

## Let the Spirit of Equiry Live Longer

Prof. V.M. Parvathamma Memorial Space Eco Literacy Library and Sky Lab

People Science Forum, PSF

"Panya Sadana" 173, 3<sup>rd</sup> A Main D Block, 3<sup>rd</sup> Stage Vijaya Nagar Mysuru 570030 INDIA

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*Fifty years ago, 20 million people took to the streets for the sake of the environment. It was the world's first Earth Day. This year, for the Earth Day 50th anniversary, millions will rise again... and this time change is inevitable.*

### Launch of a Virtual 10 Sunday course on Space Eco Literacy and Sky watch

For

One Parent/One Teacher/Guardian per student and 5<sup>th</sup> to 9<sup>th</sup> Std Students

Total Class ( 10 +10 )

#### Content of the Course

Week #	Date	Subject	Focus	Content
01	24 <sup>n</sup> May	Ecology and Health	History, Objectives	Earth day /WHO
02	07 <sup>th</sup> June	Space/Counter Space	ISRO/SWF/COSPAR	Self-reliance/defence
03	14 <sup>th</sup> June	Climate Action	Impacts/action	Best Practices
04	21 <sup>st</sup> June	Disasters 1900-2000	Community Empowerment	UNISDR
05	28 <sup>th</sup> June	Space Eco Literacy	EESS,SELC Model /ISU	PSF
06	05 <sup>th</sup> July	UNCED/UNSDG	Agenda 21/Goals	Action Plan
07	12 <sup>th</sup> July	City as an Ecosystem	Ecocity	IOBB/UNU
08	19 <sup>th</sup> July	Wholeness well being	Spiritual/ Fitness	Mahabodi/Zumba
09	26 <sup>th</sup> July	Community Action	Reporting/Compliance	Skill/Formats
10	02 <sup>nd</sup> Aug	Exo planets/Sky Watch	IAC/IAA/Sky Map	Life in Space

- WHO : World Health Organisation, SWF : Secure World Foundation, UNISDR: United Nations Disaster Management, EESS : Ecological and Environmental Studies by Students, SELC: Space Ecoliteracy Campaign, PSF: People Science Forum, UNCED : United Nations Conference on Environment and Development, UNSDG: United Nations Sustainable Development Goals, IOBB : International Organisation for Biotechnology and Bioengineering, UNU : United Nations University

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"The immediate priority are to halve global emissions by 2030, by scaling green solutions exponentially. We must reach a critical mass with the new compass direction to enable a virtuous circle of change. Then it is achievable.

– Johan Falk, Exponential Roadmap

#####Upasaki

The Future of Mankind will be determined by socio cultural imperatives rather than science and technology alone.

+ Prof. Satish Dhawan, Formerly Chairman ISRO

#### WEEK # 01 Methodology

One parents, teacher, guardian along with a student is a team ( Two Persons in a Team). The team will be given the topics on registration . The student and parent shall make focused study alone, or with each other or guidance from the facilitator in making outputs. At the end of the week shall submit a sketch, painting, story writing, report, note making with or without parent/teacher/guardian in any language on any one of the topics for the week.

## Detailed Syllabus

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Week # 01

Time : 168 Hours

24<sup>th</sup> May to 01 June 20

Duration : Seven Days

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Subject : Ecology and Health

Focus : Definition and Case Studies

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### Detailed Contents

Ecology : Definition, Ecological Principles, Examples of Ecosystem, Lake, Urban, Forest, Resources in Ecology

Lion hunting energy expenditure case study, Simple Energy Systems, Solar, Wind and Biogas

Health : Definition, WHO, Preventive health care, Bacteria, Viral, Bio Warfare, Nuclear Episodes , Emergency

Preparedness, UNEP- APPEL Model, Episodes and Case Studies of Pandemic events.

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### Focus

Earth day, 50<sup>th</sup> Year 22<sup>nd</sup> April 2020

Earth Day, 1<sup>st</sup> 22 April 1972

## EESS Model Mysuru India

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References online searches including home pages of

Earth Day, WHO, UNEP and PSF

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Assignments at the end of the seven days after spending 120 minutes

300 Words notes on any one of the key issues

( 100 words- Concept, 100 words -Status and 100 words -Proposed action at Individual and or family Level in any language )

### Key Issues

1. Ecology : Definition of Ecology
2. Ecological Principles,
3. Examples of Ecosystem, Lake, Urban, Forest,
4. Resources in Ecology.
5. Lion hunting energy expenditure case study,
6. Energy System Solar,
7. Wind Energy,
8. Biogas Energy,
9. Definition of health,
10. WHO.
11. Preventive health care,
12. Bacterial diseases ,
13. Viral diseases,
14. Bio Warfare,
15. Nuclear Episodes,
16. Community Emergency Preparedness,
17. APPEL UNEP Model.
18. Good practices seen in life styles.
19. Personally relevant issues
20. Case studies on reports appearing in print and electronic media
21. Any other related Issues on the Module.