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CHAMAN BHARTIYA SCHOOL

Chaman Bhartiya Connect

Chief Editor - Pallavi Joshi

DIRECTOR'S MESSAGE, MARCH 2022

BALLOON SATELLITE LAUNCH

On February 27, Chaman Bhartiya School launched a high- altitude balloon satellite in the early morning at 3:45 am at the Center for Research and Education in Science and Technology (CREST). Grades 6 and 7 were briefed about the payload during school hours. They have spent 33 sessions to complete the payload. They built the entire payload in-house with the support of teachers specialising in space education.

The students were taught the basics of electronics, physics, mathematics and space education to understand the entire process of the project. The objective behind the launch is to build a scientific payload that can collect pollution radiation data through sensors and cameras and send a biological experiment to near space (25-30 km). This space program is designed to facilitate the development of leadership competencies such as problem-solving and collaboration.

The balloon crossed the Troposphere layer of the earth's atmosphere, and the flight duration was for 4 hours. The payload measured the pollution level and background radiation during the flight and recorded them for later study. The technical team tracked the balloon through GPS trackers, and it was estimated that the payload had crossed the troposphere and descended on Narsapura lake and then proceeded towards Kolar. The payload was retrieved & analysed by the students.

CENTER OF CREATIVITY AND INNOVATION

The CBS Space education program demonstrates important elements ideas in our **"We Lead"** curriculum and pedagogy. We believe that students learn deeper when they apply scientific concepts to the world outside the school. We want our learners to understand problems in the real world and create solutions for those issues.

Design thinking is a method and a model that guides learners through the journey from identifying a problem to creating a solution. The method includes the following steps:

1. Empathise
2. Define
3. Ideate
4. Prototype
5. Test.

We implement this model in subject-based projects and interdisciplinary projects.

We are now designing learning spaces equipped for every stage in the design thinking model. We call it the Center of Creativity and Innovation (CoCai), and it will be ready for our next academic year. There will be a variety of spaces for creation: LEGO land, carpentry, robotics, space education, coding and app creation, gardening, audio and video editing, arts and craft, dance and drama. There will be a learning space for any design the learners need in their projects.

IB CANDIDACY
It gives me great pleasure to inform you that:
Chaman Bhartiya School is a candidate school for the IB MYP Program.

Warm Regards
Allan Andersen
Director, Chaman Bhartiya School.

GRADE 2 STUDENTS UNIQUE ‘CEREALS VS PULSES’ EXPERIMENT

Grade 2 learners recently conducted a biology experiement where they compared the growth of cereals to pulses. By growing each of these in similar conditions, they observed the changes in their respective leaves, stems, root and branches. Through these experiments, the goal is to allow learners to apply the theoretical concepts they learn in the classrooms to real life activities. Their observations were presented to the facilitators (pictures below).

ALLAN ANDERSEN FEATURED IN THE INDIAN EXPRESS AND TIMES OF INDIA

Our Director Allan Andersen commented on the use of ed-tech platforms for young students amongst other industry stalwarts at the Indian Express . Allan stated that he welcomes the use of technology to increase accessibility for students but emphasised that education must also encompass the strong interpersonal relationship between facilitators and students.

Allan was also featured in the Times of India sharing his views on the PM eVidya initiative and how it could impact the future of digital education.

SPECIAL GUEST SESSION ON LOCAL GOVERNANCE

Recently, as part of one of our Problem Based Learning sessions, a workshop was conducted by Prarthana Ramesh, head of Civic Literacy Programe at Balajanagraha, an NGO. The Grade 1-6 learners were given an understanding on the functioning of BBMP and on local governance. This allowed us to provide our learners with a deeper insight into civic issues.