



Office-Principal

Govt. Jagannath Munnalal Choudhary Mahila

Mahavidyalaya, Mandla, Madhya Pradesh



Towards Excellence...

Phone/Fax: 07642-252536

Website: <http://www.gjmcgirlscollegemandla.in>

AISHE Code: C-33429

Email: hegjcgcman@mp.gov.in

College Code: 3502

Report

Title of the Programme: 15 Days Certificate Course on “Energy Literacy”

The 15 Days Certificate course titled as “Energy Literacy” was organized by the Department of Political Science under the guidance of Dr. Anjali Pandya, Assistant Professor (Political Science). During the inauguration of the certificate course the Principal of the Institution Dr. S.N. Khare and the Organizer of the course Dr. Aradhna Dubey (Coordinator, IQAC) were also present. Dr. Aradhna Dubey while welcoming the enrolled students in the course told them that Energy Literacy is the must have information for today’s generation for a better and sustainable future. She added in her speech that if we know about the wise use of the energy resources today only then we could be capable of gifting the wealth energy resources to the upcoming generation as the renewable sources of energy are depleting day-by-day.

During the course the significant points shared with the participants were as follows:

- ✚ Overview of Energy Sources (Renewable and Non-Renewable).
- ✚ Basic Concepts of Energy efficiency and conservation.
- ✚ Understanding Energy consumption patterns.
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Energy Literacy is an understanding of the nature and role of energy in the world and daily lives accompanied by the ability to apply this understanding to answer questions and solve problems.

An energy-literate person:

- ✚ Can trace energy flows and think in terms of energy systems.
- ✚ Knows how much energy they use, for what purpose, and where the energy comes from.
- ✚ Can assess the credibility of information about energy.
- ✚ Can communicate about energy and energy use in meaningful ways.
- ✚ Can make informed energy use decisions based on an understanding of impacts and consequences.

Energy Literacy: Essential Principles and Fundamental Concepts for Energy Education is an interdisciplinary approach to teaching and learning about energy. The framework identifies seven Essential Principles and a set of Fundamental Concepts to support each principle. The guide does not seek to identify all areas of energy understanding, but rather to focus on those that are essential for all citizens K-Grade 12. It presents energy concepts that, if understood and applied, will help individuals and communities make informed energy decisions.

The Energy Literacy document is the culmination of public listening sessions and thousands of experts from diverse fields of study contributing to a dialogue about what an energy literate person should know and understand.

Energy Literacy looks at energy through the lens of natural science as well as social science. Energy issues require an understanding of civics, history, economics, sociology, psychology, and politics in addition to science, technology, engineering and mathematics. A comprehensive study of energy and curriculum designed using Energy Literacy should be interdisciplinary and use a systems-based approach to fully appreciate the complexities of energy issues.

The intended audience for the Energy Literacy document is anyone involved in energy education. Intended use of the document as a guide includes, but is not limited to, formal and informal energy education, standards development, curriculum design, assessment development, and educator training.

Energy Literacy Principles

1

Energy is a physical quantity that follows precise natural laws.



2

Physical processes on Earth are the result of energy flow through the Earth system



3

Biological Processes depend on energy flow through the Earth System



4

Various sources of energy can be used to power human activities, and often this energy must be transferred from source to destination.



5

Energy decisions are influenced by economic, political, environmental, and social factors.



6

The amount of energy used by human society depends on many factors.



7

The quality of life of individuals and societies is affected by energy choices.



**Govt. J.M.C. Mahila
Mahavidyalaya, Mandla, M.P.**



**Department of Political Science
in collaboration with IQAC
organizes**

**15 Days Skill Based Certificate
Course on "Energy Literacy"**

Date:
02/12/2020-18/12/2020

Time:
12:00 Hrs-14:00 Hrs

Venue: Classroom
(Room No. 08)



Organizer:
Dr. Anjali Pandya
Assistant Professor (Pol. Sc.)



Coordinator:
Dr. Aradhna Dubey
IQAC Coordinator



Principal :
Dr. S.N. Khare





An energy conservation measure (ECM) reduces the energy consumption of a particular piece of equipment or a certain aspect of essential building services to reduce overall building energy use.

Best ways to conserve energy in daily life are as follows:

- ✚ Adjust your day-to-day behaviors to turn off devices and appliances when not in use.
- ✚ Purchase devices and appliances which consume less energy.
- ✚ Adapt smart power strips: Power or Energy is consumed when the appliances are not in use.

The course was wrapped up on 18.12.2020 (Friday) after the distribution of the certificates of the completion of the course to the 68 students enrolled in the course by Dr. Aradhna Dubey (Coordinator, IQAC) and the principal of the institution Dr. S.N. Khare.


Trainer:

Dr. Anjali Pandya
Assistant Professor
(Department of Political
Science)


Organizer:

Dr. Aradhna Dubey
Coordinator, Internal
Quality Assurance Cell


Principal

Govt. Jagadamba Choudhary
Mahila Mahavidyalaya, Mandla (M.P.)
Principal
Govt. J.M.C. Mahila
Mahavidyalaya,
Mandla, M.P.