

## Senior Secondary Department Projects (2020-21)

### ONLINE CLASSES

Undeterred by the pandemic, the school took on unprecedented challenges using various online tools to ensure that the teaching learning process continued unhampered. Teachers themselves became learners and overcame the obstacles of technology. Online Classes began soon after the lockdown was imposed from 25<sup>th</sup> of March, 2020. E-lessons were shared in the form of slides and presentations for a week till the teachers equipped and trained themselves in online tools. Live lessons across all classes began from 1<sup>st</sup> April, 2020.

### ONLINE TOOLS

The following online platforms are being used by teachers:

- **Google Meet** for Live Classes
- **Google Classroom** for sharing presentations, videos, quizzes and assignments
- **Google Forms** for Online Assessment for all classes across III – XII
- **Colab Jupyter Notebook** for Computer Science and IP practicals
- **Jamboard** as White board for teachers
- **Microsoft Teams** for Artificial Intelligence sessions for classes VII to X and online teaching for classes I-V
- **One drive** for collaboration of Holidays Homework
- **Microsoft Forms** for online surveys and feedback forms.

### VIRTUAL LABS

- **Science Practicals for students across IX – XII are conducted using online virtual lab application – OLabs.** This feature has enabled students to access various labs virtually during lockdown . In addition to OLabs, students have explored online simulations on **Phet Colorado and Ophysics** websites.
- **GeoGebra** is an interactive geometry, algebra, statistics and calculus application, intended for learning and teaching mathematics. Teachers of Mathematics department are using GeoGebra for classes IX- XII for teaching topics like Number System, Triangles, Functions etc.

### ONLINE ASSESSMENT

The need for **Formative Assessment** right now is particularly critical because learning needs to take place outside of the physical classroom and teachers need to understand whether students are absorbing the content that is being delivered to them. Apart from conducting online tests after each topic/chapter, **Formative tests, including objective and subjective questions, were held as per the following schedule:**

- **2<sup>nd</sup> June to 16<sup>th</sup> June class XII.**
- **Online retests were conducted for students detained in class IX and XI as per CBSE ruling.**
- **25<sup>th</sup> July to 5<sup>th</sup> August class XI.**
- **Online Assessment for classes VI-X conducted from 1<sup>st</sup> June to 5<sup>th</sup> June 2020.**
- **Weekly Tests for classes III to V have commenced on 25<sup>th</sup> July, 2020.**

## **REMEDIAL CLASSES**

Remedial Instruction becomes very important in times like these. It helps address learning gaps in learners. Special remedial classes are being organized everyday after school instruction time is over. All students who are academically weak or have frequent absence or attention issues are part of these classes.

## **VIRTUAL PARENT TEACHER MEETING**

A one-to-one **Parent Teacher Meeting** was held in the first week of May across all classes to form a connect with the parents, understand their concerns and give a feedback with respect to their ward's participation and performance in the online classes. In addition, teachers make '**Care Calls**' to parents of all classes from Pre-School to class XII.

## **CARE AND CONNECT**

**Care and Connect** is a beautiful initiative taken by the Bal Bharati fraternity to maintain a regular connect with all the stakeholders. Through this enterprise, innovative ideas are shared with the parents on how to engage their child, both at an individual level and together as a family during the lockdown phase. Some of the areas covered are :

- Developing Empathy
- Exploring Within
- Strengthening family as an anchor
- Nurturing Interests

## **CBSE ACTIVITIES**

<b>Name of the Activity</b>	<b>Month</b>	<b>Classes</b>
Ek Bharat Shreshtha Bharat Activity <ul style="list-style-type: none"><li>• Virtual Tour</li><li>• Creation of Newsletter</li><li>• Study of Cuisines</li><li>• Study of Monuments of Sikkim and Delhi</li></ul>	June 2020	PP - XII
Art Integration Activity <ul style="list-style-type: none"><li>• Study of basic forms of cell using clay.</li><li>• Pixel Art based on different Indian Art forms</li><li>• Brochure making on history of Madhubani Paintings</li><li>• Sketching and painting of monuments on graph paper</li></ul>	July 2020	III - XII
SEWA Activity <ul style="list-style-type: none"><li>• Making of masks</li></ul>	June 2020	IX and X

The school has become a virtual lifeline endeavouring to provide students a social network, along with a sense of continuity, purpose, growth and of belonging to a larger community. All efforts have been made to keep students active and motivated by adding color, music, joy and even surprise by initiatives like:

- **Critical Thinking Worksheets, 'Solve to Evolve'** and special Vocabulary building activities in '**Word Pursuit**' which are given to students every weekend.

- **I Think, So I Am** worksheets that promote independent and critical thinking are done fortnightly in classes XI and XII.

## INITIATIVES

- **Library Activities** are planned for students and links of apps that offer a plethora of audio books and e-books are being shared with them in order to foster the reading habit.
- The **HT School Edition**, the **e-paper**, is being shared with students and parents on Class WhatsApp groups.
- Our **Art department** has been preparing short video-based lessons, explaining how to create beautiful pieces of art and craft.
- **Meal Planning Lessons** are shared with students every weekend to cater to their creativity, keep them occupied and to allow them to contribute in the domain of kitchen.
- The **Sports instructors** have been sharing videos with students, wherein they are performing easy-to-do exercises and yoga with the aim to help students and their family members to stay fit and healthy while at home.
- The **Music Department** has been disseminating the knowledge of Music to children through its crisp video lessons, detailing the nuances of playing various instruments.
- Our **Dance Department** have been honing the aesthetics and dancing skills of students through their elaborate videos on various dance forms such as Bharatanatyam, Kathak, Kuchipudi and contemporary among many others.
- **Household Task weekend activities** like singing, dancing, spending time with their grandparents, watering the plants, doing small household tasks are given to the children in the Pre Primary classes.
- The Primary Department introduced '**Staycation**' - a video guiding and encouraging students to plan a vacation at home during the summer break.
- The Prefectorial Board took an initiative '**Maa ko Salaam**' - **A Tribute to Mothers**', offering a platform to the students to showcase their feelings for their mother and organised a series of activities on Mother's Day.
- The Prefectorial Board shared a motivational video '**FIR MUSKURAYEGA INDIA**', showcasing their involvement in various activities during the lockdown period. It was a novel effort made by them to make their viewers smile and find ways to be happy.
- **Maalik Sambhal Lena**, a motivational video prepared by the students of class XI and XII was shared across all departments with the parents and was highly appreciated.

## ALUMNI INITIATIVES

The **Bal Bharati Old Student Association (OSA)** came forward to lend a helping hand in this pandemic situation by offering its support to those who are needy. The Alumni provided a meal a day to our Class 4 employees/support staff who were on duty during the lockdown period.

**Our Alumni launched an empowering initiative for students to help them navigate the path to success in their fields of interest.**

**'Men and Women of Substance'** was born out of the shared passion across the alumni community to enable the students of our school to achieve greater heights by sharing their struggles and achievements. The first season of the initiative saw the coming together of distinguished alumni of our school across a

diverse range of professional fields including CA and forensics, branding and advertising, healthcare, engineering, and the medical field.

#### **Men and Women of Substance- An empowering initiative by the School Alumni**

##### **Season 1**

- **Webinar 1 – CA and Forensics – The what and the how of it? By: Mukkul Aggarwal (Batch of 1996)- CA and Forensic Audit Expert**
- **Webinar 2- Engineering to being a Healthcare entrepreneur –By: Saurabh Bansal ( Batch of 2006)- IIT/IIM Grad and Founder Director Unexo Life Science Pvt. Ltd.**
- **Webinar 3- Becoming a Doctor and a Scientist in Nanotechnology- By: Shrey Sindhwani (Batch of 2006) MD-PhD at University of Toronto**
- **Webinar 4- Path to become a Legal Eagle –By: Arijeet Mukherjee (Batch of 2006) Principal Associate at Cyril Amarchand Mangaldas and Tishta (Batch of 2014) BA LLB from NLU, Delhi**

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##### **Season 1**

- **Webinar 5- A career with the big oil companies as a Geoscientist- By: Shraddha Chatterjee (Batch of 2009) – Emirates Society of Geoscientists, Delhi University Gold Medalist and IIT Kharagpur**
- **Webinar 6 – An Insight into the World of Branding and Advertising – By: Gunjan Malhotra (Batch of 1997) An experience of over 2 decades with brands like Nestle, Dabur and the likes.**
- **Webinar 7- Medical Oncology – By: Dr. Devavrat Arya (Batch of 1996) Principal Consultant Oncology at Max Hospital Saket and Shubham Sahni (Batch of 2014) MBBS Gold Medalist from AIIMS and Pursuing MD at AIIMS after cracking AIR 7**

#### **CBSE Initiatives**

The Ek Bharat Shreshtha Bharat programme initiated by CBSE is an active part of our curriculum across all departments. Various activities are undertaken on a regular basis to help children develop an understanding of the diverse cultures in India, promote the spirit of national integration and induce a sense of responsibility and ownership for the nation as a whole.

- **EK BHARAT SHRESHTHA BHARAT PROGRAMME**

Topic	Class	Details
Sikkim- 'A Paradise'	XI & XII	A speaking activity was conducted on various aspects such as its culture, history, food, art etc.
Travel packages for Kullu-Manali	XI XII	Self composed poem on theme 'Rain'

#### **• NATIONAL CYBER SECURITY AWARENESS MONTH**

October is observed as National Cyber Security Awareness Month (NCSAM) globally. It is important to continue to raise awareness about the importance of cyber security across our nation. Students across all classes were encouraged to protect their part of cyberspace with emphasis on personal accountability. Various activities were conducted in accordance with NCSAM.

- Creating Posters
- Making Presentations
- Cyber Safety Quiz
- Story Narration
- Group Discussion
- Poem / Song Composition
- Colouring
- Skit
- Video Making
- Collage Making

• **Virtual Assemblies** are conducted across all departments for the students, who attend the same in their school uniforms. It gives them a sense of belongingness towards one another and the school and also promotes their mental health. These assemblies impart discipline in their lifestyle and encourage the School Spirit.

• **A Weekly News Bulletin** is presented across classes, in which maximum number of children participate. The students not only present the main news of the days gone by, but also debate on current topics of interest. Some children showcase new ideas and experiments they may have done during the period.