



PRAGYAN
S C H O O L

WEEKLY CIRCULAR SENIOR

4 May 2020
(Cir/PS/03/2020-21)



- Which one of the following is not the functional unit of an Ecosystem? [1]
 (a) Productivity (b) Stratification (c) decomposition (d) Energy flow
 - _____ is defined as the number of species represented in a specific region, landscape or an ecological community. [1]
 (a) Coevolution (b) Commensalism (c) Species richness (d) Population density
 - Measuring BOD (biological oxygen demand) is primarily used for [1]
 (a) Estimating the types of microbes (b) Determine the level of dissolved oxygen
 (c) Estimating the quantity of organic matter in sewage water (d) One of the above
- SECTION B**
- Catalytic converters use expensive metals as catalysts. [2]
 (a) Name the metals generally used.
 (b) What precaution should be observed while using catalytic converter?
 - "It is possible that a species may occupy more than one trophic level in the same ecosystem at the same time." Explain with the help of one example. [2]
 - Taking one example each of habitat loss and fragmentation, explain how are the two responsible for biodiversity loss. [1]
- SECTION C**
- (a) Why is thermoregulation more effectively achieved in larger animals than in smaller ones? [1]
 (b) Explain the association between the bumble bee and its favourite orchid *Ophrys*?
 (c) Draw an age pyramid showing the zero population growth.

Classes VI to XII

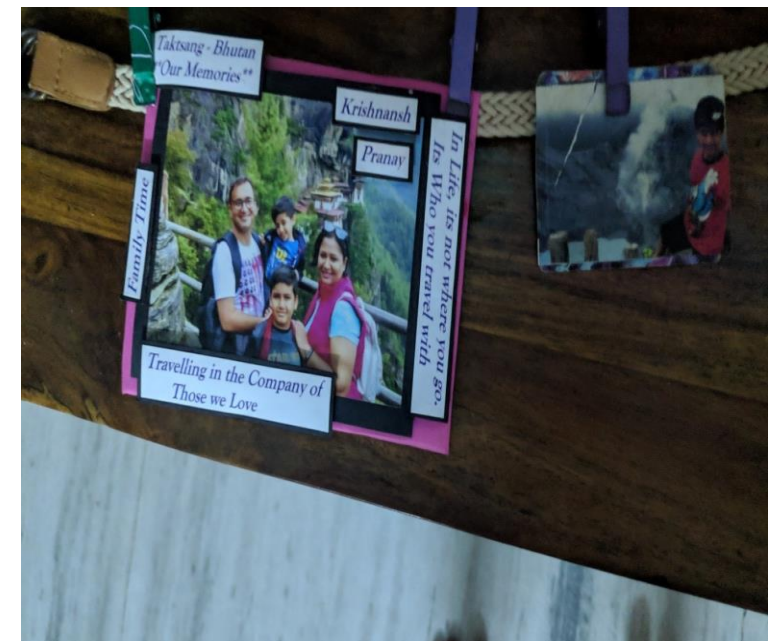
The online classes for students of classes 6-12 are being conducted. The first series of online revision test were completed for class 12 students. Teachers are also taking a minute break in between their classes and along with their students, are doing some eye and stretching exercises.



Class VII

Looking at old photographs brings back memories and makes us feel nostalgic. They are like time machines taking us to old places and occasions.

To break the monotony of the lockdown, students of class 7A created a photo string as a part of their English activity. The students decorated a string with the photographs of their childhood and enjoyed sharing them with their friends during the online class.





Adrika Rai [8A]



Nandini Bhatnagar [7A]

Classes VI to VIII

We congratulate the following winners of the STEM LAB question answer challenge [24th April to 30th April 2020]

- Adrika Rai [8A]
- Nandini Bhatnagar [7A]
- Reva Sharma [7A]
- Lakshya Chopra [8A]



Reva Sharma [7A]



Lakshya Chopra [8A]

Classes VI to VIII



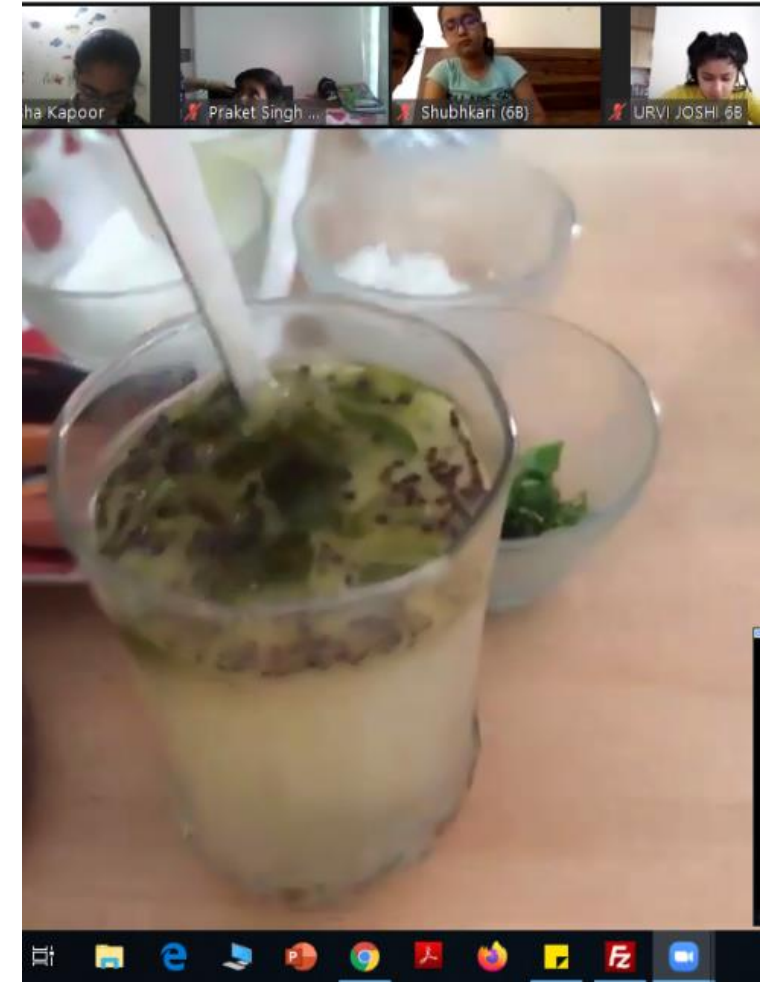
Students are also performing the STEM activities at home and learning the concepts of science in practical way. They made Fluttering butterfly, performing experiment to show oxygen is necessary for combustion.



Classes VI to VIII

Students of classes VI-VIII experimented with the dishes like baking cookies, preparing yummy pin wheel sandwich taught to them by their teachers.





Ms. Anju Singh took cooking sessions with class 6 students on 2nd May 2020.

She taught students to prepare Healthy Delicious Gujarati Snack “Dhokla”.
The recipe will be shared with the students on mail as well.



Class VI

To equip themselves with fighting with Corona Virus, Class 6 Students learnt to make masks at home using cloth and tissue paper.

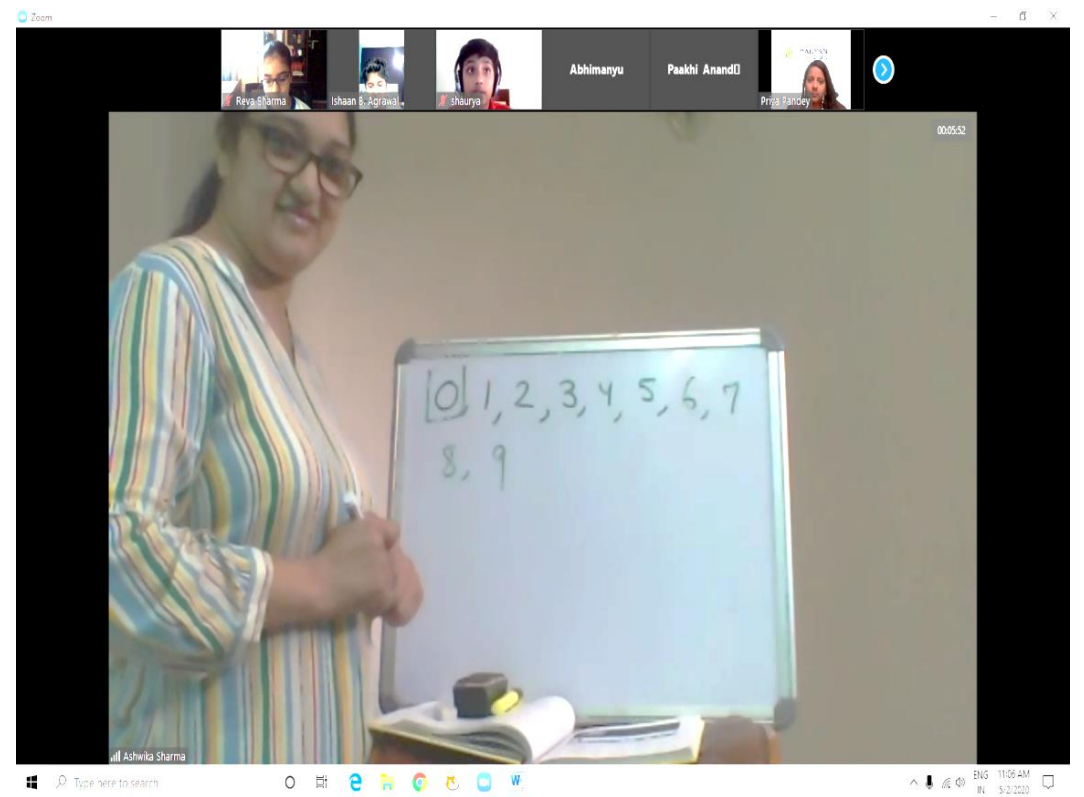
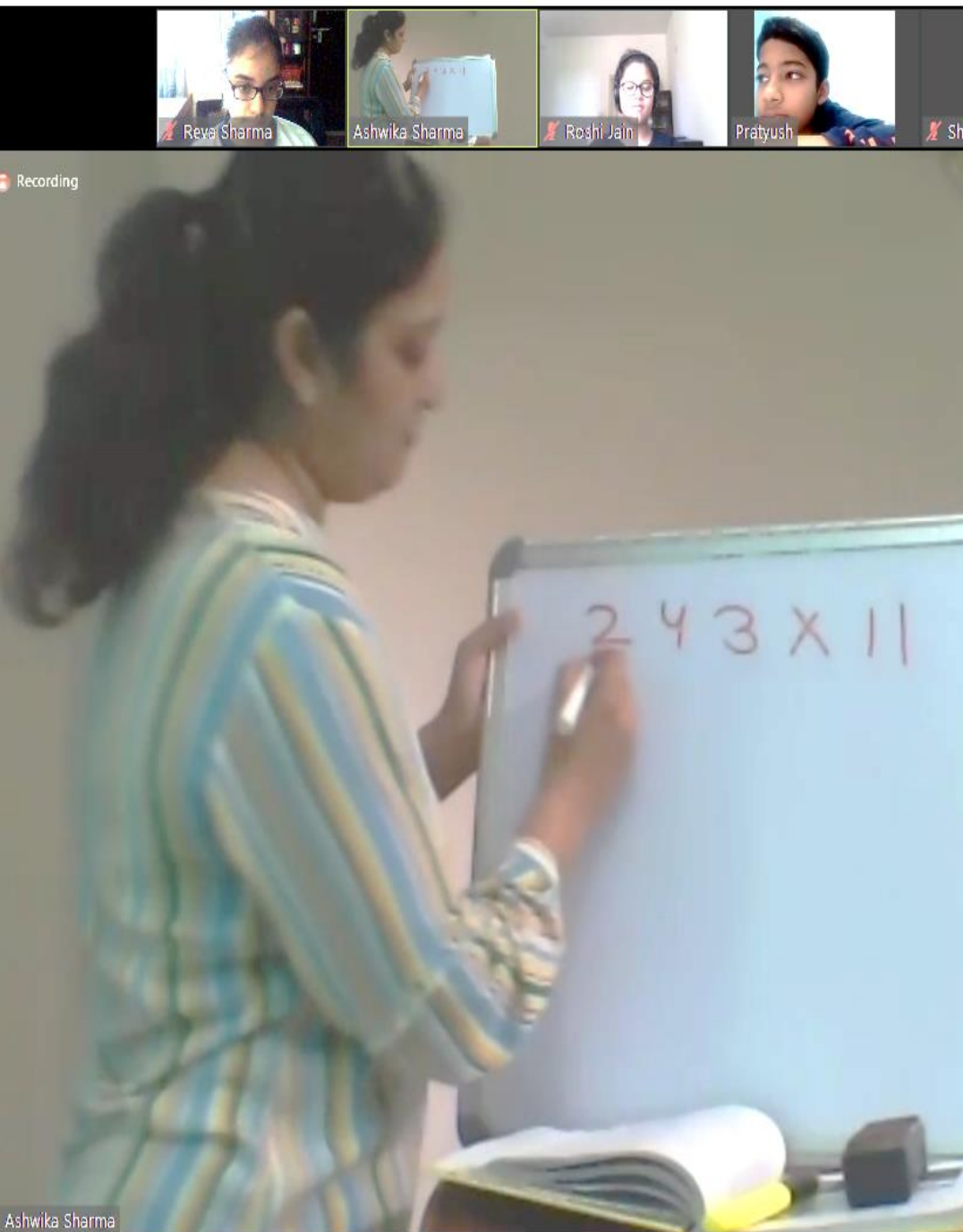




Class VII

Students of class VII worked on the painting of famous artist F. N. Souza , largely responsible for shaping the Modern art movement in India. Students depicted his work in the form of pasting pulses and rice.





Class VII

On 2nd May 2020, Ms Surabhi Sharma, Our Guest Parent, took session on **Vedic Maths** with students of classes 7AB. The Vedic Maths is a collection of Techniques/Sutras to solve mathematical arithmetic in an easy and faster way. It was an interacting session where students got to know about the basics of “Vedic Maths” like doubling and instant multiplication by 11.



Class VIII

Students of Class VIII learnt the techniques of making Rose flowers using home made clay.

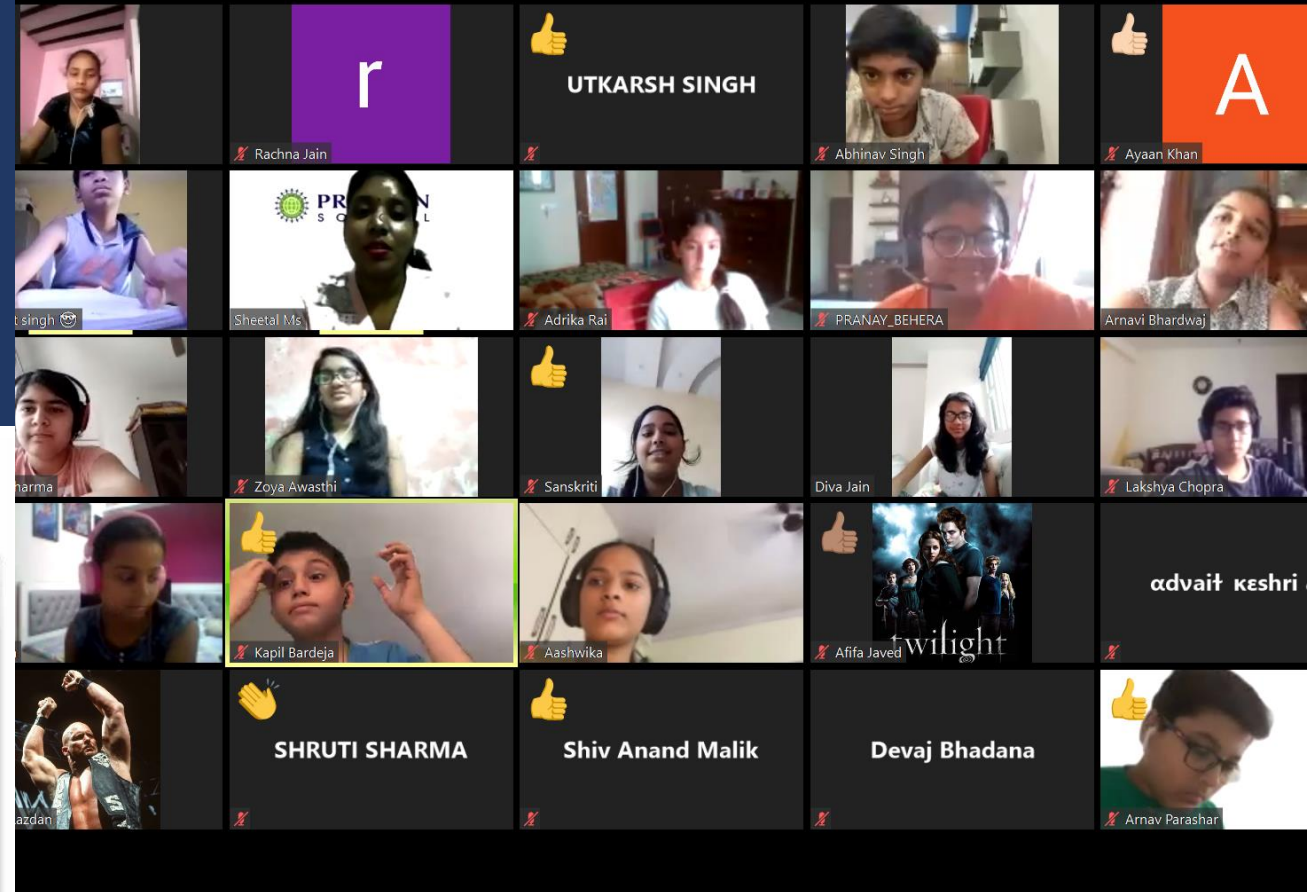
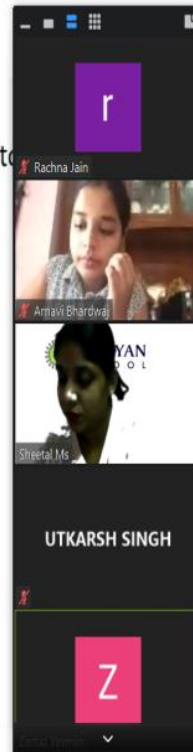


Art Corner

Class VIII

Logical Reasoning

- If Kiran says, "Rocky's mother is the only daughter of my mother", How is Kiran related to Rocky?
- Fill series
- Sample:
 - 16, 25, 36, ?
 - 27, 64, 125, ?
- **3, 10, 101, ??**
- Sample
 - Alpha = Bmqib
 - FIRE=DGPC, what is last letter of SHOT?
- PROSE=PPOQE, LIGHT??



Logical Reasoning Session.

The session on Logical Reasoning was conducted for the students of class VIII by Ms. Sheetal Gupta on 2nd May 2020. The session was thoroughly enjoyed by the students as it gave them an opportunity to check their analytical and logical reasoning skills. The session was quite interactive as everyone was excited to put forth their reasoning.

WEBINARS

Live demo: How to conduct your examinations online

Talking:



Siddhartha Gupta

Chief executive officer,
Mercer | Mettl



Sharad Sharma

Chief product officer,
Mercer | Mettl



Nachiketa Chandra

Director- Product Development
Mercer | Mettl



Kaustubh Bansal

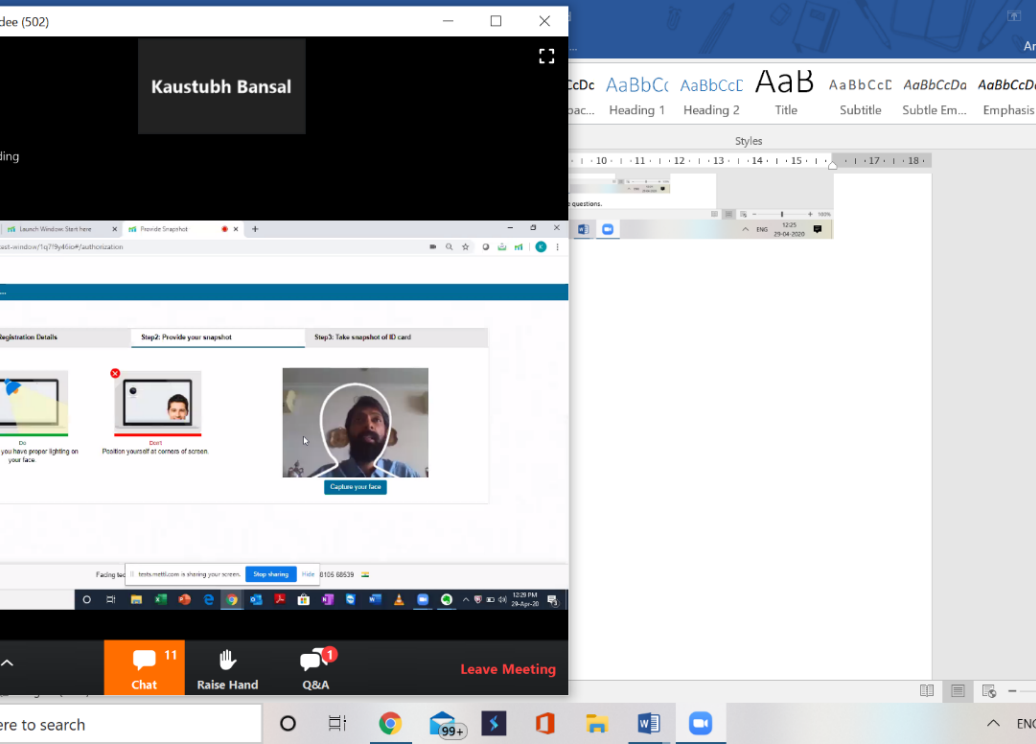
Associate Director- AI & Proctoring
Mercer | Mettl

Ms. Neelima Bhatnagar PGT English, Ms. Shalini Sapru TGT Computer Science, attended the webinar on 29th April 2020.

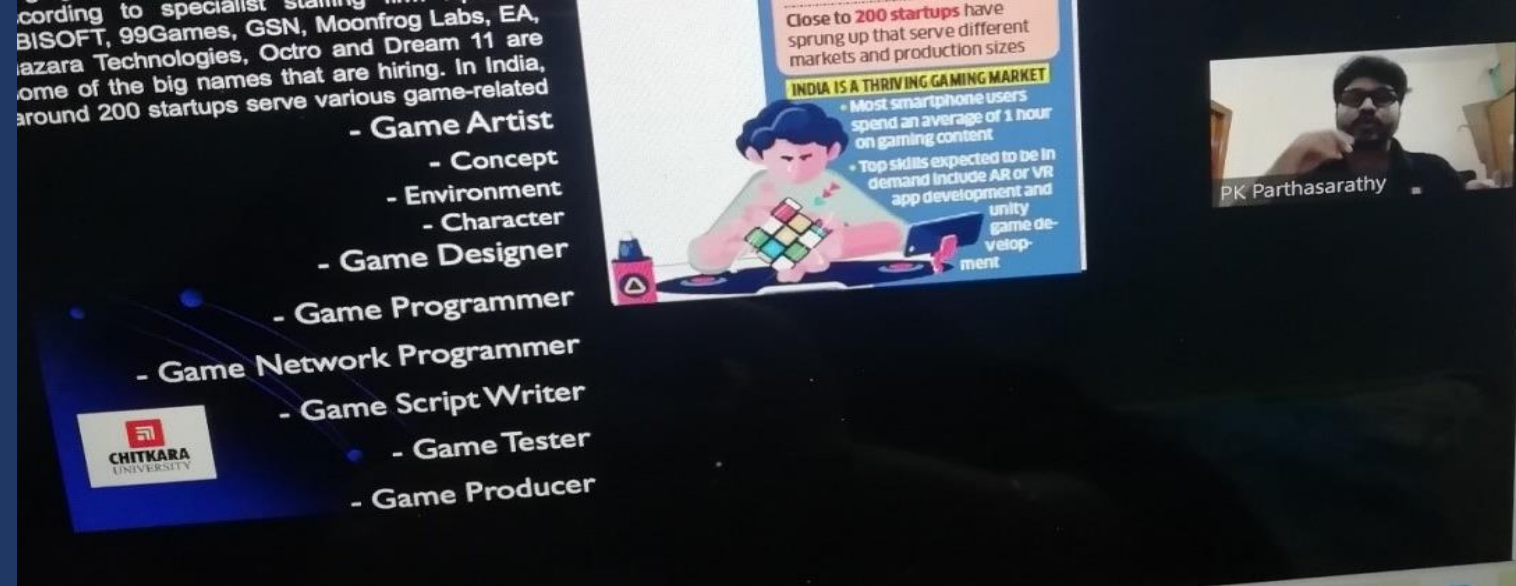
The topic was –“*Live demonstration session on how to conduct online examination*”.

It was organized by Mercer | Mettl.

It was an enriching experience to learn how using AI we can conduct the online examinations.



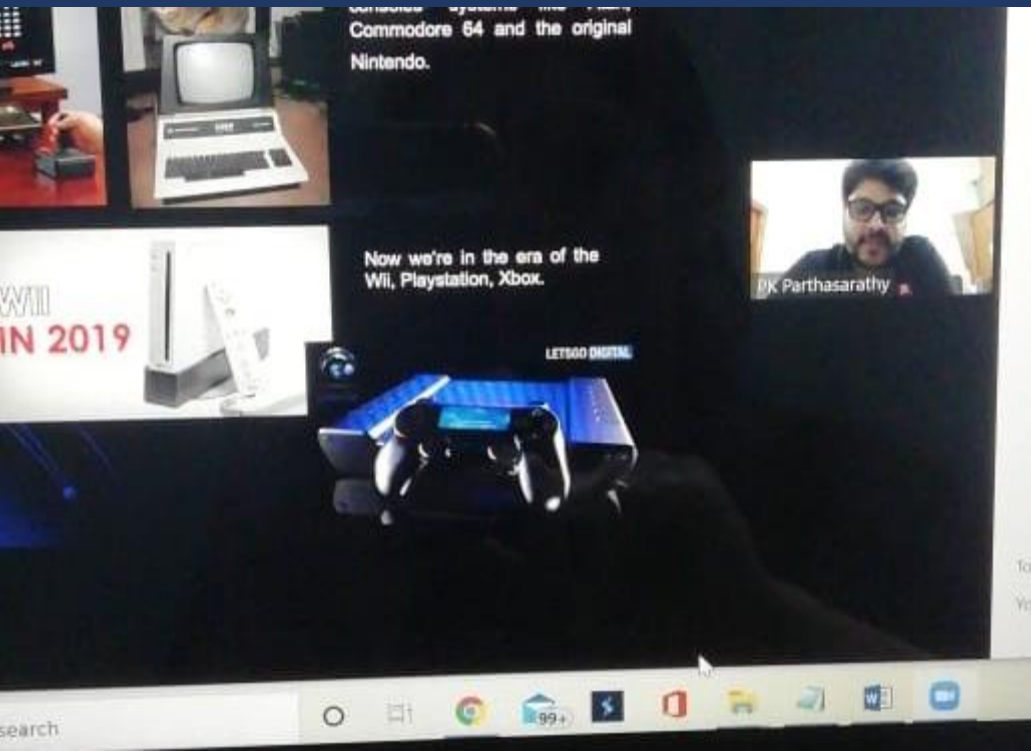
WEBINARS



Ms. Mona Batra PGT computer and Ms. Shalini Sapru TGT computer attended webinar on 25th April 2020. The topic was “Prospective Carrier in Gaming Field”.

It was organized by Great Place To Study, the speaker was Mr. Parthasarathy from Chitkara University. They came to know about the different types of games available and the different platforms on which different games can be played. The three categories of jobs available

in this field ie Game graphics, Game design, Game development, Game testing were also discussed. It was quite informative to learn more about this upcoming field and its applications in the modern world from home entertainment to real life field simulations.



WEBINARS

Methodology- Step 04- Sensitization and inclusion in school activities

Task-06- Create a plan to have regular workshops with kids and parents to sensitize them

Task-07- Integrate walking, Cycling, use of Public Transport, into school curriculum and activities

From Udita Pradhan to Everyone
UDITA PRADHAN, GOVERNMENT SENIOR SECONDARY SCHOOL NAMCHEYBONG ...



78% cities recorded 'good', 'satisfactory' AQI during COVID-19 lockdown: CPCB



- CPCB monitored the cities between March 16 and April 15, 2020.
- The air quality index (AQI) of **78 per cent cities** was 'good' and 'satisfactory' during lockdown as compared to **44 per cent cities** in the pre-lockdown phase.
- During the lockdown period, no city recorded 'very poor' AQI. However, two-four cities recorded 'poor' AQI on some days.
- In Delhi, data generated from continuous ambient air quality monitoring network was analysed from 38 stations; a 46 per cent reduction in PM_{2.5} levels and 50 per cent in PM₁₀ was observed during the lockdown period.

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Ms Anju Singh TGT Science, attended a two day online seminar conducted by GSP on 29th and 30th April 2020, on the topic "Air pollution and its impacts on children". Speakers were Ms. Shrishti Jha, Ms. Tushti Rawat, Ms. Aditi and Ms. Ranjita Menon (Director of CSE), Ms. Shambhavi Shukla (Air Pollution Researcher & Campaigner at Centre for Science and Environment) and Mr. Adarsha Kapoor (Urban designer of creative footprints). They discussed about the source and bad impacts of major pollutants like P.M 2.5, P.M 10 and NO₂, especially on children. They also discussed on sustainable mobility and mainly focused on adopting nonpolluting mode of transport, specially walking and cycling.

KEEP PHYSICALLY FIT



Keeping oneself FIT in this lockdown is an integral part. One should eat healthy food and exercise regularly. The sports teachers of our school have come together with a mission to keep our Pragyan family healthy, by bringing in simple fitness exercises in small videos , the link of the same were shared with the parents. Keep exercising . Keep fit and Stay safe.