Bal Bharati PUBLIC SCHOOL
Sector 12, Dwarka

Newsletter

DISCOVERIUM '25

"SCIENCE IS THE POETRY OF REALITY."

FROM THE PRINCIPAL'S DESK

Science is the foundation for understanding the complexities of the world and the universe, offering answers to life's mysteries, the intricate workings of the ecosystems, and the marvels of technological advancements. Recognizing its transformative power, the school aligns its approach with the National Education Policy (NEP) emphasizing the importance of experiential learning to make science both engaging and relevant.

Students are encouraged to delve deeper into scientific concepts through interactive experiments that bring theories to life in subjects such as Physics, Chemistry, and Biology. Field studies take learning beyond the classroom, providing opportunities for students to explore the natural world through activities like environmental surveys, nature walks, and astronomy nights. These experiences inspire curiosity, foster critical observation, and strengthen their connection to the environment.

In addition to these immersive experiences, the school organizes innovation challenges such as science fairs and ideations, where students design creative solutions to real-world problems. These challenges not only enhance their problem-solving skills but also encourage them to think critically about global issues and how science can address them.

By bridging theoretical knowledge with practical application, the school cultivates a deep scientific temperament among students. These initiatives empower them to become future-ready innovators, equipped with the skills and mindset to tackle global challenges responsibly and contribute meaningfully to society as informed global citizens. Through its commitment to experiential learning, the school ensures that science remains a dynamic, accessible, and transformative field .

BBPS HACKATHON

Triumph Unveiled

The recent hackathon was an unforgettable experience, which tested not only our technical skills but also our ability to solve problems under pressure, manage time effectively, and communicate seamlessly as a team.

Team Career Catalyst (PS 11).
Aahana Singh, Natisha Taneja, Keyaan Javed, Ritwiz Gupta, Jayant Dahiya

Team Code Crusaders (PS 05)
Gitanjali Thiyagrajan, Khanak Gupta, Sanskar Gupta, Raghav Gupta, Rajnarayan Dutta

Team Portal Creatures (PS 04)
Jasmitha Srivastav, VIdhi ,Inaya sharma, Avantika Singh

Team Code Crusaders (PS 06)
Monisha Aggarwal, Shivam Pal, Tanisha Mishra, Haranshjeev Singh Bedi, Palak Jha

Mind Guardians (PS 08)
Daiwik Srivastav, Khushi Vats, Durgesh Nandan, Daksh Gupta

BBPS HACKATHON

Tiny Tales, Endless Insights

Palak Jha
(XII-B)

BBPS Hackathon 1.0 was an incredible journey. The competition highlighted our skills, teamwork, and mentorship's value. Grateful to the organizers and mentors for their support!

The Hackathon was an unforgettable experience! Presenting 'JOBGENIE,' gaining feedback, and winning the trophy made it truly special. Grateful to the teachers and judges for their support!

Inaya Sharma
VIII-B

I am thrilled to be part of the winning hackathon team. The experience was both challenging and enriching. A heartfelt thank you to our Principal and CES for their unwavering support and fostering a culture of innovation.

Neha Budhiraja
TGT(Social Science)

Participating in the hackathon enhanced the coding and problem-solving skills of students. Grateful to our Principal and the Child Education Society for their support in fostering future-ready skills.

Sony Devatwal
PGT(Comp. Sc.)

TRANSFORM, DISCOVER, EXCEL: ADVANCED SCIENCE UNLEASHED

Raman Awards

Shreya Sharma of Class X-D, BBPS Dwarka, participated in the Raman Young Science Innovator (RYSI) competition on 15th October 2024. Guided by Ms. Swati Arora, her DIY centrifuge project advanced to Stage 2, showcasing innovation for resource-limited settings. She later earned a national finalist spot with her DNA extraction project from banana plant tissue, bringing pride to the school.

Victory Tale

Clearing the first level of the Raman Awards and becoming a national finalist has been an enriching experience. I am grateful to Swati Arora Ma'am for her guidance and to BBPS Dwarka for the support and opportunities that made this journey possible.

Zonal Science Exhibition

BBPS Dwarka secured third place at the Zonal Level Science Exhibition on November 13-14, 2024, at Government Sarvodaya Vidyalaya. Avyaa Jain (XI A) and Pratyush Yadav (XI B) under the guidance of Ms. Parul Priya and Ms. Ishu Aggarwal showcased an innovative project, gaining recognition for creativity and scientific insight.

INNOVATING AGRICULTURE, PROMOTING SUSTAINABLITY

The "Kisan Suvidha" project is transforming home agriculture with an innovative automated greenhouse system that uses sensors to monitor temperature, humidity, soil moisture, and light. This controlled environment allows individuals to grow plants year-round, regardless of seasons, promoting energy efficiency and climate-resilient farming. By integrating IoT technology for real-time data analytics and automation, it fosters sustainable agriculture practices.

Driven by a team of experts, "Kisan Suvidha" engages audiences through platforms like Instagram and YouTube, partnering with organizations like Krishi Vigyan Kendra for real-world testing. Future plans include incorporating AI and expanding globally, making agriculture more sustainable and accessible while addressing climate challenges.

AWARDS AND ACCOLADES

1. INSPIRE MANAK Award Recognizing its contribution to innovation and sustainable development.
2. 1st Place at the Regional Level Demonstrating strong impact and innovation.
3. 3rd Place at the State Level Cementing its potential and excellence.
4. Top 50 in the ATL (Atal Tinkering Lab) Competition – Highlighting technological excellence.
5. Top 100 in the Youth Ideathon Showcasing its relevance and appeal.

HONORING HARD WORK

JEE ADVANCE SELECTION

ADITYA RAWAT
99.64

ISHIKA ACHARYA
99.02

KHUSHI SAINI
98.3

SAMBHAV SHARMA
98.14

ANANYAJ GUPTA
96

RUHANSH BANSAL
95.83

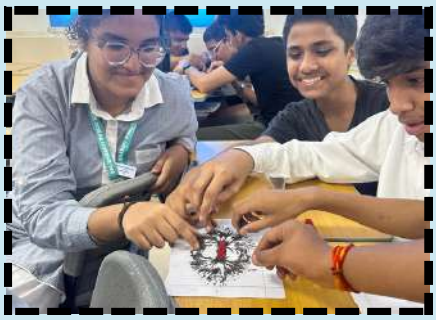
NEET 2024 SELECTION

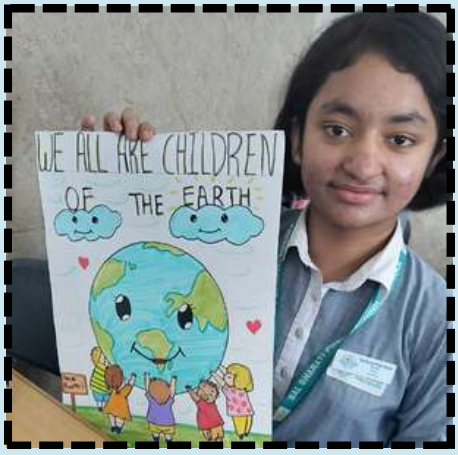
AMAN VERMA
Atal Bihari Vajpayee institute of medical sciences and Dr Ram Manohar Lohia hospital, New Delhi

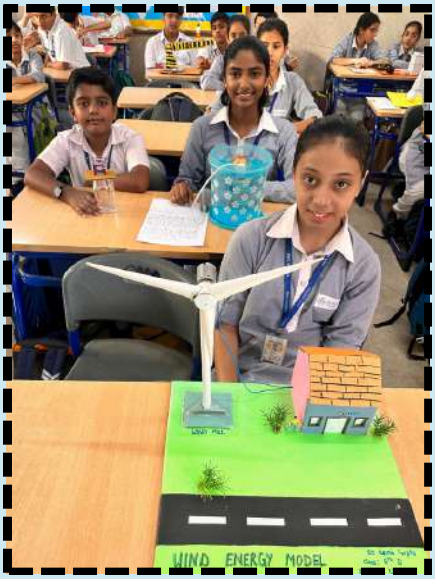
Mukhyamantri Vigyan Pratibha Pariksha (MVPP) 2023-2024

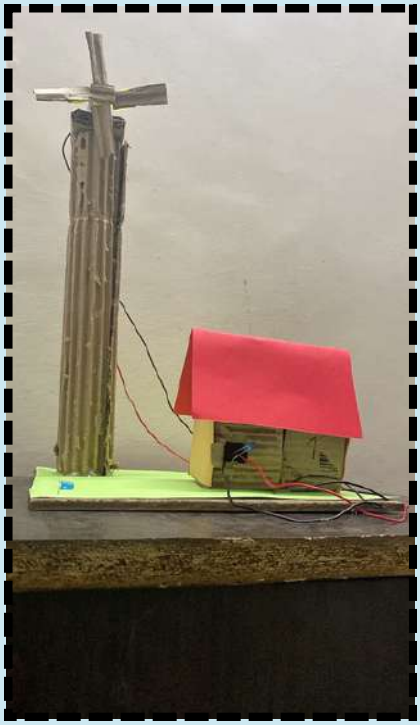
NAIRIT JINDAL, PARTH NIJHAWAN, ANUNITA NALLA, POOJA CHHEDWAL, SARTHAK KAUSHIK, AASHI JALAN, RIPUNJAY RAGHAV, ISHAAN NARULA, DIVYA KUMAR, ANANMAY GUPTA, DEVANSH KUMAR, SHEKHAR GUPTA, SARTHAK JAIN, DEVAGYA SHRIVASTAVA, RIDDHESH KUMAR

A JOURNEY THROUGH SCIENCE: ENGAGING ACTIVITIES AND EVENTS









OUR SCHOOL THROUGH THEIR EYES: PARENT TESTIMONIALS

Fayal Javed
M/O Keyaan Javed(XI-B)

I am grateful for the nurturing environment and dedicated teachers. All my three children have thrived in academics, extracurriculars, and values. The school feels like a second home, fostering growth, confidence, and lifelong memories.

Kousikee Chattopadhyay
M/O Ishaan (IX-E)

School has been instrumental in shaping my son's development. His interest in science has grown under the guidance of excellent teachers and engaging teaching methods. The school's support has boosted his confidence. I'm grateful for the foundation it has built for him.

Archana Singh
M/O Ayushi Singh(XI-B)

My elder child, graduated in 2020, and my younger, now in 11th grade, have bloomed here. The dedicated teachers and well-rounded curriculum have left a lasting impact. BBPS is a nurturing community that brings out the best in every child.

Anny
M/O Avani (IX-A)

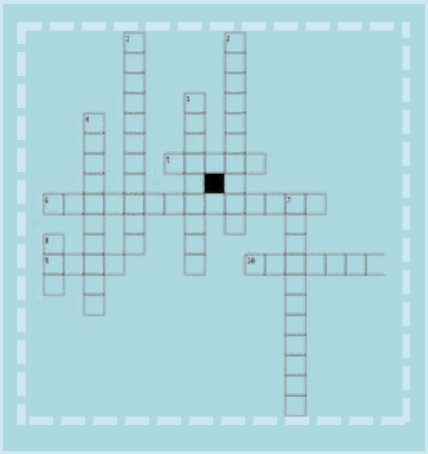
I'm grateful for the strong community bond the school fosters. School events and competitions have boosted her confidence and sense of pride. BBPS provides an inclusive environment where students feel valued and inspired to thrive.

Prachi singh
M/O Aahana Singh(XI-D)

My elder daughter Devanshi credits her success to the school's nurturing environment, while Aahana continues to thrive in academics and extracurriculars. BBPS has empowered my daughters to grow into confident, ambitious individuals.

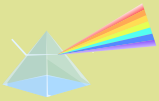
CURIOSITY CORNER

Crossword #1



Down

1. What is the system in the human body that pumps blood?
2. A source of light that forms a rainbow when passing through a prism.
3. What is the study of stars, planets, and the universe?
4. What is the name of the tool used to see tiny objects like cells?
7. Who is the scientist who proposed the law of gravity?
8. What is a state of matter with no fixed shape, like oxygen or nitrogen?



DID YOU KNOW?

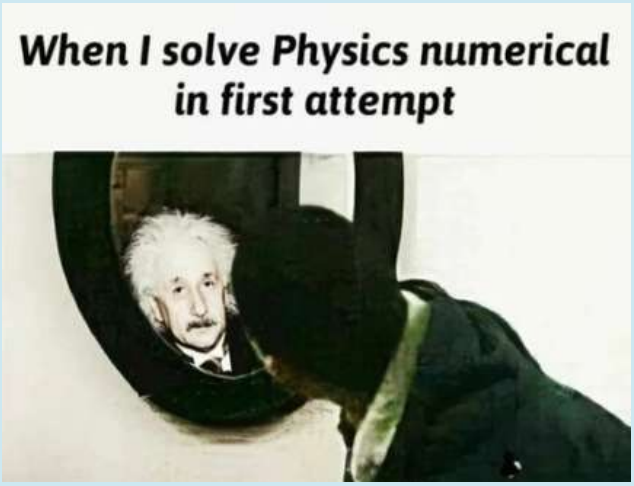
Your stomach gets a new lining every 3-4 days to prevent it from digesting itself!

A teaspoon of neutron star material would weigh about 6 billion tons on Earth!

Octopuses have three hearts, and two of them stop beating when they swim.

Light takes about 8 minutes and 20 seconds to travel from the Sun to Earth.

FROM NEWTON TO LOLS: SCIENCE MEMES FOR ALL AGES!



Laugh Out Loud

1.Why don't scientists trust atoms?
Because they make up everything

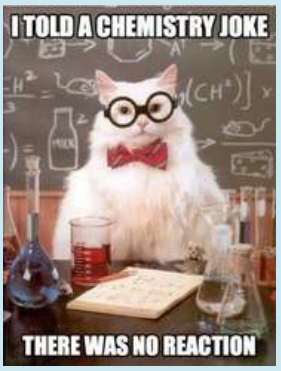
2.Why don't skeletons ever get in arguments?
They don't have the nerve.

3.Why did the physics book break up with the math book?
They didn't have enough chemistry.

4.Why did the proton break up with the electron?
Because they had too much potential energy!

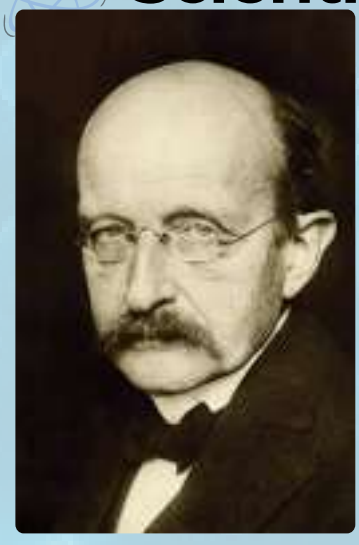
5.Why are chemists great at parties?
Because they know how to react!

6.Why can't plants play hide and seek?
Because they're always rooted.



SPOT THE SCIENTIST: A QUESTION OF DISCOVERY!

Scientist #1



HINT

Known for laying the groundwork of quantum theory, revolutionizing our understanding of atomic and subatomic processes.

QUESTIONS

1. What is the smallest unit of energy in quantum theory called?
2. What is the constant named after Max Planck?
3. What was Max Planck's field of study?
4. Planck's work addressed which "crisis" in classical physics?

ANS: 1.Quantum, 2.Planck, 3.Physics 4.Ultraviolet
He was Max Planck

Scientist #2

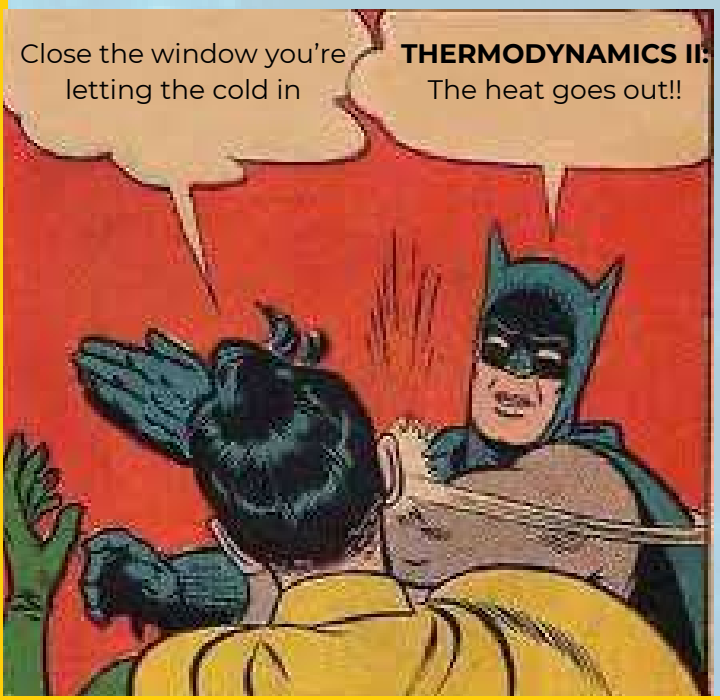
HINT

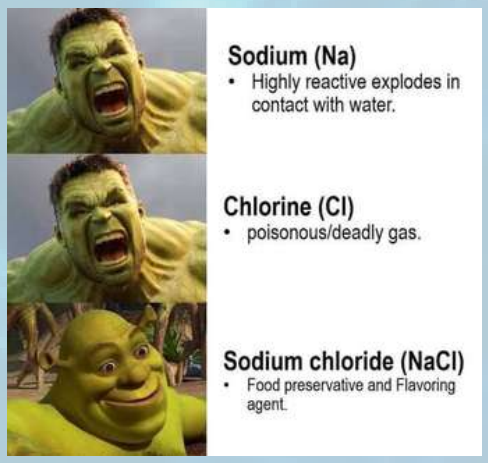
He is famous for proposing Avogadro's Law, which states that equal volumes of gases, at the same temperature and pressure, contain an equal number of molecules.

QUESTIONS

1. What is the name of the law that Amedeo Avogadro is famous for?
2. Which field did Avogadro contribute to?
3. What term refers to the number of molecules in one mole?

ANS: 1.Avogadro's Law, 2.Chemistry, 3.Avogadro's, 4.equal volumes of gases, at the same temperature and pressure, contain an equal number of molecules.
He was Amedeo avogadro





EDITORIAL TEAM
Keyaan Javed (XI-B), Aahana Singh (XI-D) Avani (IX-A), Mannat Arora (IX-E),