



National Public School

UTTARAHALLI

NATIONAL PUBLIC SCHOOL, UTTARAHALLI

Annual Report- Academic Year 2021-22

National Public School, Uttarahalli commenced school in the first week of June 2021. At that juncture the second wave of the pandemic had set in and resultantly we had to plan and implement online classes. In order to be well prepared for virtual classes we trained our teachers for using the MS Teams platform in an effective manner. The first fifteen days was dedicated to teachers training for the practice of using MS Teams advanced tools to help them deliver constructive and engaging classes.

The parent and student orientation for virtual classes was conducted successfully before commencing school. During the academic year we achieved a number of significant milestones. The most remarkable achievement was being awarded the **Rank 2 for Top Emerging School in Bangalore, for National curriculum by Times Survey, for Education excellence** despite being the very first year of the establishment of the school. Our School was recognized as Micro Soft Showcase School, one of the youngest school in the country to be given this recognition. We had completed the training for every staff member as Microsoft Innovative Educators and Experts who could apply the latest transformations in Education and also Mentor other teachers. **The Principal Dr. Renu Thapa was awarded the Change Maker in Transformational Education for Dynamic leadership.** The focus of the methodology was on experiential learning, Concept clearing, Project based learning and Value based systems. The PARENT TEACHER ASSOCIATION and SMC appreciated the efforts made by the School leadership, the teachers and the Admin team.

The infrastructure of the school was developed and equipped with well-planned Smart classes. The Physics, Chemistry and Biology laboratories were furnished with the latest equipment's. The Math's and Computer labs were designed and fitted with modern systems. The Play area was planned as a safe area with soft flooring ensuring that the children do not get injured while playing. The Indoor Auditorium is well equipped and can be converted to indoor Badminton and Basketball courts. The SMC supported the initiatives for developing the infrastructure. The proposal of giving a concession in the fees due to the Pandemic situation was agreed upon.

The Assessments were smoothly conducted for the various classes. Classes I to V had monthly reviews activity based, Mid term exams in the month of September and the Final term exams in the month of March. Classes VI and VII had periodical tests I, Mid Term exams, Periodical test II and Final exams in the month of March.

The Events and activities were all conducted online. Student activities and projects are an integral part of the school program. Students participated in different activities and projects as it develops the child's ability to work with peers, building teamwork and various skills. It allows the teacher to learn more about the child as a person.

Learning Outcome

Collaboration, Problem Solving, Creativity, In-Depth Understanding, Self-Confidence, Critical Thinking, Perseverance.

A variety of Special Events were conducted. Special Assembly – Environment Day, Club Formations, Art Club – Activities, International, Yoga Day Activity, Value Education session, Doctors Day Poster Making, Story Telling Activity, French Day Assembly, Project Save Tigers, Culinary Art, Independence Day Celebration, Ganesha Model Making Activity, Rangoli Competition, Best out Of Waste Competition, Diya Decoration Activity, Talent Show, Kannada Rajotsava Celebration, Art Carnival, Children's Day Celebration, Musical Harmony Event, House Wise Events, Pottery Making, Republic Day Celebration, Sports Day – Competitions.

PUTTALINGAMMA EDUCATION TRUST


CHAIRMAN



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Academic Projects

Debate & Group Discussion, Hindi Diwas – Poem Recitation, Inter-Disciplinary Activities, Eco Club Activities, Disaster Management Project, Math Fair, Science Club Activities, STEM Activities, Passion Project – SST, Science Exhibition, Projects, Exhibition.

Academic Achievements

Coordination of external competitive exam was done successfully .Science Olympiad (ISO), International Maths Olympiad (IMO), English International Olympiad (EIO), General Knowledge International Olympiad (GKIO), International Computer Olympiad (ICO)

Environment Education was based on Reduce, Reuse, Recycle. The core values of environment conservation, maintaining and sustaining the hygiene at an individual and team level was incorporated and implemented.

PE, Yoga and Aerobics was integrated in the curriculum. Dance, Music and art were integral part of the curriculum. Coding, Arduino and STEM were introduced and the students were engaged enthusiastically.

INNOVATION

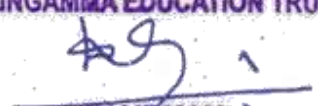
Post Covid the educational scenario completely transformed to digital platform and we have utilised several innovative methods to bridge the gap between digital skills and innovative methods ensuring that the teachers are accordingly trained for appropriate delivery.

Immersive Reader- is a highly advanced tool that enhances reading, writing comprehension, fluency for English language learners. During reading programmes or language classes we use this method for engaging delivery and presentation of the topic. The teacher can customise the font size, text, background colour. The text can be read aloud and we can select a male or female voice. For Grammar reinforcement the verbs, nouns, adjectives and clauses can be highlighted as required .The syllables can be split up and speed of reading can be changed as per the pace of the students. The Immersive Reader can auto translate the text into 70 different languages which makes it adaptable for language learners all over the world .Our teachers are enabled to even bring images of characters or objects on the page which is shared with students bringing alive the material which is presented in the class.For example if the students are reading an extract of the book Geronimo Stilton,the teacher can embed the image of the character on the virtual page!

SWAY- We use Microsoft Sway to design presentations which are especially creative and being a user friendly tool, both our teachers and students are easily able to access the templates or create new ones as required for the various subjects. Students can embed videos as well as add text .They are able to even embed Ms FORMS in the Sway template.

FLIPGRID-We are able to utilise Flipgrid as a tool to record and share videos made by teachers and students on various topics .These are shared with peer group and teachers. Another aspect of flipgrid is the amazing experiences for students while learning as it enables teachers to take students on expeditions and virtual tours. Across subjects, topics and levels we have utilised Flipgrid.

For Projects and fun activities- we have made use of Paint 3D which is a creative application with Windows 10.Our teachers have combined 2D and 3D tools to create beautiful cartoons ,objects and scenes .A mixed reality effect is possible with this method and the real world can be put into the projects .

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Microsoft Peardeck-

Through Pear Deck students can engage in individual or social learning as the teachers have used it as an interactive presentation channel. It also allows teachers to share responses to the whole class when required leading to community learning.

Microsoft Forms-

With Microsoft Forms we have created quizzes, surveys, polls. We can collect information regarding students' comprehension of a certain topic through this feature. Through any web browser or even mobile devices students can view and respond to the form.

Microsoft PowerPoint-

We use Microsoft PowerPoint to create, edit, view present or share presentation quickly and easily. Our Teachers ink on to the slides, embed 3D objects, animations. Their Handwritten notes are converted into text and make hand-drawn shapes perfect.

Microsoft Teams-

We have introduced Microsoft Teams as a collaboration platform for virtual classroom, sharing of documents. Assignments can be easily uploaded and collaborative teaching can be done in a safe and secure working environment. Classes can be recorded and shared with students and parents for revision and for those who have missed a class. Synchronous and Asynchronous classes are enabled with this platform.

One Note-

One note is a tool which the teachers have used to organise lesson plans in a digital notebook and staff can share the library. Through this method students can handwrite notes and sketch diagrams, they highlight or make annotations. The sharing of ideas benefits the knowledge empowerment. Audio notes can be recorded through this tool and used at a later date.

Microsoft Whiteboard-

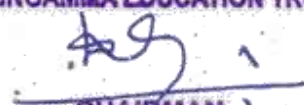
We use Microsoft whiteboard for demonstration, discussion for students to collaborate on projects and brain storming. Teachers also import images and draw over it for annotating texts.

Gamification-

Gamification is a strategy used for motivating students by the application of game elements in the teaching learning process. For e.g.-We use Kahoot which is an online game based learning platform which allows teachers to set up fun web based learning. Minecraft is a game about placing blocks and going on adventures, use creative mode resources. It promotes creativity, collaboration, problem solving in a digital environment. Through this abstract concepts will be brought to life.

Hour of code-

We have introduced hour of code as an introduction to coding as it demystifies coding and makes learning the basics simple.

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Brain storming-

We use tools such as Padlet that can be used by students and teachers to post notes on a common page. Links, videos and images can also be posted through padlet.

Computational thinking-

This is a powerful approach to real life problem solving. Students are asked to break down larger problems into smaller ones (Decomposition), recognise related problems, find out how similar problems have been solved in the past (pattern recognition), set aside unimportant matters, identify steps necessary to reach a solution (algorithm), refine the steps (Debugging), this skill is valuable in every skill of life ranging from writing a recipe, planning holiday, planning your future to tackle an outbreak of a disease. This aims to master the art of thinking so that children tackle complex challenges in their life to become responsible and successful.

Application based knowledge-

Our teachers connect concepts to real life applications and experiences so that the students can relate theory to the practical with the help of the real life context. For e.g. While studying about vitamins and minerals in food students present a balance diet meal and recipe.

Embodied learning-

This involves the self-awareness of the body and development a mindful approach to learning and wellbeing so that across subjects teachers are connecting self-awareness and healthy life style which directly affects the mental health

Learning through Argumentation-

The argumentation method helps students to compare and contrast ideas, refine ideas, learning how other people think, spark meaningful discussion and open ended questions. Students learn to be more scientific and constructive in their thoughts when involved in meaningful argument.

Collaborative learning methods-

Through the platform of clubs such as Eco club, Science club, dance club, drama, art club etc, they develop leadership qualities, teamwork, problem solving, empathy and communication skills.

Creative teaching - using dumb charades, Pictionary, crossword puzzles and Role plays.


Story boarding-

Concepts are made interesting by delivering it through a story. A story board is made in a form of a graphic organiser that consists of images displayed in a sequence. Students learn to understand the pattern of thought process and remember the important connections.

Flip class-

During flip class the students are required to research on the topics, collect questions and come prepared to the class wherein they can take the role of a teachers and ask questions to the peer group as well to the mentor.

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Puppet theatre-

Puppets are used to explain concepts through a story or a dialogue to make it engaging. (Image enclosed)

Enquiry based learning-

The teacher develops curiosity in the students regarding a specific topic and the questions that emanates from the student's forms the base of the lesson delivery.

Stem-

Science, technology, engineering and mathematics are integrated in a play way method, which helps the students to go beyond the school subjects and learn the skills that govern the way we think and behave. We have partnered with XEA Innovations who are experts in STEM curriculum and professionals conduct regular STEM classes for classes I to VII. This is done with practical kits and simple gadgets. It channelizes the students to face the challenges in the real world by developing their scientific skills in a fun to learn and 'Joy of Discovery' method. (Images attached)

HYBRID CLASSES were held in the month of December .The Academic year ended with the final Assessments in March .Students were certified for their achievements throughout the year in various Scholastic and Co scholastic fields before the School closed on the 31st of March 2022. It was a memorable year marked with significant achievements

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