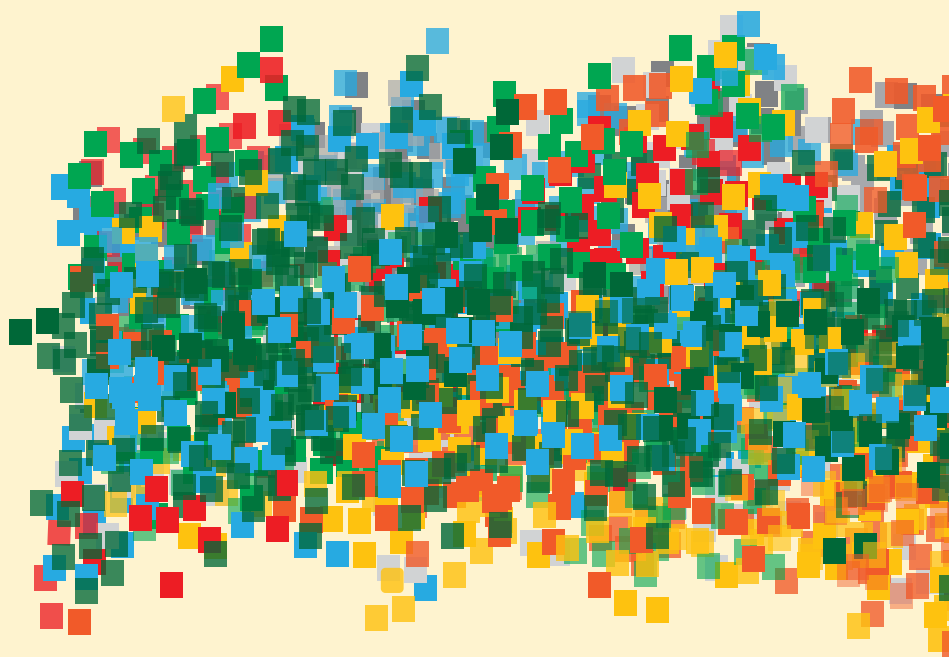
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**THE BELIEF
IN THE SIGNIFICANT EFFECT UPON
FUTURE GENERATIONS**



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