



Monthly Report Of Innovation Hub Arunachal Pradesh Science Centre For July 2022

Submitted to:
Innovation Cell
National Council of Science Museums
Ministry of Culture, Govt. of India
33, BLOCK-GN, SECTOR-5
Bidhan Nagar, Kolkata, 700091



Submitted by:
Arunachal Pradesh Science Centre
A.P State Council for Science & Technology
Department of Science & Technology
Government of Arunachal Pradesh
IG – Park, Itanagar - 791111

SUMMER SCIENCE CAMP 2ND EDITION

8 DAYS: 5TH JULY TO 14TH JULY

The camp aimed to teach kids about science, technology, math, crafting, astronomy, etc. These camps will give children an opportunity to continue their education and explore different concepts which they may not learn about in their classrooms. In just one summer, kids discover not only their passion for learning but perhaps even their future career path. The summer science camp conducted by Arunachal Pradesh Science Centre fosters creativity and innovation and encourages experiments and perseverance to ensure the participants have a deeper learning. Total 16 participants.

5th July: Nature Painting

By working with natural objects, children are exploring their different textures, shapes, and colours, all while building fine-motor skills. At the same time, painting with different items-say, a twig and a leaf-gives kids an intro to the scientific concept of cause and effect.



6th July: Microgreen

Harvesting and various process includes in harvesting of microgreen was done by the children. Unlike larger herbs and vegetable that take weeks or months to grow, microgreens can be harvested and eaten a week to 10 days after the leaves have developed. It requires lesser space, minimum maintenance and it have much more nutritional value than normal vegetable.



7th July: Astronomy

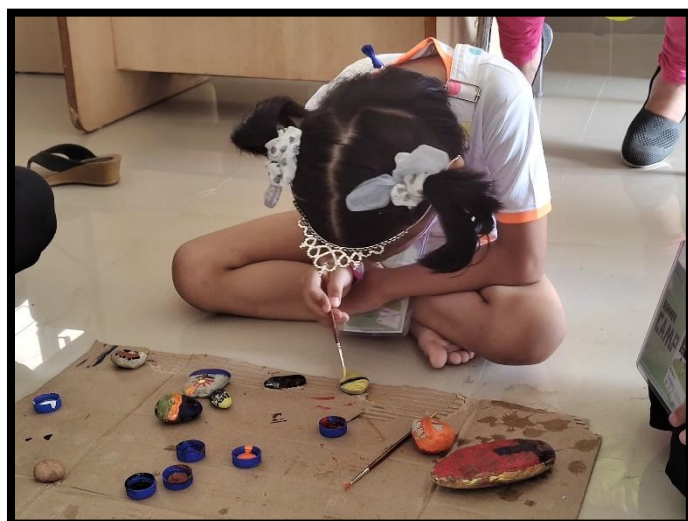
Astronomy can be used to illustrate many concepts of physics, such as gravitation, light, and spectra. Having a background in basic astronomy can help kids to more fully comprehend classical literature that refers to stellar observations. Also, the history of mathematics is inextricably bound to the history of astronomical studies. By thinking of the possibilities of what can exist in the infinite miles beyond our planet, they can push their imaginations and ignite their natural curiosity.



8th July: Physics

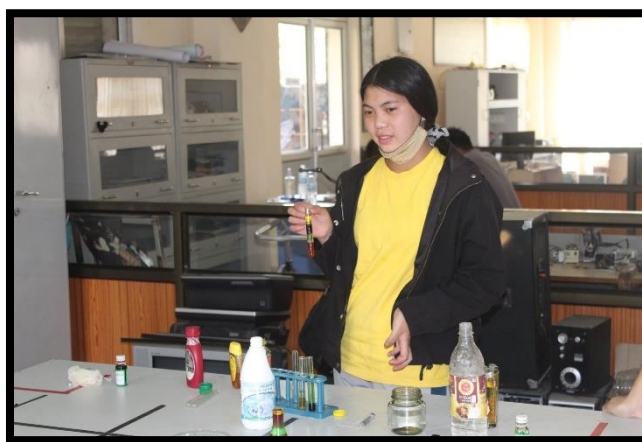
The activity was to understand the concept of force Physics. The goal of this activity was to use a homemade single-beam balance to directly measure the surface tension of a liquid. The experiment was done using a single beam balance to measure the force exerted by surface tension on a needle, floating on the surface of the water. The needle was attached to the balance, and participants measured the amount of force required to pull the needle out of the water. The surface tension of the water provides the resistance. From the measurements, participants were able to calculate the surface tension of water.

stone/Pebble art and Origami was also conducted as a part of Fun activity learning. In a world addicted to screen time and gadgets, such activities are tangible, portable and comes with the ability to de-stress and uplift. Such activities excite other modalities of learning. It improves spatial visualization skills using hands-on learning. Such skills allow children to comprehend, characterize, and construct their own vernacular for the world around them.



9th July: Chemistry

Experiment on determining the density of a liquid, acid & base solution by using natural indicator was conducted as a part of the activity. To perform the experiments, kitchen materials such as honey, strawberry syrup, dish soap, vegetable oil, food colour, water, turmeric powder, surf excel, vinegar etc., were used. Participants also visited Science gallery and Dino Park as a part of fun learning activity.



12th July: Electrical & Paper Craft

DIY Paper craft with non-woven bags and basic electrical circuit was built to understand the electrical flow in household wiring. DIY activities as such improves fine motor skills, develops imagination, inspire critical thinking and encourages social skills.



13th July: Bamboo Craft

The main objective activity was to make the participants aware of the importance of bamboo crafting and indigenous craftsmanship in the state. The activities develop fine motor skill, boosts counting and pattern recognition, encourages critical thinking and improves creative mindset.

Arunachal Pradesh has a vibrant craft tradition and every tribe excels in craftsmanship. Cane and bamboo are an important craft of this area, and the workmanship is of a very high order. Some of the articles made from cane and bamboo are, basket, mats, cane belts, jewellery etc. The tribal population of the state also uses the bamboo products to make household utensils, furniture, dwelling units, bows, arrows, spears, dibbles, hunting and fishing traps etc.



14th July: Treasure Hunt

Final activity of the camp was the "Treasure Hunt". A treasure hunt is all about looking for something and then finding it. An outdoor treasure hunt game encourages children to be active and to explore. This is one activity that compels kids to be absolutely focused. Following directions, navigating spaces, reading, and comprehending clues or maps or instructions teach kids many necessary life skills. As a result, their listening skills and concentration power both gets enhanced. Playing this game requires kids to work in a team, solve puzzles together, spanning out to look for clues and find the treasure. It teaches them to interact with each other, understand what the other is saying and try to solve the clues together to win the game as a team. It trains them to communicate effectively, act responsibly in a team, and improve the very important requisite of social skills.

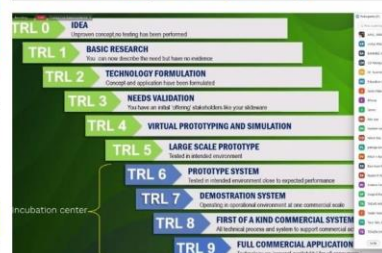
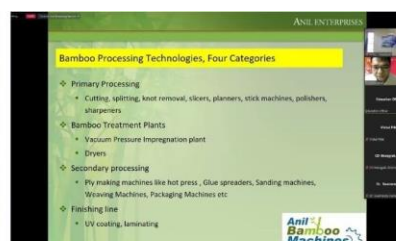




7th July: Vigyan Utsav

Arunachal Pradesh State Council for Science and Technology successfully conducted Vigyan Utsav – Azadi ka Amrit Mahotsav, STI Ecosystem for Atmanirbhar Bharat on the theme Atmanirbhar and Industry. To celebrate the Mahotsav, it has been decided by the Department of Science & Technology, Govt. of India, New Delhi to instigate the One Month One Theme initiative.

Total participants: 32



8th July: Ideation & Electronic Workshop

A workshop on ideation and electronics was conducted by Innovation Hub, Arunachal Pradesh Science Centre at Govt. Upper Primary School, I.G Park Itanagar. The main objective of the programme was to inculcate the young minds about innovation and basic electronics as per their syllabus to encourage them for a positive future in the field of science & technology.

Total Participants: 30



21st July: Ideation & Electronic Workshop

A workshop on ideation and electronics was conducted by Innovation Hub, Arunachal Pradesh Science Centre at Govt. Upper Primary School, Damsite, Naharlagun. The main objective of the programme was to inculcate the young minds about innovation and basic electronics as per their syllabus to encourage them for a positive future in the field of science & technology.

Total Participants: 07



30th July: Ideation & Electronic Workshop

A workshop on ideation and electronics was conducted by Innovation Hub, Arunachal Pradesh Science Centre at Govt. Higher Secondary School, Doimukh. The main objective of the programme was to inculcate the young minds about innovation and basic electronics as per their syllabus to encourage them for a positive future in the field of science & technology.

Total Participants: 42



Individual membership	73
Institutional membership	03

Total Program Participants	:127
General total visitor	:1186
Cumulative total visitor	:30779