

Projects (2018-19)

Google Classroom – A digital initiative towards 21st century learning

Google Classroom Program has been started by Ms. Preeti Khanna - PGT Computer Science, who is a Certified Google Educator and a Certified (Microsoft) MIE Expert. Google classroom is a web service developed by Google for schools that aims to simplify creating, distributing and grading assignments in a paperless way. This also is the first step towards flip learning where the students can learn at their pace and not miss assignments even if they miss school. 46 students of class XI and 23 students of XII are a part of this project. The analysis of the graded assignments is formulated into Google Sheets and auto analysis is presented.

Hey Maths

'Hey Maths' , a bridge programme in Maths was conducted during the summer vacations for classes VI – IX . It was an online revision programme to help the students bridge the learning gap in mathematical concepts of previous classes and to build a solid conceptual foundation in the subject. The programme was highly appreciated by the students and parents. A follow up is now being taken up to bridge the learning gaps.

Parent Buddy Program'

The teachers of Pre-Primary Department have initiated a 'Parent Buddy Program' in which parents volunteer to partner with other parents and children who need support and guidance, in order to provide them extra help academically and to create a positive and purposeful adult support

ART JAM

As Visual Art affects our lives deeply, the children of the Pre-Primary are given an opportunity to experiment with colour, pattern, texture and space. The ART JAM program, has been initiated in which the young artists use different mediums like brushes, hand strokes and even brooms to paint on the walls outside their classrooms.

Spring Yoga

Spring Yoga has been introduced for the children of Pre-Primary in which they perform fun yoga poses like pretending to be a tree, flying like a bird/butterfly etc. This gives them enjoyment while lengthening and strengthening their muscles.

DANCE THERAPY

Dance is Therapeutic. Keeping this in mind Dance Therapy has been initiated in the Pre-Primary Department. All the teachers and children get together and dance for 10

minutes during recess. This brings about positive change among children and they become more relaxed, cheerful and focused.

Taking this forward, Dance Therapy has now been initiated with all the special needs children across all classes. These students have special time slots in their time table and the Dance Therapist works with them. A progressive change has been observed in the students. Children have become more confident and accepting of themselves.

Kaleidoscope Beyond the Classroom

The school has created an activity based learning centre for the students of the Pre-Primary and Primary Department. A palette of eclectic set of activities , Kinesthetic, Theatrical , Puppetry have been specially designed. 200 children of the Pre- Primary classes of our school have visited the centre from 16th July, 2018 onwards.

YOG YATRA

Bal Bharati Public Schools have signed a memorandum with Mokshaytan Yog Sansthan. Yog Yatra , a wonderful journey aims to help students, parents, staff and community members discover how yoga is not just about exercise , but also a great way to harmonise your body , mind and soul . A formal ceremony was held in Bal Bharati Public School , Gangaram Marg , on 19th May , 2018, wherein the MOU was signed between Shri L.R. Channa , President , Child Education Society and Padmshree Yog Guru Bharat Bhushan Ji. Bal Bharati Public School , Pitam Pura inaugurated Yog Yatra , a year long initiative, with a Yog session conducted by experts from Mokshaytan Yog Sansthan on 21st July , 2018. The session was attended by nearly 150 parents and teachers of the school.

Khan Academy Modules

Khan Academy Modules have been introduced in classes 6th to 8th in the academic session 2018-19. It has been included as part of the regular curriculum. These modules are aimed at providing hands on experience to all the students with immediate feedback.

Special training sessions were arranged for the Maths Faculty in order to train them. Each child from classes VI to VIII has been enrolled with Khan Academy through his/her own personal id.

Students are enjoying solving questions from the assignment sheets provided in the module. They are able to check their score immediately after completing the sheets which keeps them motivated. They are able to continue the assignments at home as well.

FINANCIAL LITERACY

A workshop on Financial Literacy was organised for the students of classes XI and XII on 24th July, 2018. The speaker, Deputy Commissioner Ms. Amanpreet, IRS, talked to the students about various aspects of Income Tax, Return filing and the importance of paying taxes. A powerpoint presentation was followed by an interactive session.

TED TALK

Following its tradition of conducting regular TED Talks, the Primary Department conducted a Ted talk on 'Teach Teacher How to Create Magic' by Christopher Emdin on Friday, 25th May 2018. The talk focused on how to create magic in the life of teachers as well as learners. It was an interactive session where all the members shared their personal classroom experiences.

Keeping abreast with its tradition of regular Ted Talks with teachers, the Primary Department organised a TED Talk on 25th September, 2018 on the topic 'How to Motivate Yourself to Change Your Behaviour'.

The talk focussed on three areas :

- 1) Social Incentives
- 2) Immediate Rewards
- 3) Progress Monitoring.

The teachers participated in the talk actively and shared their experiences wherein they were able to change the behaviour of students through these methods

History project

The History Students of class XII , under the guidance of Ms. Kavita Dhar, did their collaborative learning project with classes VI to X. They gave their presentations among their juniors on topics like Harappan Civilization , Gupta Empire , Delhi Culture, Sufism and the Growth of Mughal Empire.

Various activities were undertaken by the students thereafter which were performed in groups enabling the students to learn hands on.

MICROSOFT ASPIRE SCHOOL PROGRAM

Bal Bharati Public School, Pitampura, has partnered with Microsoft (India) and launched an Educational Program called MASP – Microsoft Aspire School Program which will enable teachers to take their students to the skill set of 21st Century with 4C's – Communication, Collaboration, Critical Thinking & Creativity. This engagement with Microsoft shall take Bal Bharati Public School, Pitampura to be globally recognized as a Microsoft School and join 10,000+ schools worldwide in more than 180 countries.

SCRABBLE TIME

In our effort to improve vocabulary and students' grasp of English Language, the students of classes XI and XII are encouraged to spend their free time (Break time) and

substitution periods constructively by playing Scrabble. This keeps the students productively engaged and also improves the discipline.

ATAL TINKERING LAB –INAUGURAL SESSION

- The inaugural session of Atal Tinkering Lab was held in the school on 29th September 2018.
- Mr. Nitin Aggarwal, the mentor assigned to our school by the Niti Aayog, conducted this orientation session with the students of classes VI to IX.
- These sessions will now be organized by the school on a regular basis.

Date	Resource Person	Topic
29/08/2018	Mr Nitin Aggarwal – Mentor By Niti Aayog	Introduction Session
06/10/2018	Mr Biswal	Aurdino Programming and L293D IC
23/10/2018	Mr Yash from Robotics Wizard	3D Printing

DAILY READING PERIOD

The Daily Reading Period is being held and enjoyed by the students of the Primary Classes. The list of books read by each student is growing. The discussion that follows each reading session, along with the activities that encourage independent thinking (open ended questions, giving a different ending to the story etc.) have really had a very positive impact on the students. Students now converse better and express their opinions freely.

BUDDY PROGRAMME

The Parent Buddy Programme in Pre Primary classes is in full swing. The prime focus is on Reading Readiness Skills in PP II, number readiness and phonemic awareness in PP I. The class teachers successfully organized the counselling sessions, gave suggestions and strategies to the parent buddies to help children with the same. More parents have signed up to mentor for this programme and they have been partnered with parents and children who need support and guidance.

ACTIVITY CENTRE

The school has setup an activity area for learning beyond the classroom and for skill development. 308 students of Class I enjoyed science experiments, cooking without fire, scale-balancing, puppet show and a magic show. They also enjoyed a meal together.

GOOGLE CLASSROOM

As a first step towards anytime anywhere learning, Ms. Preeti Khanna [PGT Computer Science , Google Certified Educator , MIEE] initiated a paperless classroom concept by rolling out Google Classroom for Computer Science classes XI and XII. It has simplified the creation and distribution of curriculum and also enhanced assessment and reporting. The model has allowed the students to learn at their own pace and not miss any work or assignment. The students and parents have conveyed their appreciation for this initiative. Following slide elaborates the details for the same.

TED CLUB

Ted Club has been initiated for the students of class XI. The students delivered inspiring talks on varied topics of interest such as gender equality, failure and success, religion for students of classes VIII and IX as a beginning. With their well-informed and evocative speeches they have motivated them to reflect upon the society and to become better future citizens of tomorrow.

SUPER SATURDAYS

The school has initiated the 'Super Saturdays' for the staff. The Middle department organised a hands on workshop on Shibori , the Japanese art of tying and dyeing on 17th November, 2018. The activity was conducted under the guidance of Ms Vishakha from the Art Department.

An enthusiastic turn out of the members of the staff filled the atmosphere with great fervour.

The teachers used various techniques and made simple handkerchiefs displaying the different shades of indigo.

The sheer joy of interacting with the fellow teachers while learning a new skill was evident on the faces of one and all.

The department looks forward to organize more such events to give the staff an informal platform to interact and enhance interpersonal relations, and of course give a much needed respite from the routine.

GOOGLE CS FIRST PROGRAM

Google India launched CS First program, to introduce coding and Computer Science to the students wherein each student created/built a project in 'Scratch'. A simple activity called 'Make your Own Google Logo' was completed by the students of class VI on 18th December, 2018. They created a customized Google logo, and learnt Computer Science concepts in the process.

Each student received a certificate from Google India.

LEARN TO CODE

The Learn to Code activity was conducted for classes VI to IX in order to inculcate the programming aptitude in them.

The initiative was taken by the members of the computer department and the students of these classes were given exposure to different coding environments appropriate to their age and grade level.

PROJECT BASED LEARNING (PBL)

We have introduced the concept of Project Based Learning, a student-based pedagogy, in Class III. The same is being followed since the first week of December, 2018. The theme of 'Water' has been taken up for this quarter. PBL involves a dynamic classroom approach in which students work together, mentored by the teacher, acquire a deeper knowledge through exploration.

THEATRE IN EDUCATION

Theatre in Education has been included as part of language teaching in the curriculum of Class IV since December, 2018. It is an innovative way of engaging, challenging and inspiring children by making the teaching - learning process more fun. The teachers are using various innovative scripts which help children participate more actively in the class by engaging and empowering them to investigate challenging situations for themselves. Theatre in Education has proved to be an effective learning tool which helps in adding purpose and creativity among the learners to discover answers to various situations, thereby enhancing their enquiry skills, self-esteem, motivation and achievement.

ART OF LIVING

A special Art of Living session was organized for the students of class I on 26/11/18 and 27/11/18. To combat the increasing impact of negative vibrations being spread through the television., internet and mobile addiction, the students were encouraged to practise basic virtues like non-violence, honesty, love and respect through shlokas, yoga, dance, games, pranayam etc. The students enjoyed the session and participated enthusiastically in the same.

DIGITAL INITIATIVE –SWAY

To impart latest digital knowledge, the children of Class IV & V were given hands on training in SWAY(latest software for creating presentations). The children made creative presentations using SWAY. The best feature of using Sway is that children can easily add text, links, pictures, audio, video etc. as there are ready-made design templates which help them to make creative presentations quickly. This will also be a great tool in the Project Based Learning initiative.

DIGITAL INITIATIVE –KAHOOT

Kahoot, a game based educational classroom response system played by the whole class, has been initiated in class V. A quiz was created on Kahoot. The teacher projected the game on the Smart board. She began the game by clicking "play". This created a unique game code that children entered on their computer. When children

used this code, they were synced into the game. Depending on answer choices and speed, Kahoot gave a score to each child. This game based learning kept children engaged and was found to be a fun way of teaching any new concept.

PROJECT BASED LEARNING

With the objective to provide hands on experience to the students, the concept of Project Based Learning was adopted in Class III. The theme of “Water – The Essence of Life” was taken up for the III term starting from December 2018. Various activities were conducted by the students to understand the various properties and forms of water. It is very rightly said that students must be taught ‘How to think’ and not ‘What to think’. The process has been fruitful in helping the students gain knowledge and understand the virtue of teamwork. This student based learning methodology with the teacher being just a facilitator helped students in achieving deeper understanding and long-term retention of the concept being covered during the term.

THEATRE IN EDUCATION

Theatre in Education, an innovative and challenging method of making the teaching – learning process more fun has been going on successfully in the Primary Department. This entire programme , spread over a span of three months, starting December 2018, proved to be quite beneficial for the learners as well as the facilitators. Four playlets, during this span of time, were completed. The following learning goals were achieved:

- Enhanced self-confidence and imagination
- Inculcation of Empathy, Compassion and Tolerance
- Improved Concentration and Communication Skills
- Understanding and appreciating the nuances of theatre
- Aesthetic appreciation
- Enhanced peer learning

SMILE CAMPAIGN

In order to spread positivity around, the Primary Department has started a Smile Campaign with the students of classes III to V wherein the students are sensitized towards the need to be a source of happiness for others. The students are encouraged to think about ways in which they can make people smile. The students are actively participating in the movement and there is a spirit of joy and happiness all around.

NATIONAL SCIENCE DAY

To inspire and instill a scientific aptitude amongst our children, National Science Day was celebrated on 1st March, 2019 where students of class V did a class presentation on the life of Sir C.V. Raman. Being one of the biggest annual festivals of Philomath, students paid homage to Dr. C.V. Raman in their own creative and innovative ways

enacting his role, using story telling and theatrical techniques with scientific skills to demonstrate what a great man and role model he was.

CLEANLINESS MARCH

The students of class III of the Primary Department went on a Cleanliness March in the neighbouring societies, led by the school band. The students met the people and talked about the importance of maintaining cleanliness at all times and how we can attain the same by following some simple steps ensuring that the environment and our beautiful blue planet blossoms and remains beautiful. The students also distributed cards made by them urging people to take a pledge of working towards this goal.