





**Publisher**  
Fr. P. T. Joseph, S. J.  
Principal, Loyola School  
Thiruvananthapuram

**Coordinator**  
Fr. Roy Alex, S. J.

**Editing & Design**  
James Thomas

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Deepu M.





## From the Principal's Desk...

In October, Loyola School organized the Art and Science exhibition which was a huge success. The ingenuity and creativity of our students found expression during the exhibition. I am sure, those children who took part in it are going to benefit from the experience.

The transformation of our KG children was visible during their sports day. Their ability to collaborate and compete was amazing.

Finally, the festive spirit of Christmas has engulfed us all. This edition of LENS brings out all these events.

I wish everyone a Happy New Year.

**Fr P.T. Joseph, S.J.**

# Christmas Special Assembly



Christmas Message by the Chief Guest, Fr Swaminathan Krishnamurti, S.J.















Principal Fr P.T. Joseph SJ's Christmas Message



Fr Roy Alex, SJ's Christmas Message





# LOYOLITES *in The* LIMELIGHT



Abhinand M. Nair (VIII D) won the Second Prize in Light Music at ASISC Kerala Regional Fest



Glenn Tom (VII C) won the Silver Medal in 50m and 100m Swimming in Mar Athanasius State-Level Championship (CBSE, ICSE, IGCSE & IB Syllabi) held at Kothamangalam.



Cdt/ Sgt Anant Aravind Pillai (X A) won the DG NCC Commendation Card for 2022



Devanarayanan J. R. (X A) won the Second Prize in Malayalam Light Music at ASISC Kerala Regional Cultural Fest



Bhagath Sunand (XI D) won the Third Prize in Violin Eastern at the CBSE State Kalolsav 2022



Jonathan Edwards N. (VII D) secured A Grade in English Elocution at the ASISC Kerala Regional Cultural Fest



Abhiraj A. (IX C) secured A Grade in Malayalam Extempore Speech at the CBSE State Kalolsav 2022



Abhiram S. Nithin (VIII B) secured A grade in English Light Music at the ASISC Kerala Regional Cultural Fest





Kishan Sivadas and Bhavin Sankar of IX A, winners of Aqua Regia quiz conducted by T. I. M. E.



Bhavin Sankar and Kishan Sivadas of IX A, Runner-up team in Brain Battle, a quiz organised by Club FM. They also won a cash prize of Rs. 5000 each.



Winner in St Thomas Trophy Basketball tournament. The Best Player, Kevin Leander, is seen standing fourth from the left. At the extremes are the Physical Education teachers Umesh Uday (Left) and Rajesh T. G. (Right)



# A MEMORABLE TRIP TO Veli Tourist Village

Arti Rawat



As Don Walsh says, *Exploration is curiosity put into action*. Excursions make children interact with the world around them. Being out in their community helps them to learn about their immediate environment. In addition to promoting curiosity and investigation, excursions provide children with a chance to communicate with others and strengthen friendships.

The first outing with their peers and teachers was a memorable experience for the kids. Dressed in school uniform and escorted by their teachers, the kids looked more excited and curious than ever before. During the bus ride to Veli Tourist Village, they talked endlessly about everything they saw: vehicles passing by, apartments, petrol pumps, department stores, railway station and the beautiful flowers that bloomed at Veli Park.

After reaching Veli Park the kids enjoyed refreshments after which we took them for nature walk and explored every nook and cranny of the park. The expression on their face as they zoomed down the slide or soared up on the swing was priceless. They were still more thrilled to ride on the Veli Village Train. They not only enjoyed nature but also recollected and connected the things that they had learnt in the classroom.

Overall this trip was a mesmerizing experience. It has given our children an opportunity to develop their social and emotional skills, to gain self-confidence and also to become more independent.



The school bus ride to Veli Tourist Village















# WINNERS IN LKG SPORTS COMPETITIONS









# WINNERS IN UKG SPORTS COMPETITIONS





# *The Staff Chilling out on Ashtamudi Backwaters*





# A GEOLOGICAL ODYSSEY

Bharat K. Nair, X C

*Every Rock has a unique tale to tell.*

Class X C students' experience at the Geology Department on the Karyavattom campus of the University of Kerala was a memorable one for the deeper insight we got as we listened to two introductory briefings by Dr Shaji and Dr Anil followed by what we saw in the labs there.

These talks gave us a clearer idea of what a geologist does and why geology is an important and interesting subject. A geologist studies our planet, its structure, crust, composition etc. Rocks were formed around 3.5 billion years ago under high air or water pressure.

Therefore, from rocks we can understand the history of our world

and its state millions of years before animals stepped foot on the planet. We learned a lot about the different layers of the earth like the crust, the mantle and the core, tectonic plates and their continuous movement, the properties, composition, identification and types of minerals present in the world, and the subdivisions of geology like petrology, palaeontology, stratigraphy etc. and the courses of study available. Once the presentations were over, we were split into two groups of twenty students each and taken to separate exhibits showing minerals and rocks.

One laboratory contained extremely rare rocks which we observed under

powerful microscopes. One such rare rock was 'charnicate' which is a prehistoric rock formed over a billion years ago. Unfortunately, charnicate rocks stopped forming as over the centuries the earth's temperature kept reducing. The other exhibits included varieties of rocks, minerals, fossil remains, quartz, limestone, coals, ores etc.

Our geological odyssey was over by noon. All of us found it a highly informative trip.









# Excursion to Wonderla

Mohammed Yasin S., VIII A



School excursions are back after an interval of two years enforced by the pandemic. It was happy faces all around when our class teacher announced the excursion to Wonderla amusement park. Although I had been to Wonderla a couple of times with my family, I was certain that it would be a different experience travelling with friends. We started our journey at 5 am. Our tour operator arranged disco lights and music system. We all got a chance to shake a leg on the bus. On the way, we stopped at a decent hotel and had a sumptuous breakfast. After a five-hour travel, we arrived at our destination. Refreshments were served while we were waiting near the gate of the amusement park. Excitement bubbled up on seeing the towering rides from a distance. We were eager to join the fun. We took a locker to keep our bags and dress safe. After receiving general instructions from the park authorities, all of us headed to a day filled with unlimited rides.

We tried many breathtaking rides. But we couldn't get on to some of the rides as the waiting time was too long. After lunch, we headed towards the water rides. By 6 in the evening, we bade goodbye to Wonderla and headed towards Lulu Mall.

It was fun roaming around the mall in groups. In the PVR cinemas, we watched the movie *Ponniyin Selvan*. We had our tickets booked at 11 pm. Most of us enjoyed the movie though some were tired and were found sleeping. After the movie, we boarded our bus for the return trip. Throughout the trip, our teachers had been sending messages and sharing photos in the WhatsApp groups keeping our parents updated. We reached our school early in the morning where our parents were waiting to pick us up.

I am really happy to have experienced such an amazing time with my friends. It was a wonderful trip and a memory to cherish forever. As the saying goes, *a journey is best measured in friends, rather than miles.*



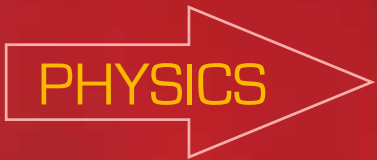
# SCIENCE ART EXHIBITION



*Supplement Two*

**LOYOLA INTRAMURAL EXHIBITION**





PHYSICS

**BERCHMANS HALL**

**SCIENCE**

**EXHIBITION**

**28 OCTOBER 2022**





Chief Guest Mr Suresh Mathew watching the working of Regenerating Scooter presented by Adarsh Derance of IX C



Water Cooler:  
Rohit, Niranjan, and Yadu, IX C



Slide Projector:  
Joshua Reuben Sylvester, X C



Hydraulic Lift:  
John and Bharath, X C



Solar Sun Tracker System:  
Akash Binu Thomas, X C



Light Converter:  
Devanandan, Nehan, Adithya, and Antony, XI C



Robotic Car:  
Ethan Ritz Geobin, VI A



Pullback Car: Johaan, VII C; Madhav, VI B  
and Akshay S. R., VII C



Magnetic Magic: Johan Thomas,  
Atiksh M., and Dhanwanth A. Nair, V D





Abhinav, Aman, Nakul, and Adithyan, VIII C



Rainwater Harvesting:  
Martin Johny Zacharia, VI D



Solar Panel:  
Karthik, Navneet, and Nived, VIII C



Clean Energy Resources:  
Ganesh, Nadeem, Abhiram, and Jonathan, X A



Magnets:  
Mahadev M. Pillai, V C



Coin Collection:  
Darshan M., V D



Pyramid of Giza:  
Karthik B. Kodyeri, VI B



Qutb Minar Model:  
Nandikesh S. G., IX C



Bluetooth-Controlled Car:  
Ram Gopi, VIII B





Hydroelectric Power Plant:  
Arjun K., V A



Robotic Car:  
Devnath S. Narayanan, VI A



Locomotive Engine: Aagney S. S., V D;  
Turbine: Johaan Dan Jojeen, V B



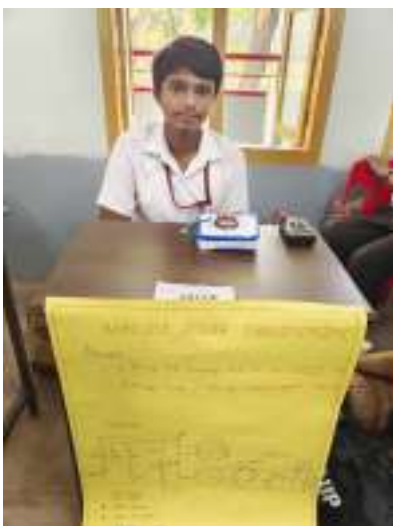
Vacuum Cleaner:  
Karthik Kiran, V A



Tesla Coil:  
Madhav Shankar and Daniel T. Mathews, VIII B



Origin of the Universe:  
Darsh Advik P. S., V A



Wireless Charger:  
Sridhar, VIII B



Hydraulic Arm:  
Pranav and Sangeeth, VIII B



Hydraulic Arm: Mohammed Yasin,  
Harshit A. J., and Abhinav Krishna, VIII A



Wending Machine:  
B. Kashinathan, IX A





Arduino Working Model:  
Abhinav Rajesh, Amay Krishna,  
Nayan Raj, and Abhinav M. S., VII B



Dual Power Exploration Vehicle:  
Sean, Vimarsh, and Abhiraj, IX C



Robotic Arm:  
Niranjan, Gautam, Ben, and Sreeram, VII A



Projectile Motion:  
Aben Mathew Roy, IX A



Telescope:  
Manav R. and Mahadevan Sanju, X B



Gravity Well:  
Sidharth, Joel, Arfan, and Abhinav, VII A



Hydraulic Arm:  
Aadith, George, Adwaith, and Govind, VIII B



Drone: Alvin, Sivahari, and Midhun, X B;  
Emergency Lamp: Alex, X B



Clap On/Off Switch:  
Advaith, Joel, and Chris, VIII A





Tesla Coil:  
Sreehari R. S., IX A



Tesla Coil:  
Darsan Vinod, IX B



Screen Projector & Space Objects:  
Ashik, Rishik, Advait, and Nijil, VIII A



Train:  
Aibel, Mathew, and Aaryan, IX B



Anti-sleep Alarm for Vehicles:  
Ananthkrishnan, X C



Helicopter:  
Ram, Aaron, Aarush, and Sidharth, VI A



Particle Physics:  
Ryan Babu, XI F



Solar Electric Project:  
Astin Thomas Binu and Thejus S., VII D



Renewable Sources of Energy:  
Aiswar, Aaron, and Rishikesh, VII D



Robotic Car:  
Deva Nandan and Shravan, VI A





Solar Energy:  
Emil Johnson, X C



Refrigerator:  
Srinivas, Amaan, and Sobhan, VI D



Energy Harvesting System:  
Darshan R. Nair, VII B



Wind Energy:  
Akshay A., V A



Hydraulic Arm:  
Madhav Mahadev and Dhanvanth Rejith, V A



Magnetic UFO:  
Ved Suresh, X C



Hydroelectric Dam:  
Adithyan, Mathias, Arjun, and Abhinav, VIII D



Magnetic Lamp: Devanand M. S., IX B; Hydraulic Arm: George P. Rajesh, IX A;  
Old and New Tedchnology: Nethaneel Matthew, VII A



Hologram: Devadath, Keshav, Niranjan, and Sreyas, IX A;  
Eco-friendly City: Gautham and Dhruv, VI B





Electromagnetic Pulse:  
Arjun and Dhevanandh, VI C



Vacuum Cleaner:  
Akshat Agrawal, VI C



Water-pressured Rocket:  
Nivet Riju and Siddharth Sridhar, VI C



Vijayanagar Kingdom:  
Adithyan S. Sekharan, IX B



Tesla Coil:  
Sarath and Hridhwi, VII A



Wind City:  
Shaun Remany Saugar, Ashwin J. Krishna, Joel S. Jose, and Nehal M.S., VII D



Logic Circuits:  
Aftab Feroz, IX A



Solar Energy:  
Vihaan V. Viswanath, V E



DC Generator:  
Adithya Ajesh and Saurav S., VI B



Dam for Agriculture:  
Nandakishore, Dev, and Jojin, VII C



Solar Street Light:  
Siva Govind, VII C





Thomas, Aaron, Afan, VII C



Remote-controlled Windmill:  
Abhinav, Kaushik, Karthik, and Julian, VI A



Seismograph:  
Febin, Harikrishnan, and Maheswar, XI F



Concentrics: Shreyan and Abhaidev, V E;  
Solar Power Irrigation System: Christon and Harigovind, V A



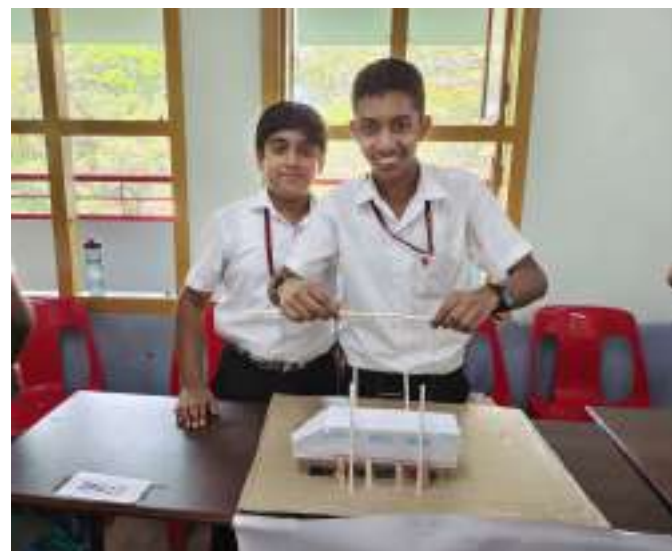
Juice Dispenser:  
Rithvik, Sreesankar, and Arshad, VIII B



Air Cooler:  
Harshavardhan, Lishan, and Vedh, VII A



Water Dispenser:  
Nivedh R. J., VIII A



Magnetic Levitation Train:  
Rohan Antony Joseph and Ananthkrishnan L., VIII A





**Generators of Electricity:**  
Gary and Dwijan, VIII A



**Kaleidoscope:**  
Farzan, Pranav, and Kesav, V A



**Needle Compass:**  
Daksh and Parthiv, V E



**Monuments:**  
Devin Maheswar, XI E



**Practical Electronics:**  
Mark Reuben Sylvester and Aarush Raj S., VI C



**Hydraulic Arm:**  
Muhammed S. Fahad and Shravan S. Sajith, VI C



**Cymatics:**  
Ram Mohan, X B.



**Cymatics:**  
Varghese, Aditya Narayan, and Aditya S. Nair, X B



**Hydraulic Arm:**  
Adit Ans, X A





Wireless Electricity:  
Akshay S. R., VII C



Hydraulic Arm:  
Athul, Indraneel, and Sanjay, VII D



Noise Pollution and its Effect:  
Abhinav and Arjun, VII D



Electric Circuit:  
Kevin and Dhruv, VI C



Tesla Coil and Hologram:  
Gowtham Krishna and Abhinav Vinod, VI D



Monuments :  
Johann, Viswas, and Tony, XI E



Li-Fi:  
Rihan Shajeer, VI B



History of Cinema:  
Karthik and Aryan, IX C



Electricity From Natural Resources:  
Achintya Yadav, and Gopikrishnan P. G., VII B





Dance Forms:  
Sreehari R. L., XI E



Magadha to the Mughals:  
Abhinav Kiran, VI A



History of war:  
Vaibhav Puri, Sarang,  
Darshan, and Sourav, VIII D



Poets of Kerala:  
Nevin Gilroy, VIII D



Types of Soil:  
Adhrit Sreeraj, V A



Wind and Solar Energy:  
Sreeranj S. R. and William Salil Gomez, VI C



Underwater Ecosystem:  
Jacob Mathew and Aloknath D. J., VI A



Journey of Rivers:  
Johann Paul, VI B



Indian Heritage and Culture:  
Jagath A.R., VIII D



Minerals of India:  
Anan and Jeevan, VI A



Wind Vane:  
Vinayak K. V., VII C



Sabse Pehle:  
Jonith Jijo, V A



Indian Awards:  
Sourav Sekhar C., V D





Meanings of the 24 spokes on the Ashoka Chakra:  
Ambareesh R. R, V D



Indian Inventions and discoveries:  
Arjun G., Madhav A. V., Madhav Praveen Kumar, and Anish Bandyopadhyay, VIII B



Electrolysis of Water:  
Vibhav Singh, V E



Water Exchange and Super Bubble:  
Shazil, Saahil, Austin, and Evan, V C



Flame Test: Ashwin Raj Pradeep, Mohammed Ibnu Anzar,  
Vaibhav A. Nair, and Vismay Sajin, VIII D



Indian States and Their Capitals:  
Abhijith Prasanth, VI D



Union Territories and Their Capitals:  
Aamay Shyamal, VI D



Indian Heritage and Culture:  
Jagath A. R., VIII D



Chart on Flowers:  
Mukund Jnaneswar, V D





**Battle of the Metals:**  
Abhinav A. S. and Ahsan Ansari, VII D



**Water Filter:**  
Achyut Arun and Pranav, V A



**Ecosystem:**  
Adarsh Justin, VIII A



**Chemical Volcano:**  
Sethumadhavan and Adveid Abhishek, V A



**Ferrofluids:**  
Balasankar and Anurag, X B



**Chemical Reactions:**  
Navneeth Krishnan, VIII A



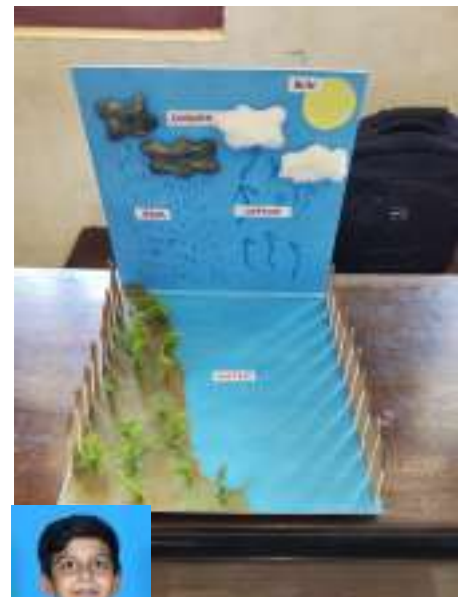
**Elephant Tooth Paste:**  
Ishaan Soorej, VII D



**Non-Newtonian Fluid:**  
Nivedh, George, and Navaneeth, XI B



**Synthetic Food Colouring:**  
Murali Maheswar, VIII B



**Water Cycle:**  
Cedric Philip, V B



**Chemical Reactions:**  
Navaneeth A. and Krishna Kumar Singh, X A



**Hydroponics:**  
Abel Aby, X C







**Bones:**  
Nakul Dinakar, VIII D



**Respiratory System:**  
Surya Narayanan S. A., V E



**Milk Painting:**  
Pranav Kishore and Mishael Matthew, IX B



**Biogas Plant:** Anton and Ayaan, VIII C



**Aquaponics and Hydroponics:**  
Keshav V. Nair and Riyan Rajeev Koshy, V B



**Biological fix for the plastic menace:**  
Ames Berno John, IXB



**I. Q. Test:**  
Gokulkrishnan S. S., VII D



**Robotics:**  
Pranav Dinesh Nair, VII A



**Hydroponic Ggarden:**  
Asif Ali, Lakshminarayan, Gautham, and Ishan, VIII C



**Respiratory System:**  
Parthiv Krishna P., V E





Fractions and Angles:  
Arnav M. Nair., V B



Vertically Opposite Angles:  
Alan, Bharathraj, and Sabarinath, XI B



Safety Road for the Army: Nijo Zacharia K. J., VIII A;  
CNC Machine: Albin S. S., VIII A



Human Heart:  
Ananthakrishnan K., X C



Robotic Car:  
Aarav, Adith, and Prithiv, VI D



CNC Machine:  
Albin S. S., VIII A



Multiplication Box:  
Harigovind G. R., XI A



Smart Car:  
Ananth Kesav and Adithya S., VII A



Robotic Car:  
Bhagath Krishna, Surya Ramaswamy, and Jonathan Edwards N., VII D



Theremin:  
Adithya and Vaishnav, VIII A





**RC Rover:**  
Aaron Jisson, Austin Datsen, and Kavin Raemiel, IV B



**Robotic Arm:**  
Sachin Allen Sujit and Sabareesh Padmaraj, IV A



**Photographs:**  
Dito Dileep, XI C



**Street lights:**  
Nijo Zacharia, Niranjan Sajith, VIII B



**Terrarium:**  
Rithav, Pranav, and Mathew, VI D



**Land Forms:**  
Srihari, VI D



**Hydroponics:** Jacob P. Oommen, Riyan Rajiv Koshy, Aeshan Gokul, and Keshav V. Nair, V B



**Proximity Censor:**  
Karthik, Austin, Rohan, Alan, VIII D



**Probability Circles:**  
Keshav, Aswin, and Joshua, XI B



**Combination of Solids:**  
Joel, Amey, and Madhav, XI A



**Robotic Tank:** George Samuel Shibu, Ryan Thomas, Aditya Narayan, and Rohan Philip., VIII D



**Dancing Robot:**  
Nihal Krishna and Sreehari R. J., IV B



**Robotic Transforming Car:**  
Vaisakh & Abhay, VI D



**Sewage Treatment Plant:**  
Asher Maria Xavier, VII D



**Journey of the River:**  
Joel Abraham, VI B



