



30th National Children's Science Congress, 2023

Focal Theme
**"UNDERSTANDING ECOSYSTEM FOR
HEALTH & WELL BEING"**

Supported by:
National Council of Science & Technology Communication (NCSTC), Dept. of Science and Technology (DST).


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What is NCSC?

- National Children's Science Congress is a platform for children to carry out small research activities at micro-level.
 - The seeds of this programme were planted in Madhya Pradesh by an NGO - Gwalior Science Centre.
 - In 1993 it was adopted by the **National Council for Science and Technology Communication (NCSTC), Department of Science & Technology (DST)**, Government of India for extending it to the children across the nation.
 - NCSC programme started in the State of Meghalaya in 1995.
 - **State Council of Science, Technology & Environment, Meghalaya** is the State Coordinating Agency of NCSC programme in the State of Meghalaya.
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Primary Objective

To provide a forum for children both from formal school system as well as from out of school to exhibit their creativity and innovativeness and particularly their ability to solve a societal problem using the method of Science.

1. To learn and understand ecology, economy and society and their inter relationships.

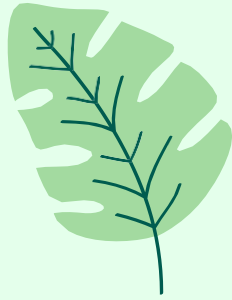
2. To apply scientific understanding in day-to-day decision-making

3. Motivate and engage the children for inquiry based learning exercise

Objectives

4. To design and develop approach/solution for tapping potentially and overcoming the gaps and challenges

5. To take initiatives for personal reflection and transformation to community and society





Focal Theme 2023

“UNDERSTANDING ECOSYSTEM FOR HEALTH & WELL BEING”

Sub Themes:


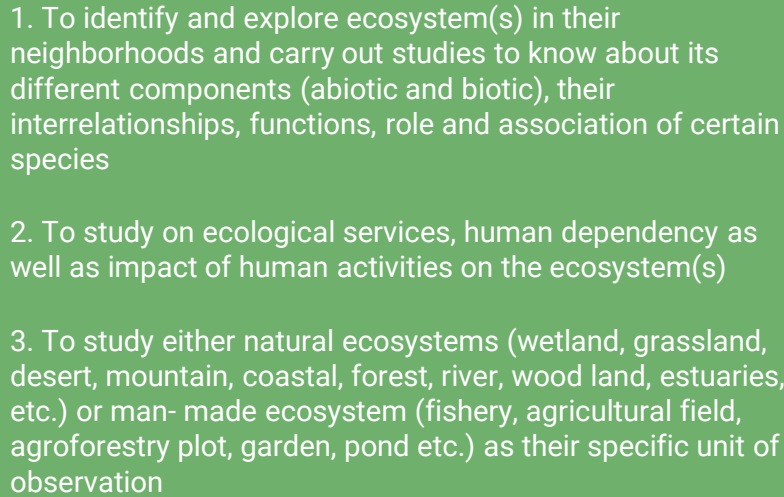


- (1) KNOW YOUR ECO SYSTEM
- (2) Fostering Health, Nutrition & well being
- (3) Social and Cultural practices for Ecosystem and Health
- (4) Ecosystem based Approach (EBA) for self reliance
- (5) Technological innovation for ecosystem and Health



Sub-theme 1



Know Your Ecosystem

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1. To identify and explore ecosystem(s) in their neighborhoods and carry out studies to know about its different components (abiotic and biotic), their interrelationships, functions, role and association of certain species
 2. To study on ecological services, human dependency as well as impact of human activities on the ecosystem(s)
 3. To study either natural ecosystems (wetland, grassland, desert, mountain, coastal, forest, river, wood land, estuaries, etc.) or man- made ecosystem (fishery, agricultural field, agroforestry plot, garden, pond etc.) as their specific unit of observation
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Proposed coverage

1. To make scientific inquiry about situation of health, nutrition and well-being in their localities own
2. To make efforts to identify ways and means to promote the situation ensuring health safety and security, nutritional security and wellbeing at individual, family and community levels.
3. Children can also work on food chain and food-web



Sub-theme 2



Fostering Health, Nutrition & well being





Sub-theme 3

Social and Cultural practices for Ecosystem and Health

Proposed coverage


To make scientific inquiry about the different cultural practices unique to the Region

- Festivals and feasts
 - Religious and spiritual practice
 - Medical treatment practices
 - Form of artistic express
 - Dietary practices, Culinary
 - Natural Resource Management
 - Housing and construction
 - Traditional Dress
 - Fabrics
 - Agriculture and Animal Husbandry
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Sub-theme 4

Ecosystem based Approach (EBA) for self reliance

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1. Natural Resources around us & their Management
 2. Agriculture & other eco-system based livelihood
 3. Food systems, Nutrition & food security
 4. Local level planning for climate change resilience, adaptation & disaster risk reduction

What the children can do:

1. To understand what ecosystem approach for self-reliance is
 2. To find strategies for the integrated management of land water & living resources that promotes conservation & sustainable use in an equitable way
 3. To study the Management & sustainable use of resources which can be looked from the point of view of traditional approach and scientific approach.
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Sub-theme 5

Traditional Knowledge System (TKS) for Sustainable Living

What the children can do:

1. To identify new Technologies that could provide valuable support to conservation
2. To develop consciousness about Human responsibility for maintaining the health of the fragile web of life of which we are all a part of
3. To study / identify Technologies that have the potential to transform the way we approach ecosystem restoration
4. To identify traditionally used appropriate technologies that have sustained us for generations through the knowledge acquired through millennia of interactions of the local people with their ecosystem and their lands
5. To work out strategies towards technological innovations



Who can Participate?


Eligibility criteria for participation

- It is open for children in the age group of 10 to 13 years and 11 months (Junior group) and from 14+ to 17 years (Senior group) as on December 31st of the year they participate.
- For children under *CWD group will have no restrictions of age. Usually VI to IX standard children will come under junior group and X to XII standard children under senior group, irrespective of their ages.



* CWD- Children With Disability





Steps in Participation of the Program

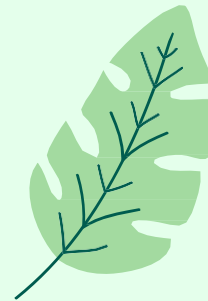
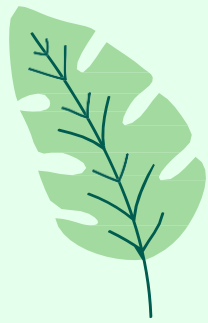
Participation in the Programme

- * Children in the age group of 10-17 years have to form groups comprising **of 2 (two) members** each based on two categories viz. **Junior Group** (10 - 13 years and 11 months) and **Senior group** (14 - 17years).
- * The project groups will have to undertake a **result-oriented micro-level research project** related to the theme of the year.
- * The project/research work of the children follows a simple 4 (four) step procedure:
 - a. *Identification of a societal issue in the immediate surrounding*
 - b. *Problem solving attempts to tackle the issue which include collection and representation of data*
 - c. *Drawing of conclusions and record keeping/documentation*
 - d. *Oral presentation*



- District / Block level will be held between the **first week and the 3rd week of October, 2022**
- Selected projects will further participate in the state level CSC
- The State -level Congress will be organized in the first week of November 2022 & best projects will then participate at the National level.

Different Stages of Implementation of NCSC, 2022 in Meghalaya





For queries kindly visit or contact the office of the
State Council of Science, Technology and Environment,
Meghalaya at the following numbers:

Smti C.M Marak | [8414084010](tel:8414084010)

Shri L.C Diengdoh | [9615959820](tel:9615959820)

Or write to stcouncilmegh@gmail.com

For more details kindly visit
www.ncsc-india.in

State Council of Science, Technology and Environment, Meghalaya
State Housing Financing Cooperative Society Ltd., Nongrim Hills,
Behind Bethany Hospital, Shillong -793003

