WHERE CURIOSITY TOOK THE LEAD : A SCIENCE EXHIBITION VISIT

Loreto Day School, Sealdah, hosted an engaging science exhibition, showcasing inventive student models, hands-on experiments, and live demonstrations. Students of **Julien Day School** were honoured invitees, witnessing the creativity, curiosity, and spirit of tomorrow's young scientific minds.

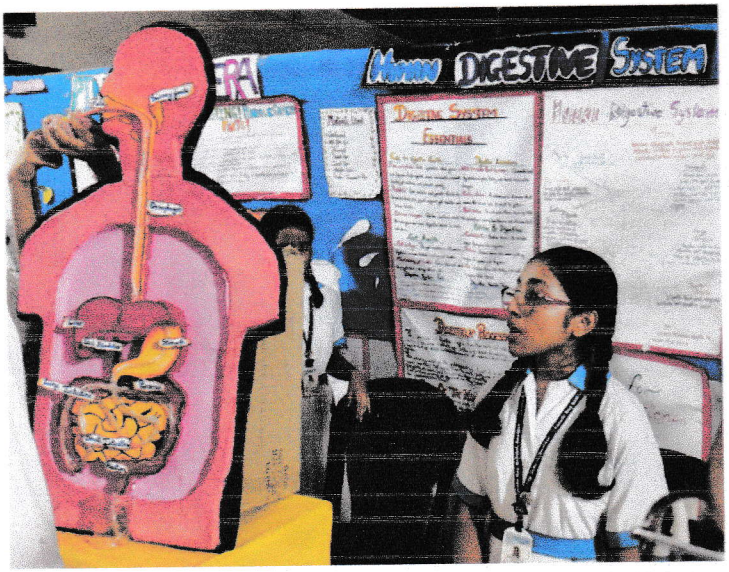
Class XI students observe with enthusiasm, *gaining insight into the practical purpose of science in everyday life.*

On 30th July, we had the opportunity to attend a science exhibition that brought together students from various schools. The event was held at one of Kolkata's prestigious **Loreto House School, Sealdah,** where the ambience was bright, welcoming, and full of curiosity. It was exciting to see so many young students gathered in one place, each proudly sharing their unique ideas and love for science. The atmosphere was lively, with colourful displays, interactive models, and lots of eager conversations between participants and visitors. Students stood beside their projects, explaining them clearly and confidently to anyone who asked questions. Every corner of the hall was filled with creativity and learning. It was a joy to see how science was being explored in fun and thoughtful ways.

As we moved from one exhibit to another, it became clear that these students were not just showing their work—they were showing their hopes for a better world. Their projects were not only interesting but also useful, and many of them focused on solving everyday problems. If used in real life, these ideas could help protect the environment, improve health, or make daily life easier in several meaningful ways. Seeing their confidence and how clearly they explained their work was truly inspiring. It made us realise that science is more than books and theories —it is a way to make the world better. These students were using science to bring change and showed that even young people can think big, dream fearlessly, and act with purpose.

One from many of the fascinating sections of the exhibition was the demonstration of biological processes. Students created impressive models and visual presentations that simplified complex systems in the human body. A detailed **3D model of the DNA helix** captured everyone's attention, as students explained how genetic information is stored and transmitted. Equally engaging was a working model of the human respiratory system, complete with moving parts to show how air travels through the nose, trachea, and lungs. These exhibits not only showed a strong grasp of biology but also helped the visitors understand the science behind how our bodies function.

Junior class students observe with enthusiasm, *gaining insight into the practical purpose of science in everyday life.*



Loreto students confidently explain and demonstrate the working of the digestive system, *turning classroom theory into a vivid, hands-on learning experience.*

Reading about biology in textbooks is informative, but seeing these biological models right in front of our eyes was something entirely different—almost magical. The effort and precision with which students crafted each model were truly commendable. Their dedication to presenting detailed and accurate representations of complex systems like the DNA helix and respiratory system reflected not just hard work but genuine interest and enthusiasm. It was clear that a lot of thought went into making these models both educational and visually striking. Their ability to blend creativity with scientific understanding showed just how innovative and capable these young minds truly are. Each model not only made science easier to understand but also sparked curiosity among visitors. Their commitment to excellence, both in execution and explanation, made this section one of the most memorable experiences of the exhibition.

One exhibit that quite literally stole the spotlight was a working volcano model, carefully constructed with attention to detail and creativity. It was made using ammonium dichromate, with the reaction initiated by combining potassium permanganate ($KMnO_4$) and glycerine to start the fiery eruption. As the volcano came to life with glowing sparks and ash-like smoke, students and visitors alike stood mesmerised. The realistic eruption effect closely mimicked an actual volcanic explosion, and the sight was nothing short of spectacular. The team behind this project had invested a great deal of time and effort, both in building the volcano and in mastering the chemistry behind it. Their clear explanation of the process and confident demonstration earned them wide appreciation and applause.

Another highlight of the exhibition was a simple yet powerful demonstration of generating electricity using lemons. Students inserted zinc and copper plates into several lemons and connected them with copper wires to form a circuit. The chemical reaction between the metals and the citric acid in the lemons generated a small but measurable electric current, enough to light up a tiny bulb. This experiment not only showcased the principles of electrochemistry in a fun and accessible way but also highlighted the students' innovative thinking and practical application of classroom concepts. Their clarity in explaining the process and the sheer creativity of using such an everyday item to produce electricity drew both attention and admiration.

The contribution of the junior students was especially heartwarming and impactful. Despite their age, they demonstrated remarkable awareness and concern about serious issues such as pollution and global warming. Their models and posters were not only colourful and eye-catching but also packed with important messages. One standout exhibit was a detailed model demonstrating the effects of acid rain. Using miniature buildings, trees, and clouds, they clearly showed how harmful gases released into the air mix with rainwater and damage both natural and man-made environments. The simplicity of the model made it easy to understand, even for younger visitors, and the juniors explained the process with surprising clarity and confidence. Their enthusiasm, creativity, and strong sense of purpose were truly admirable. These young voices echoed a powerful reminder that awareness and action can begin at any age.

Julien Day students appreciate the hard work of Loreto students *as they raise awareness about acid rain through thoughtful and creative models.*

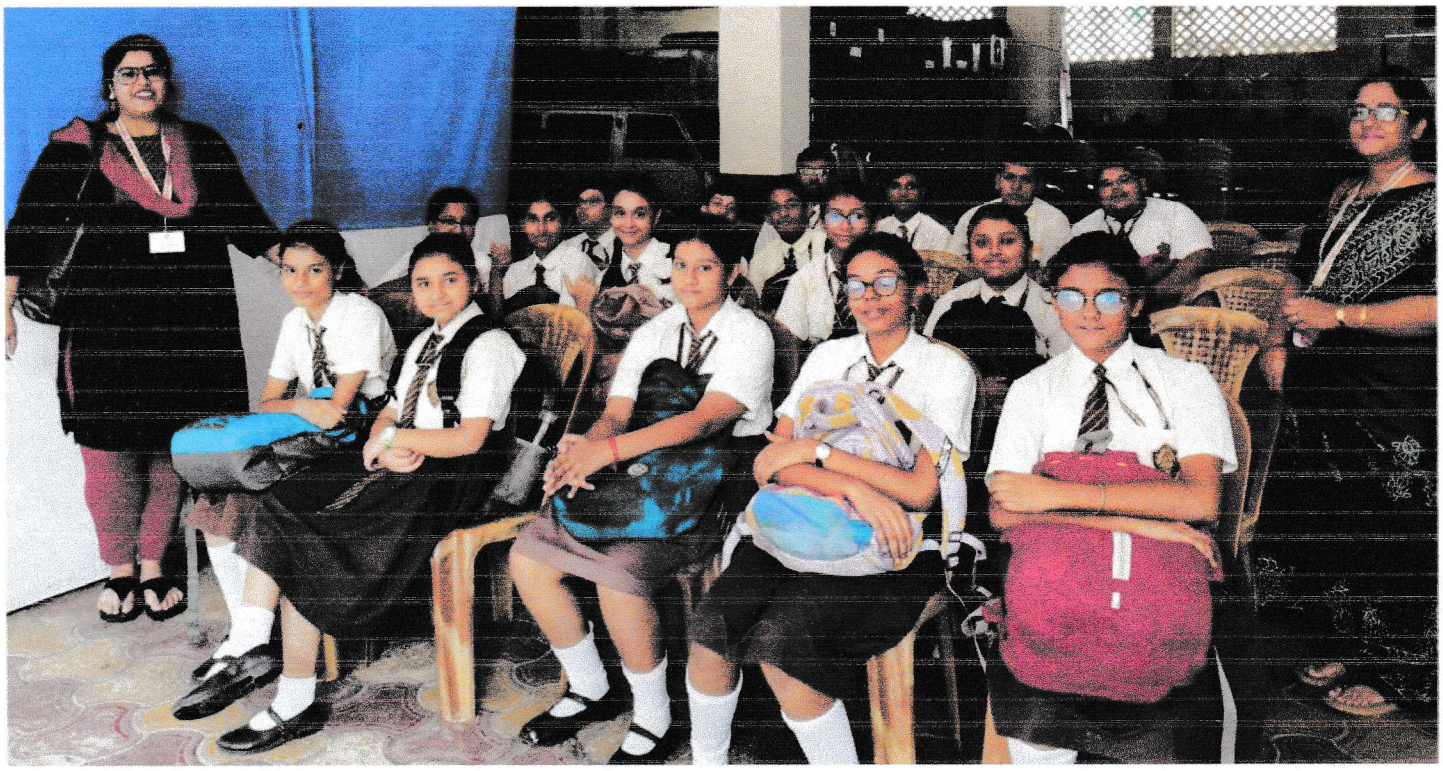
A display of dedication*—students put in remarkable effort to bring science concepts to life through hands-on models and demonstrations.*

Attending the science exhibition was a truly memorable and inspiring experience for all of us from **Julien Day School**. From the moment we stepped into the auditorium, we were surrounded by curiosity, excitement, and a deep love for science. The hall was alive with colourful displays, interactive models, and enthusiastic student presenters who explained their work with confidence and clarity. What impressed us most was the effort and detail behind every project—it was clear these students had put in serious time and thought. Their creativity and dedication showed that science is not just a subject, but a way to explore and solve real-world problems. We returned with a new appreciation for how powerful and exciting learning can be outside the classroom.

This visit gave us a fresh outlook on science and education. Seeing students use scientific knowledge to address real issues like environmental protection and health made us realise how important creativity and innovation are. The acid rain model by the junior students especially stood out—it was simple, effective, and left a lasting impression. As representatives of Julien Day School, we felt proud to have witnessed such dedication and brilliance. The exhibition didn't just teach us about science; it reminded us that young minds can imagine, create, and lead the way toward a better future.

"From small sparks come great discoveries."

— Inspired by scientific curiosity



The exhibition left us with lasting memories and a renewed sense of curiosity.
It reminded us that science is a journey of discovery, not just study.
We feel grateful for the experience and inspired to explore more ourselves.
Events like these truly shape the thinkers and changemakers of tomorrow.

~Students of Julien Day School, Howrah

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