



Bal Bharati
PUBLIC SCHOOL
Sector -21, Noida

REPORT ON GOOGLE CLASSROOM

CLASS : XI-A

DATE FROM 1st Dec to 29th Dec

Students of Class **XI-A** attended online classes through Hangouts Meet app as per the Time Table

Additional Links Video/PPT Provided To Supplement The Teaching circulated and were provided the following worksheets, videos and online academic materials to enhance the learning outcome.

Subject & Subject Teacher	Topics Covered	Link / Assignments Uploaded On Google Classrooms	Assessment Taken(Yes/No) (Quiz/Graded Test/Viva/Google Form/Group Discussion)	Mode Of Teaching & Additional Links Video/PPT Provided To Supplement The Teaching
English Rumpa B	Writing Skills - Notice and Poster drafting . Business Letters - placing orders , complaints and	Note Making assignment uploaded in Google classroom . Report Writing exercises were	Yes . Note Making assessment was held on 10 & 11Dec .	Instructive and discursive . Students debated on different topics like "Medical ethics is the need of the hour " . (Ref -

	<p>replies . Letters to School Principal and Editors .</p> <p>Note Making as revision exercise for Round 3 U.T.</p>	<p>uploaded and shared through Google Classroom .</p>	<p>Case Study assessment was held on 24and 28 Dec.</p> <p>Marks of the assessment will be added with the Rd 3 U T .</p> <p>Will be shared with the Students shortly .</p>	<p>Chapter - Birth).</p>
<p>Physics</p> <p>Rani Vaid</p>	<p>Mechanical Properties of Solids</p> <p>Fluids : Coefficient of viscosity ,stokes law, terminal velocity,types of flow,critical velocity ,equation of continuity,Bernoullis Theorem.</p> <p>Thrust , Pressure , Pascal law , applications of Pascal law ,Measuring Atmospheric Pressure .</p>	<p>Case Study on Rotational Motion was uploaded .</p> <p>Video showing animation of Bernoullis Theorem https://youtu.be/UJ3-Zm1wblQ</p> <p>https://www.khanacademy.org/test-prep/mcat/physical-processes/gas-phase/v/pressure-and-the-simple-mercury-barometer</p> <p>Assignments based on short questions and assertion-reason based</p>	<p>Using Group discussion , viva etc student's assessment was taken up .</p>	<p>Ncert textbook</p> <p>Pen tablet was used as mode of teaching</p> <p>Following videos were shown to understand the concept better</p> <ol style="list-style-type: none"> https://youtu.be/r_yqJ2HXoC0 https://youtu.be/UJ3-Zm1wblQ https://ed.ted.com/lessons/the-history-of-the-barometer-and-how-it-works-asaf-bar-yosef

		questions were shared on Google Classroom.		
CHEMISTRY Ms. Vibha Jain	Redox reactions; oxidation reduction balancing of chemical equations electrochemical cells s block elements: Atomic, Physical and Chemical properties	Links and assignments of both the chapters have been uploaded on Google classroom.	Oral assessment was taken as the topics/chapters progress in the form short reasoning questions.	NCERT Book,whiteboard, YouTube videos, https://youtu.be/48dzMoJz91o https://youtu.be/4Bo7AgV069s
Artificial Intelligence Sheetal Sharma	Regression & Correlation Data Analysis Entrepreneurship Skills	<u>Programming with Python</u>	Round 3 Revision of Regression & Correlation	https://classroom.google.com/c/NjkzNjl2MTAyMTFa/m/MjQ5MTE3OTE3MzY2/detail
Computer Science Ms. Meetu Tripathi	Tuples and Dictionaries Societal Impact	Notes on Tuples & Dictionaries uploaded in google classroom.	Round 3 assessment. Class test on tuples and dictionaries taken in the class	NCERT Book

<p>MATHEMATICS</p> <p>ANJALI S</p>	<p>STRAIGHT LINES Conversion of the standard form of the line to the Slope - intercept form, Intercept form, Normal form Angles between two lines Distance of a point from a given line CONIC SECTIONS Introduction to the topic Circle as the first type of the Conic section, equations when the centre and radius of the circle is given Parabola : standard equations, vertex, focus, latus rectum Ellipse and Hyperbola : standard equations, vertices, foci, length of the axes, latus rectum Miscellaneous examples as Case study</p>	<p>Case Study questions discussed Assignment related to the topics uploaded on Google Classroom</p>	<p>YES Round 3 assessment was discussed Project work with peers on the Use of gadgets and technology comparison Group Discussions On the spot evaluation to assess the understanding of the concepts taught and their correct usage.</p>	<p>NCERT Textbook Soft copy of NCERT Textbook Following videos https://youtu.be/51mKcRGNpMU https://youtu.be/NrKTfWghvI0 https://youtu.be/HO2zAU3Eppo https://youtu.be/0TReLDtuafo</p>
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New Initiatives

1. COE Webinars

- a) The Principal **Ms Asha Prabhakar** and the Vice Principal, **Ms Anupama Motwani** were the resource people for a webinar titled **Art Integration as Experiential Learning**. It was held on 7th Dec.2020 and was very well attended by teachers from all over the country.

- b) **Ms Meetu Tripathi** (PGT, Computer Science) and **Ms Meenakshi Gulati** (TGT, Computer Science) were the resource people for a webinar titled **Cyber Safety and Security** held on 14th Dec,2020 wherein they made efforts to create awareness and understanding of Cyber activities.

REC Asha Prabhakar Bal Bharati Public School, Noida is presenting




DID SCHOOLS KILL CREATIVITY - SIR KEN ROBINSON

Participants: Asha Prabhakar Bal Bharati Public School, Noida, and others.

REC Mervu Tipathi is presenting

11:10 AM

CYBER THREATS



YOUR DATA SAFETY

DATA VIRUS, VIRUS, HUMAN ERROR, HACKING, SPYING, CYBER ATTACKS

WIRELESS OPTICAL, SOFTWARE FAILURE, SOFTWARE ERROR, SYSTEM PENETRATION

Participants: Mervu Tipathi, and others.

2. On 11th Dec, 2020, the Career Counselling Cell of the school held an informative webinar for the parents and the students of class XII on **Career Counselling: Career Choice**. The resource person for the same was **Mr Jitin Chawla** the Founder Director of Centre for Career Development located in Delhi.



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Mr. Jitin Chawla is the Founder Director of Centre for Career Development located in Delhi. He and his team have conducted more than 18000 workshops and 260 Career Fairs in Schools & Colleges.

*The Career Counselling Cell BBPS, Noida
Cordially invites Parents and Students of
Class XII to an informative webinar
on **Career Counselling: Career Choice**
by India's TOP Career Counsellor*

Mr. Jitin Chawla
11 December 2020 (Friday)
At 12:30 pm

Registration Link : <https://forms.gle/VStN7sw8D9LXyVnE6>

3. The annual examinations for class XII, session 2020-21 in the offline medium commenced from 16th Dec,2020. Approximately 70% of the class strength decided to take the pen and paper exam, which speaks volumes about the confidence reposed in the school regarding safety standards, despite the COVID-19 threat.



Awards & Achievements - Winning is a way of life at Bal Bharati

Ø **Eti Gupta(XII C)** will be representing Bal Bharati Public School, Noida at the Youth Forum, Switzerland's Global Changemakers Project as she has been selected among the India candidates to attend the prestigious forum.



Ø Our students have done exceptionally well at BRICSMATH, 2020. Their results have brought to fore the hard work and planning put into honing the young learners to perform well at the highest level. Our perfect scorers in the Online Mathematics Competition are-

Sarwagya Prasad (XIIC), Arnav Gupta(XI A), Rohan Singh (XIA), Tanish Jain(XIA) and Harshita Ramrakhiyani(XIC). Creditable performance indeed!



Events & Celebrations:

1. The first online **AI/ML Inter School Fest, OXAMITE** was held on 21st and 22nd December, 2020. The fest was an amalgamation of technology and creativity with eight different events encompassing the vast field of Artificial intelligence aimed at technological brilliance. The Valedictory function that culminated this brilliant event was held on 23rd Dec, 2020. It was live streamed on You Tube and circulated through all social media portals of the school.



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OXAMITE

An AI and ML event organised by Oxanium Club
21st December - 23rd December

AUTODRAW
B-ROLL
DOODLISTIC
GAIMBOT

GOALSGENIX
PIXELERATE
QROS-IT-Y
WEBSRIPT



OXANIUM

Powered by
CODE

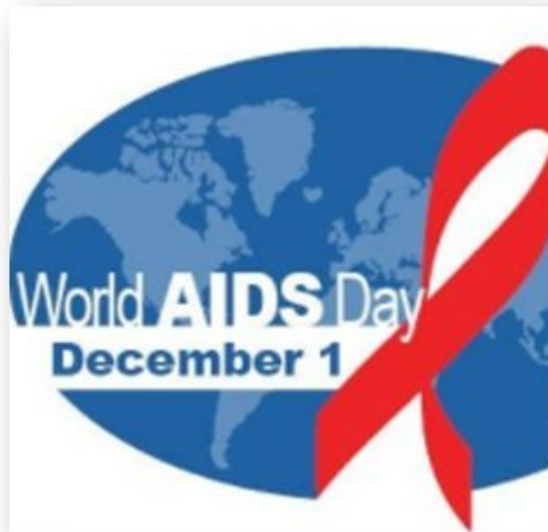


Q16

While at PARC, Tesler's work included Smalltalk, the first dynamic object-oriented programming language, and Gypsy, the first word processor with a graphical user interface (GUI) for the Xerox Alto. During this, along with colleague Tim Mott, Tesler developed the idea of X functionality and the idea of mindless software. While at Apple, Tesler worked on the Apple Lisa and the Apple Newton and helped to develop Object Pascal and its use in application programming toolkits including Mac App. X is widely used in day to day computer acts.

2. Several special days were observed and celebrated in the month of December:

a) On the occasion of **World AIDS Day** (1st Dec.2020), the Health & Wellness Club hosted a webinar titled- 'You don't have to be positive to think positive' along with **Dr KK Agarwal**, Padamshree Awardee, President of Heart Care Foundation of India.



b) On 3rd Dec,2020 a Chat show/ Webinar was held on the occasion of **The International Day of People with Disabilities**. Special invitees and alumni of the school spoke glowingly about the thriving CFSI (Centre for Scholastic Integration) unit of the school.



International
Day of
**Persons with
Disabilities**

3 DECEMBER

c) **World Energy Conservation Day** was observed on Dec 14, 2020. The Principal reminded everyone of the dire need to conserve all energy resources, as the smallest unit of energy conserved by us will contribute to the brighter future of the generations to come.



d) On 22nd Dec,2020, as a tribute to the Pride of the Nation, the great Indian Mathematician, **Srinivasa Ramanujam Iyengar's** 133rd birth anniversary was observed by releasing a Math e-magazine- **Mathoscope**, with the students and their parents through the social media portals of the school.

"Exploring π is like exploring the universe" - David Chalnoisky

One of the most important numbers in our universe is the number π . π is the 16th letter of the Greek alphabet and is used to represent the most widely used mathematical constant. It's the ratio of the circumference of a circle to its diameter—a number just a little bit bigger than three.

Let's Have some FUN with π !

Exploring π

Pi Skylines
Students plotted the decimal expansion of π on Bar graphs and thereby created beautiful skylines.

Derivation of Pi
Students discovered the relation between the circumference and diameter of a circle and hence derived the approximate value of π .

Pi into artwork
Students created circular artwork by joining the decimal values of π written around the circle. They used threads, string, balloons, colors, and paper cutouts to create beautiful patterns, mandala art.

Trivia
Do you know π inspired a national holiday in the USA thousands of years after its discovery? It all started with a physicist, inventor, and media specialist Larry Shaw. On 14th of March 1988, he gathered at a retreat along with his staff in Monterey, California, to send search and transmits. It was there that Shaw linked March 14 (3.14) with the digits of π (3.14159...), seeing it as an extraordinary opportunity to bring staff together. And that is how it Day was born. March 14, the annual celebration of a never-ending number is also celebrated as Albert Einstein's birthday.

Mathoscope | Page 3

Integrating Math to Daily Life

Across all cultures, we use the principles of mathematics to help us with everyday life. From playing games to baking cookies, we use the language of mathematics every day. This universal language of numbers connects all of us, human beings.

MATH IS EVERYWHERE !! PERCENTAGE %

Geometry in Daily Life

Sports is linked with algebra, geometry, arithmetic, decimal places and rationality. The teams have officials who collect data, take decisions, set records and produce performance statistics which can be viewed to plan and optimize future training for the players.

Doctors need to form shapes, angles and lines with their arms and legs. For this, they need to understand geometry as the steps should be properly visible.

How many characters make a Tree? Earlier it was 142 but now it is 200!

Follow School Twitter Handle [@BalBharatiNoida](#)

Mathoscope | Page 4

Math 'o' Art

Art - Integrated education was firmly embedded in the classroom transactions not only for creating joyful classrooms, but also for imbuing the Indian ethos through integration of Indian Art and Culture in the teaching and learning process at every level. Art integrated approach will eventually strengthen the linkages between Education and Culture in the long run.

Class VI
A collage of famous architectures of Arunachal Pradesh, Meghalaya & Uttar Pradesh with the lines of symmetry of each monument was prepared.

Class VII
Bamboo Bridge "Nara" East India has one of the most unique bridges in India, made of ropes, bamboo and living roots such as Hanging Bridge in Arunachal Pradesh, Bamboo Bridge in Mizoram and Living Root Bridge of Meghalaya. The engineers that design the bridges, use a lot of math in order to find the dimensions and to make them.

Class IX
Mathematical Art - Tessels
Students explored the shapes and artists tessie patterns of the tiles of Arunachal Pradesh and Meghalaya.

Class X
Drawing Elementary air ancient craft of Meghalaya. Students explored the meaning technology and identified the Mathematical concepts involved in the art form.

Class VII
The students explored the beauty of symmetry in Bamboo architecture of Arunachal Pradesh and Meghalaya. In these pictures, they identified mathematical shapes and lines of symmetry involved in architecture.

Click on the Right Below to follow us on Instagram!

Mathoscope | Page 5

Mathoscope
BAL BHARATI PUBLIC SCHOOL, NOIDA

Calculus
 $\sin^2 + \cos^2 = 1$
 π
 \sqrt{x}
 $\frac{1}{x}$
 $\frac{1}{x^2}$
 $\frac{1}{x^3}$
 $\frac{1}{x^4}$
 $\frac{1}{x^5}$
 $\frac{1}{x^6}$
 $\frac{1}{x^7}$
 $\frac{1}{x^8}$
 $\frac{1}{x^9}$
 $\frac{1}{x^{10}}$
 $\frac{1}{x^{11}}$
 $\frac{1}{x^{12}}$
 $\frac{1}{x^{13}}$
 $\frac{1}{x^{14}}$
 $\frac{1}{x^{15}}$
 $\frac{1}{x^{16}}$
 $\frac{1}{x^{17}}$
 $\frac{1}{x^{18}}$
 $\frac{1}{x^{19}}$
 $\frac{1}{x^{20}}$

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Important circular

- Annual Exam Datesheet - XII

ANNUAL EXAMINATION (CLASS XII) SESSION- 2020

The school will be holding Annual Examination for the class XII students in the pen paper mode so as to ensure their preparedness for the Board Examination to be held in 2021.

DATE	DAY	SUBJECTS	SECTIONS	NO. OF STUDENTS	ROOMS ALLOTTED
16.12.2020	WEDNESDAY	POLITICAL SCIENCE	D	33	IX - A, B, C (11 Students in each room)
17.12.2020	THURSDAY	BUSINESS STUDIES	C	47	IX - A, B, C, D (12 Students in each room)
21.12.2020	MONDAY	HOME SCIENCE PSYCHOLOGY	D B,D	30 25	IX - D (10 Students in each room) IX - A, B, C (10 Students in each room)
22.12.2020	TUESDAY	MATHS (2 Shifts)	A, B, C, D	105	1st shift For Sec A and B IX - A, B, C, D X - A, B (11 Students in each room) 2nd shift For Sec C and D VI - A, B, C, D (10 Students in each room)
23.12.2020	WEDNESDAY	PHYSICAL EDUCATION	B, C, D	14	IX - A, B (7 Students in each room)
24.12.2020	THURSDAY	ENGLISH (2 Shifts)	A, B, C, D	157	1st shift For Sec A and B IX - A, B, C, D X - A, B, C (10 Students in each room) 2nd shift For Sec C and D VII - A, B, C, D (10 Students in each room)
28.12.2020	MONDAY	CHEMISTRY	A, B	77	IX - A, B, C, D (11 Students in each room)
29.12.2020	TUESDAY	LEGAL STUDIES ENTREPRENEURSHIP	C, D C, D	22 16	IX - A, B, C, D (10 Students in each room)
04.01.2021	MONDAY	PHYSICS	A, B	77	IX - A, B, C, D (11 Students in each room)
05.01.2021	TUESDAY	HISTORY ACCOUNTS	C, D C, D	07 47	IX - A, B, C, D (11 Students in each room) X - A (11 Students in each room)
07.01.2021	THURSDAY	COMPUTER SCIENCE	A	37	IX - A, B, C, D (10 Students in each room)
08.01.2021	FRIDAY	IS /IBDY PRINTING/HINDI	B,D	17 (IBD) 18 (IS) 12 (HINDI) 12 (PRINTING)	IX - A, B, C, D, X-A,B (10 Students in each room)
11.01.2021	MONDAY	ECONOMICS	B, C, D	60	IX - A, B, C, D (10 Students in each room) X - A, B (10 Students in each room)

NOTE:

The Annual Examination will be held in the Pen and Paper Mode in the school premises.

Examination Timing :

1st shift

Timings : 09:15am - 12:30pm
Duration : 03 Hrs 15 min.
Mode of Exam : Offline (Pen and Paper)
Maximum Marks : As per CBSE Blueprint

2nd shift

Timings : 10:15am - 01:30pm
Duration : 03 Hrs 15 min.
Mode of Exam : Offline (Pen and Paper)
Maximum Marks : As per CBSE Blueprint

- All students are to report to school on their own, 15 Min. before the commencement of the examination.
- Parents are to make arrangement for pickup of their wards immediately after the exam is over.
- Students must maintain the Pandemic Protocol, must carry Sanitizers and wear a mask. No entry without mask.
- Doubt session of 02 hours duration will be conducted by the respective Subject teachers one day prior to the day of exam. Timings will be notified by the respective subject teachers.
- Blueprint of each paper for all classes has been shared in respective broadcast groups.
- The decision to appear for the offline examination is purely voluntary.

Dated : 15 Dec, 2020

Anupama Motwani
Vice Principal

Asha Prabhakar
Principal



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