

CAMBRIDGE SCHOOL, NOIDA MONTHLY REPORT FOR SEPTEMBER 2020

SCHOOL EVENTS

TEACHER'S DAY

Nothing can stop us or deter us! With this belief the Cambridgites of Class XII created history by conducting the Teacher's Day Celebrations online on 5th September 2020. The event was conducted with equal zest, fervour and enthusiasm by the students to make it a truly memorable and special day for their respected teachers. The programme which included a Guru Vandana, standup comedy, songs and dances mesmerised the audience. Some interesting games were also conducted for the teachers. It was attended by all teachers of the Senior Wing and non-teaching staff. It was evident from the programme that nothing could dampen the spirits of the students who enthralled everyone with their energetic performance.



GRANDPARENTS' DAY CELEBRATION – BY INTERACT CLUB

On 9th September 2020 the members of the Interact Club of Cambridge School, Noida celebrated **Grandparents' Day- Kehney ko Badey, Dil Se Bachey** to honour and express gratitude towards grandparents for their constant love, care, guidance and support. The Zoom meeting was attended by 75 attendees including members of the Rotary Club, Vice Principal, Ms. Nandita Sinha Roy, teachers and students of classes VI-XII along with their grandparents. President Rtn Naveen Agarwal was the chief guest. Old Bollywood songs sung by the participants made everyone nostalgic. Dance, storytelling, quiz and poem were the highlights of the programme. Grandparents shared their childhood experiences and answered questions asked by students in an interactive session. Rtn Manu Seth encouraged the students to organise more such events in future.



बुजुर्गों के चेहरों पर मुस्कान लाए छात्र

नोएडा। केंब्रिज स्कूल के इंटरैक्ट क्लब के छात्रों ने जूम मीटिंग के माध्यम से 75 से अधिक दादा-दादी और नाना-नानी को एक स्थान पर एकत्रित किया। यह सभी के लिए अनोखा अनुभव था। मनोरंजन के लिए उनकी पसंद को ध्यान में रखकर गीत-संगीत और नृत्य प्रस्तुत किया गया। यह देखकर बुजुर्ग पुरानी यादों में खो गए। कार्यक्रम में रोटैरियन अध्यक्ष नवीन अग्रवाल, रोटैरियन सचिव मनु सेठ और शिक्षक एवं उप-प्रधानाचार्या नंदिता सिन्हा रॉय शामिल हुईं। ब्यूरो



केंब्रिज स्कूल द्वारा दादा और दादी को लेकर आयोजित कार्यक्रम में शामिल वृद्ध।

3D PRINTERS AND PRINTING

Cambridge School, Noida organized a webinar on 3-D Printers and Printing as an Atal Tinkering Lab activity on 9th September, 2020. 70 participants attended the event. The ATL in-charge, Dr Hemant Kumar Singh, welcomed the participants and conveyed the message of Atal Innovation Mission, NITI Aayog, Government of India, and also the message of Dr Kalyani Roy Secretary, SAE and the Principal Ms. Preeti Sangwan both of whom believed in **Identifying and Connecting Young Minds** who have a scientific temperament, scientific skills and interest in the field of Science and Technology. The participants were informed that NITI Aayog had granted Rs twenty lacs to set-up the ATL and in addition to that the management of the school has also contributed a substantial amount to set up the lab which is now fully equipped with microelectronic, electronic, electrical equipment and mechanical tools. The lab is fully functional and operational and now waiting for the children not only from Cambridge School, Noida but also from different schools in the neighbourhood to be associated with it. Mr Anurag Tripathi, an associate of RoboSpecies Pvt. Ltd. conducted the session and explained about the working of 3-D Printers. Participants interacted during the session and raised their queries which were answered by Mr. Tripathi much to the satisfaction of the participants. The session concluded on a positive note inviting students to become members of the ATL at Cambridge School, Noida.

THE NATIONAL ELIGIBILITY CUM ENTRANCE TEST (NEET) 2020

The National Eligibility Cum Entrance Test (NEET) 2020, was held on 13th September 2020. Cambridge School, Noida was the centre for this examination from where 525 students appeared. Utmost care was taken to sanitize the school thoroughly. The students were made to enter the school according to the staggered time allotted to them. Each candidate was provided with face masks and sealed drinking water bottles. They were made to sit in their respective

classrooms maintaining proper norms of social distancing. All precautionary measures laid down by the NTA were followed including wearing of masks, gloves and maintaining social distance.



INTERNATIONAL SCHOOL PROGRAMME- SEPTEMBER 2020

- Videoconferences immerse students in an entirely new experience, wherein they can share their views and engage in meaningful dialogue. This month on 7th, 10th and 24th September 2020, students from classes IX to XII interacted with their peers in Mexico and Ukraine via video conferencing. The students had invigorating discussions on Festivals, Understanding Extremism and Human Rights.



- Maithily Nautiyal and Prakhar Ranjan Sahu of class IX were chosen to participate in a 'Focus Group Discussion' alongside other young people from around the world, on 18th September 2020. The students discussed their experiences and voiced their opinions regarding 'Generation Global'. They received E-Certificates as a recognition of their valuable contribution during the discussion.



- On 17th September 2020, Ms. Anubha Rawat attended a webinar organised by the British Council which focussed on creativity in communities and developing inclusive solutions during Covid-19.



PTM FOR CLASSES VI -XII

A virtual PTM was organised for the parents of classes VI to XII on 12th September 2020. Class teachers interacted with parents of students with low attendance and securing less than 40% in one or more subjects in PA I. The rest of the parents were requested to interact with the Coordinators and in case they wished to discuss any special matter they could do so with the Principal and Vice- Principal. Besides academic performance, the parents were keen to know about the opening of schools. Some parents requested for extra academic support for their wards. Keeping this in view subject teachers will be conducting support classes for these students.

SPECIAL ASSEMBLY HINDI DIVAS

A Special Assembly was held on 14th September 2020 on the occasion of Hindi Divas to celebrate the adoption of Hindi as one of the official languages of India. A video film featuring the views of some eminent Hindi scholars regarding the importance of Hindi as a language and its propagation was presented by the students. This was an attempt to create a sense of love and pride for the language in the minds of all.

INTERACTION WITH PARENTS FOR CBSE REGISTRATION PROCESS

Separate online sessions were organised for the parents of Class IX and X, on 26th September 2020 to discuss the modalities of Class X CBSE Registration process. The coordinators, Ms. Kiran Sibal and Ms. Jyoti Joshi provided general instructions regarding name, spellings, date of birth, subject codes and vocational subjects. The choice for Mathematics Basic Vs Standard was discussed by Ms. Sunita Pandita. This was followed by an interactive round where parents' queries were resolved. 88 parents from class X and 110 parents from class IX attended the respective sessions

AERO COMPOSTER

Aero composter was installed in the school on 5th July 2019 in collaboration with IPCA(NGO) as a Project with schools where students can learn the method of composting. It is a project that emphasizes on **zero waste**, **sustainability** and **organic farming**. The Aero composter converts vegetable peels taken from the school canteen and dry leaves collected from the school compound as waste into compost. The first harvesting of the Aero composter was done on

28th September 2020 where around 25 Kgs of compost was harvested. It will be dried for 4-5 days, after which it will get reduced to one-third of its weight and then sieved to produce the final product. Also, as part of the project, a vegetable garden will be set up where the compost will be used.



WORKSHOPS AND SEMINARS FOR STUDENTS

ECONOMICS SEMINAR

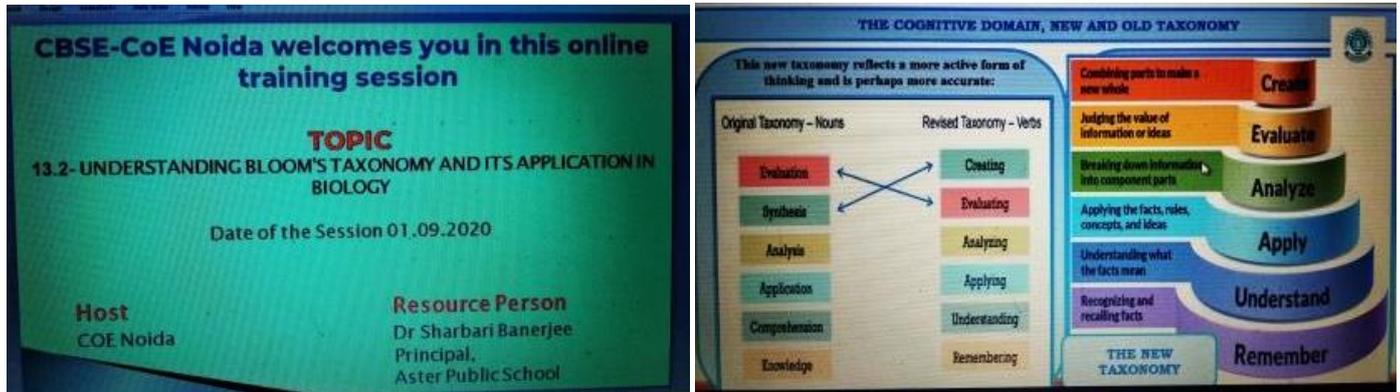
The Economics Department conducted a seminar on **Trade Wars between India and China** on 8th September 2020 through MS TEAMS. The seminar began with a brief history on Indo China relationship followed by a panel discussion conducted by the students of Class XII. Through Power Point presentations, past, present and future of trade relations between the two countries was explored. An interactive quiz was organized to conclude the seminar.



CAPACITY BUILDING FOR TEACHERS

UNDERSTANDING BLOOM'S TAXNOMY IN BIOLOGY

A workshop on **Understanding Bloom's Taxonomy in Biology** was conducted by Dr Sharbari Banerjee on 1st September 2020 organized online by CBSE (CoE Noida). It was attended by Ms. Susmita Dey. The session began with a few queries from the participants on the misconception that many people consider Biology as a subject which involves rote learning. The resource person explained that this misconception can be cleared by incorporating different types of questions testing a variety of skills in students. She discussed different types of questions that can be framed to test different domains in students as per Bloom's Taxonomy by taking topics of Class XI and XII Biology Curriculum as an example. She also emphasized the importance of creating **Mind Map** by the students for each chapter to facilitate the learning process.

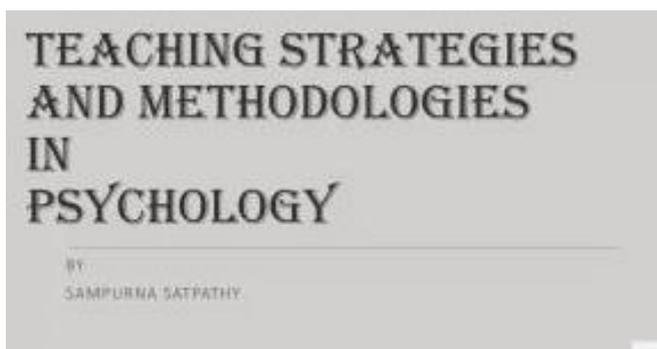


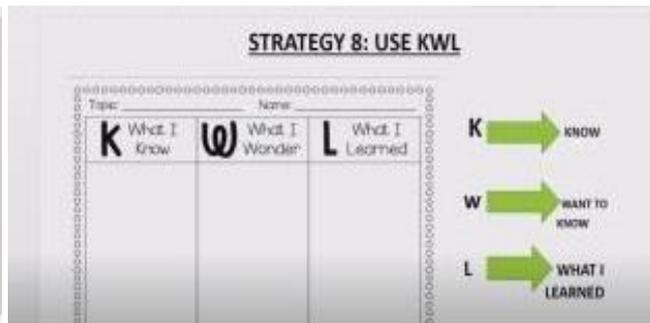
ENHANCING PRACTICAL SKILLS/PROJECTS AND MAPS IN SOCIAL SCIENCE

An interactive and informative workshop on **Enhancing Practical Skills/Projects and Maps in Social Science** was conducted on 2nd September 2020 by Ms. Yogita Kapil, Principal, Delhi Public School, Sahibabad. It was attended by Ms. Kusum Lata. Emphasis was given on **Project-based learning** which is a student-centered pedagogy that involves a dynamic classroom approach in which students acquire a deeper knowledge through active exploration of real-world challenges and problems. Practical activity can help structure a lesson and improve engagement and knowledge retention. Many students learn more easily by **actually doing** activities /projects thereby making learning more contextual, relevant and updated. It also helps in enhancing the Life Skills of the students. If possible different forms of art may be integrated in the project work. Using maps in the classroom invites curiosity, encourages exploration and inspires problem solving. Maps can be used to explore a multitude of topics and can incorporate visual learning, spatial thinking and quantitative skills into a lesson. The Resource Person explained how students can be asked to sketch a map of the schoolyard in their field journals, noting important landmarks. Quiz related to the subject of map, directions, symbols etc. can be conducted. Reflection should be done through interactive sessions such as exhibitions, panel discussions, etc.

TEACHING STRATEGIES AND METHODOLOGIES IN PSYCHOLOGY

A workshop on **Teaching Strategies and Methodologies in Psychology** was conducted by Ms. Sampurna Sathpathy on 3rd September 2020 organized online by CBSE. It was attended by Ms. Sunetra Banerjee. The session started with a light conversation with the resource person and was followed by a video **Classroom of Rowdy students** highlighting the importance of specific teaching strategies. Moving ahead she explained the act of **Mentoring** and the salient goals of teaching. She described ten strategies for effective teaching of Psychology. For conclusion she covered various steps one must follow for a student centric approach to make the classroom proactive.





TEACHING STRATEGIES/METHODOLOGIES IN CHEMISTRY

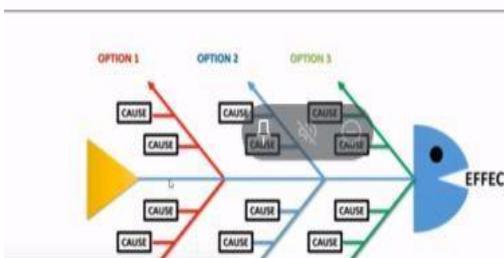
A workshop on **Teaching Strategies/Methodologies in Chemistry** was conducted by Ms. Poonam Kumar Mendiratta, Principal, The Manthan School, Greater Noida on 03rd September 2020 organized online by CBSE, hosted by COE NOIDA. It was attended by Ms. Bindu Muralidharan and Ms. Ayesha Khan. Ms. Mendiratta started the session by discussing the difference between behaviouristic and constructivist approach in learning strategies. She discussed student-centred teaching methodologies and gave some tips for teaching Chemistry. Use of six thinking hats to explain a topic in Chemistry was explained taking the example of a metal e.g. iron. Ms. Mendiratta explained that inclusion of methodologies like simulation, data interpretation, mind maps, Venn diagram, fishbone diagram, teaching with analogies, co-relation of the topic with everyday life can make the topic more interesting. The Resource Person concluded the session by quoting Alexandra K Trenfor “The best teachers are those who show you where to look, but don’t tell you what to see”.

FOUR CORNERS



The Four Corners strategy is an approach that asks students to make a decision about a problem or question. Each of the four corners of the classroom is labelled with a different response (strongly agree, agree, disagree, strongly disagree). Students move to the corner that best aligns with their thinking. They share their ideas with others in their corner and then come to consensus. One member of each group shares the result of the discussions with the whole class. E.g. If I put 100g of sand in a glass of water, will sand always get wet by water? or Can sea water be made fit for drinking?

FISHBONE DIAGRAM/ISHIKAWA DIAGRAM



THEATRE IN EDUCATION: HINDI

A theatre presentation on **Prasidh Kavitaon Ki Natkiya Prastuti** was conducted online by the Hindi Department of Cambridge School, Srinivaspuri on 3rd September 2020. Students spoke about the inspiring themes of some famous poets and presented their poems in a very impressive manner. It was attended by the teachers of Hindi Department of Cambridge School, Noida and Ms. Vimal Tyagi.

ICT INTEGRATION IN TEACHING OF PHYSICS

A workshop on **ICT Integration in Teaching of Physics** was conducted by Dr. V.K. Mishra on 07th September 2020, which was organized online by COE, Noida under the aegis of CBSE. It was attended by Ms. Nishtha Agarwal. The session started with a brief discussion regarding the

objectives of the workshop. The participants were asked to self-analyse the importance of ICT in teaching Physics. Dr. Mishra laid stress on integrating Technology Content & Pedagogy while delivering lessons in the class. He discussed about various ICT tools teachers can use in the class, ranging from software to various video sources. He urged the teachers to upgrade themselves in order to create interest among the students. In the end, the Resource Person concluded by sharing few resources which could be used by teachers to plan their lessons in a better way, like Olabs, Khan Academy, Indian Physics Association, Swayam Prabha, Wiki teachers etc.

ESSENTIALS OF A LESSON PLAN IN BIOLOGY

Ms. Kiran Sibal, attended a CBSE Capacity Building workshop on **Essentials of a Lesson Plan in Biology** on 8th September 2020. In this session, the speaker, Ms. Sammita Dam Chatterjee, emphasised upon the significance of nature visits and field trips, connection of concepts with real life, simplification of terminology and the use of technology in the teaching of Biological concepts. She also stressed that focus should be on development of skills of the 21st Century through the pedagogy used in the classroom.

INTEGRATION OF ART IN SOCIAL SCIENCE

CBSE organized a workshop for Social Science teachers on **Integration of Art in Social Science** on 9th September 2020. The Resource person was Ms. Yogita Kapil, Principal, Delhi Public School, Sahibabad. The workshop was attended by Ms. Uma Tiwari. The workshop focused on how Social Science can be beautifully integrated with various art forms- both visual and performing arts, to enhance and reinforce the teaching- learning process and make it effective. She began the session with her new pedagogy –**Story telling** wherein she explained how, through examples art can be integrated in the teaching of Social Science. She mentioned that if children are encouraged to reflect/ project their understanding in their own way by writing a poem, creating a model, drawing, singing, dancing etc., they learn better, as it involves the application of their full mental and emotional faculties. It enhances their focus, comprehension, understanding and creative expression, thereby boosting their confidence. Integrating arts into the Social Studies curriculum not only appeals to the students with diverse learning styles, but it also allows them to make connections with different branches of learning and reinforces their understanding and knowledge. Ms. Yogita Kapil concluded the session by focusing on the fact that Social science class can be real fun. It just needs a little bit of willingness, innovation, effort and creativity.

ESSENTIALS OF A LESSON PLAN IN CHEMISTRY

A workshop on **Essentials of a Lesson Plan in Chemistry** was conducted by Ms. Poonam Kumar Mendiratta on 11th September 2020 organized by CBSE. It was attended by Ms. Arpita Paul. The basic aim of the workshop was to make teachers familiar with the essentials of a lesson plan in Chemistry which should be made keeping in mind the 5E's which are Engage, Explore, Explain, Elaborate and Evaluate or the 4 A's which include Active, Acquire, Application and Assessment. Various teaching pedagogies should be adopted for each class like case study, Venn diagram, four corners, six thinking hats, flipped classrooms, flow charts, simulations, inquiry based teaching and maps etc. to cater to each type of student keeping in mind the concept of multiple intelligence. This year CBSE will focus on Competency Based Learning. She emphasised that a teacher should focus on five main areas which are Concept, Skills, Facts, Vocabulary and Values while planning a lesson. Ms. Mendiratta took the example of few topics to show how a lesson

should be planned to make classes more effective and productive. The workshop which concluded with an interactive session was very informative.



BODY AND MIND: ARE THEY CONNECTED?

Ms. Susmita Dey and Ms Kiran Sibal, attended a webinar on the topic **Body and Mind: Are they Connected?** It was organised by the Biology department of Cambridge School, Srinivaspuri on 11th September 2020. In this session, the speakers explained the link between a person's thoughts, attitudes, behaviour and their physical health with the help of an elaborate PowerPoint presentation. The significance of yoga and meditation in improving physical health was also discussed by the speakers.

ESSENTIALS OF A LESSON PLAN IN ENGLISH

An informative workshop on **Essentials of Lesson Planning** was conducted by Ms. Sangeeta Rekhi on 14th September 2020 organised online by CBSE. It was attended by Ms. Shamoly Ghose. The session commenced with the Resource Person discussing the THREE LOVES: Love for learning, Love for learners and Love for loving the first two. The points that were discussed during the session were : Listen to every child and try to understand them; Lesson plan should be made as per the requirement of the students; Rehearse the lesson before going to class; Stop judging students; Increase the reading capacity of students; Lesson plan is not important, execution is important. This was followed by a short question answer round.

REC LESSON PLANNING IMPORTANT?

- ❖ To structure and organize the lesson
- ❖ To determine method of its delivery
- ❖ assess students' learning
- ❖ Being clear on what you want to teach.
- ❖ Being ready to cope with whatever happens.
- ❖ Give your teaching a framework, an overall shape.
- ❖ Evaluate its application/effectiveness of a lesson
- ❖ A reminder for the teacher when they get distracted
- ❖ It suggests a level of professionalism and real commitment

REC CHECK LIST OF WHAT TO INCLUDE

• Materials	- Teaching aids	(What)
• Objectives	- Blooms Taxonomy	(Why)
• Procedures	- Pedagogy	(How)
• Estimated time	- Time management	(When)
for each activity		
• Explanations	- Technique	(Who)
• Board Work	- Planned	(Where)
• Page Numbers	- From Book	(Where)
• Extra Activities	- Dramatisation	(Wonder)
• Follow-on	- writing a script	(Wow)
-activities		
• Lesson evaluation	- Quiz, Peer assessment	(WHIZKID)

1. CREATIVE TEACHING

- Include playful games
- Use Visual exercises
- Bring aspects of creativity
- Develop their creative ideas

CREATIVE TEACHING!

RECREATIONAL MATHEMATICS

A workshop on **Recreational Mathematics** was conducted by Ms. Renu Sharma on 15th September 2020 organized online by CBSE. It was attended by Ms. Preeti Ghai TGT (Maths). The workshop focussed on subject specific recreational activities which can be done with students for e.g. games, puzzles, humour and art. A PowerPoint presentation featuring variety of puzzles, logical questions and videos depicting dances based on Mathematics were shown. The workshop helped in enhancing and upgrading one's professional skills.

INNOVATIVE PEDAGOGY IN SOCIAL SCIENCE- EXPERIENTIAL LEARNING

CBSE organized a workshop on the topic **Innovative Pedagogy in Social Science- Experiential Learning** on 16th September 2020. The workshop was conducted by Ms. Yogita Kapil, Principal of Delhi Public School, Sahibabad. The workshop was attended by Ms. Areeba Sundus. The objective of the workshop was how to introduce experiential method of learning in Social Science. The speaker introduced the session by explaining the basic concept how learning which is done by doing or hearing is experiential learning. This concept was substantiated by examples, for instance story telling method makes learning by doing more effective and has a long-term effect on the learner. Elaborating further, Ms. Yogita also explained the constructivist approach and how this approach can be the theoretical basis for this learning. While summarizing, it was explained that experiential learning is based on personal experiences, in contrast to learning from books and through lectures, or by other passive means. She further mentioned the benefits of experiential learning and how it is important for promotion of teamwork, development of reflective practice habits *etc.* Overall, the workshop was enriching and enlightening.

ENHANCING PRACTICAL SKILLS IN CHEMISTRY

Ms. Mamta Rishi attended a workshop on **Enhancing Practical Skills in Chemistry** organized by CBSE on Friday, 18th September 2020. Ms. Poonam Kumar Mendiratta the resource person informed the gathering about the importance and weightage of practicals in Senior Secondary classes. She emphasized about the safety measures and general mistakes that occur during practical classes. Ms. Mendiratta stressed that students should be encouraged to perform new Investigatory Projects and guided the teachers to use Olabs to conduct practical classes during this pandemic situation. The session was very interactive.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following content:

EFFECTIVE PRACTICAL CLASS MANAGEMENT

1. Two periods per week.
2. Setting up of lab before class.
3. Statutory safety instructions for students. (<https://www.acs.org/content/dam/acsorg/about/governance/committees/chemicalsafety/publications/acs-secondary-safety-guidelines.pdf>)
4. SOP in case of emergency.
5. Instructions in connection with the experiment.
6. Establishing connection between theory

Below the list is a diagram titled "NFFA Diamond" with four colored sections:

- RED (Top):** PREPARE: Preparation (Safety, Safety Sign, Safety Symbols, Safety Data Sheet)
- BLUE (Left):** HEALTH HAZARD (Toxic, Corrosive, Irritant, Flammable, Oxidizing, Carcinogenic)
- YELLOW (Right):** REACTIVITY (Explosive, Self-Heating, Self-Reacting, Incompatible, Unstable, Polymerizing, Toxic, Corrosive, Oxidizing, Carcinogenic)
- GREEN (Bottom):** WASTE (Solid Waste, Liquid Waste, Gaseous Waste, Radioactive Waste)

The Zoom interface also shows a list of participants on the right and a search bar at the bottom.

DEPARTMENTAL PRESENTATION - HINDI (CSS)

A Departmental presentation on **English School Mey Hindi Padhaana Aur Seekhna** was conducted online by the Hindi Department of Cambridge School, Srinivaspuri. on 18th September 2020. It was a well-researched and well conducted presentation. It was attended by the teachers of Hindi Department of Cambridge School, Noida.

ASSESSMENT IN SOCIAL SCIENCE

A Seminar on **Assessment in Social Science** was conducted by Ms. Yogita Kapil on 23rd September 2020, organized online by CBSE. It was attended by Ms. Supriya Gupta. The session started with the Resource Person explaining the meaning of the word assessment which is a powerful tool in the hands of the teachers through which they can evaluate, measure and document achievements of the students. Further she emphasized about the purpose of taking assessments, which is a tool to gather relevant information about a student's performance or progress, to determine a student's interest and to make judgment about their learning process. Moving ahead she categorized the assessment into three parts-Assessment for learning, Assessment of learning and the comparison between the two. Overall, the workshop was enriching and enlightening.

COMPETITIONS AND ACTIVITIES

WINNERS OF ONLINE INTER SCHOOL ACTIVITIES AND COMPETITIONS (SEPTEMBER 2020)

DATE	CONDUCTED BY	NAME OF THE COMPETITION	NAME OF THE STUDENTS	CLASS	POSITION
14th September 2020	DPS Monarch International School	International Hindi Poetry Recitation	Shivangi	VII-A	I Position
14th September 2020	Itihaas	Itihaas- Compose a song	Mehak Sharma	XII-D	Qualified for Final Round
			Kshitij Vedi	XII-E	Qualified for Final Round
			Aaradhya Jha	XII-E	Qualified for Final Round
			Gunjan Kumar Jha (Teacher-in-charge)		Qualified for Final Round
14 th September 2020	DPS Monarch International School, Doha, Qatar	Hindi Recitation	Shivangi	VII A	I Position
14 th September	DPS Monarch International	Hindi	S. Karthik	IX C	Consolation Prize

MONTHLY REPORT- SEPTEMBER 2020

2020	School, Doha, Qatar	Speech Contest			
21 st September 2020	Bal Bharti Public School Pusa Road New Delhi	Chem Rap Octaves	Shivam Kaka Aradhya Chakraborti	XI C XI C	III Position
21 st September 2020	Bal Bharti Public School Pusa Road New Delhi	Golden Glory – Meenakari Art	Aarna Srivastava	VIII	III Position
31 st August 2020 Result declared in September	Army Public School Shankar Vihar New Delhi	Technomania 2020- Atal Tinkering Fest	Amar Khera	X B	III Position

ACHIEVEMENTS



- Vaibhav Kumar of Class IX-C Cambridge School, Noida was awarded the **Best Delegate** in the World Bank Committee in **Diplomathon Global World Edition**. Diplomathon Global World Edition had over 24 diverse committees and participants from across nine different countries attending the session were part of different committees like World Bank, World Economic Forum, World Health Organization etc. The aim was to cultivate & enhance leadership skills, negotiation skills, public speaking skills etc.
- Vaibhav Kumar secured the 106th Rank in Class IX Category Test of **ICAI Commerce QUIZ 2020** held online on 29th June 2020 and was awarded a cash prize of Rs.1,000. There were 48343 registrations out of which 46054 registrations were from India and 2289 from abroad.

