



From the Principal's Desk

Greetings from Tattva School!

November month began with Diwali festivities. I am sure all families have had a fabulous and blissful Diwali. May this Diwali dispel darkness from our lives and fill a lot of light and guide us through our paths towards success!

As always, team Tattva is working towards focussed academic delivery alongside paying attention to co-scholastics activities. The team aims to complete PT2 portions early and focus on Sports Day scheduled on the 21st of December. The core team at Tattva has also started to put together a sketchy flow of the sports day. The songs are being looked at alongside costumes and props.

All lab activities and CCA activities are being conducted as per schedule.

To ensure that the bottom 5% of the students in all classes also make a conscious effort towards achieving good scores in the exam, I have met up with majority of the parents and discussed the status of their children's performance and guided them and pressed on the need for them to improve. The teachers have also been handling remedial classes regularly to support these children.

Grade X will write PT2, Pre-boards 1 and 2.

Grade IX and XL will have their final exams in February.

Revisions for Grade X started long back.

Students have participated in various competitions and brought laurels to school. The during the school and after school activities have been carried out well. The focus of the team shall now be to move FROM GOOD TO GREAT!! We need all your support to move the school to greater heights. So, kindly appreciate our good work and spread a good word about the school!

The school team will give its best to serve the children in its care.

Thank you for all the support through the years

- Ms. Mamatha Rao,
Principal, Tattva School



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Quote of the month

**"A life of Joy and happiness is possible only
on the basis of knowledge and science."**

Dr. Sarvepalli Radhakrishna



Events and Activities



Carbon and its Compounds Grade X 'A' & 'B'

Properties of ethanoic acid, Odour, Solubility in water, Litmus test.

Reaction with Sodium carbonate and sodium bicarbonate.

Students made their observations and understood the properties of ethanoic acid.

The activity makes their learning interesting.

Travel and Communication - Grade III 'A' & 'B'

In this road safety activity, students created charts to share important rules like wearing seatbelts looking both ways before crossing, and using helmets. They learned how these safety measures help prevent accidents and keep everyone safe.

Chemical Effects of Electric Current Grade VIII 'A'

Yardstick Activity

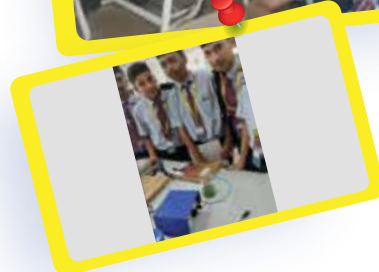
Electroplating of copper on a safety pin.

Aqueous solution of copper sulphate taken as electrolyte. Copper stripe connected to anode and safety pin connected to the cathode.

On passing electric current reddish brown copper gets deposited on the safety pin.

The students were so excited.

The activity makes their learning interesting.



Activities @ School



Chemical Effects of Electric Current Grade VIII 'A'

Lab Activity:

1. Electrolysis of water.

On passing an electric current through acidified water, hydrogen and oxygen gas is evolved at the cathode and anode.

2. Electroplating of copper on an iron nail.

The activity makes their learning interesting.

Children's Day

Every child is a different kind of flower, and all together, they make this world a beautiful garden.

Children's Day at our school was a spectacular celebration, thoughtfully orchestrated by our dedicated teachers to honour the spirit of childhood. The day commenced with teachers singing a melodious tribute, followed by lively dance performances from primary and senior teachers, and another energetic dance by admin staff captivating everyone present. A creative skit, portraying classroom moments, brought laughter and a sense of connection to the students. The highlight of the event was our esteemed principal ma'am joining the teachers in a delightful dance, symbolizing unity and joy. The celebration concluded with a sumptuous treat and gifts, lovingly prepared and served by the class teachers, leaving an indelible mark of warmth and care.

Decimals - Grade V 'B'

Aim of the Experiment: To reiterate the concept of Subtraction of decimals.

Apparatus: Graph Sheets, Colour pencils.



Activities @ School



Students were able to represent the concept of Subtraction of decimals on a graph sheet.

Equivalent Fractions - Grade IV 'A'

Aim of the Experiment: To reiterate the concept of EQUIVALENT FRACTIONS.

Apparatus: A4 Sheets, Colour pencils.

Students were able to represent the concept of EQUIVALENT FRACTIONS on A4 sheet.

Field Trip - Grade X

Tattva School has organized an excursion to Cochin-Alleppey-Munnar from 9th to 13th November 2024.

This initiative aims to provide our learners with a valuable learning opportunity, allowing them to explore a new place beyond their comfort zone and gather life experiences.

Please find below the brief details of the tour:

Dates: 9th - 13th November 2024

Duration: 4 Nights / 5 Days

"Exploring New Horizons: Our 5-Day Educational Adventure!"

We're thrilled to share highlights from our recent 5-day educational trip to Cochin - Alleppey and Munnar!

Our students embarked on an incredible journey of discovery, learning, and fun.

Day 1: Arrival and Acclimation

We arrived safely and settled into our accommodations. Students explored the local surroundings, getting a taste of the region's rich culture on the way.



Activities @ School



Day 2: Visit to Munnar Tea Gardens and Scenic Views

We ventured into the stunning tea gardens, witnessing:

- 1. Tea Plantations:** Learned about tea cultivation and plucking.
- 2. Mattupetty Dam**
- 3. Blossom Garden**
- 4. Echo Point:** Experienced the mesmerizing echo phenomena

Day 3: Alleppey

Arrived in Alleppey and boarded our luxurious houseboat. As we were guided through the tranquil backwaters, we explored villages - Witnessed traditional Kerala life etc.

Day 4: Cochin

Visited Fort Kochi: Explored Dutch, Portuguese, and British influences.

Visited Athirapally waterfalls

Day 5: Reflection and Departure

Students reflected on their experiences, sharing insights and takeaways. We departed with unforgettable memories and newfound knowledge.

Trip Highlights:

- Explored historical sites
- Explored scenic viewpoints
- Engaged in activities
- Developed valuable teamwork and communication skills

We're proud of our students for embracing this enriching experience!

Fractions - Grade IV 'B'

Aim of the Experiment: To reiterate the concept of equivalent fractions.

Apparatus: colour Sheets, Colour pencils.



Activities @ School



Students were able to represent the concept of Equivalent Fractions by folding paper.

Gravitation - Grade IX 'A' & 'B'

Determination of density of solid.

Students actively involved in finding density of an unknown solid. They learnt the method of finding least count and understood why objects float or sink when kept in water.

Innovation Lab

Aid for Blind People - Grade V 'B'

Students created a project called Aid for Blind People Spectacles using Arduino and ultrasonic sensors. The spectacles were designed to assist visually impaired individuals by detecting obstacles in their path. The ultrasonic sensor measured the distance to objects, providing feedback through vibrations or sound to guide the user. This project introduced students to sensor technology, Arduino programming, and accessibility innovation, showcasing how technology can improve the quality of life for people with disabilities.

Automatic Watering to Plants - Grade VIII

Students learned Using a soil moisture sensor and a pump, they built a circuit that will automatically detect when the soil is too dry, add water, and stop when the soil reaches the right moisture level. With this system, you can keep your plants healthy and use only as much water as you need.

Battery Making - Grade III 'B'

Students learned about electrochemical cells by creating



Activities @ School



simple batteries using lemons, potatoes, saltwater, and sugar water with copper and aluminium (or zinc) as electrodes. These materials acted as electrolytes, enabling chemical reactions that generated small amounts of electricity to light up an LED. The activity introduced the basics of electrochemistry, including how electrons flow to produce current while encouraging creativity and curiosity about sustainable energy.

Automatic Street Lighting - Grade IV 'A' & 'B'

Students worked on a project to create automatic streetlights using Arduino, LEDs, and light sensors. The system used sensors to detect ambient light levels, automatically turning the LEDs on at night and off during the day. This project introduced students to programming and hardware integration, teaching the basics of Arduino, sensor functionality, and energy efficiency. It highlighted how technology can be used to automate systems and conserve energy in real-life applications.

Hydraulic Patient Bed - Grade III

Students learned Hydraulic lift beds feature a storage system by lifting the base your mattress sits on to access the space below. With gas-lift pistons and compression springs in the mechanism, it safely and efficiently allows you to lift the base, holding the weight while using the storage space. The basic principle behind any hydraulic system is very simple - pressure applied anywhere to a body of fluid causes a force to be transmitted equally in all directions, with the force acting at right angles to any surface in contact with the fluid. This is known as Pascal's Law.

Train Accident Prevention Model Grade VI 'A' & 'B'

Students worked on the Train Accident Prevention Model



Activities @ School



using Arduino and an ultrasonic sensor to detect obstacles on train tracks. The ultrasonic sensor measured the distance to objects in the path, and if an obstacle was detected, a buzzer was activated to alert the system. The project involved building a model of the train structure and completing the circuit for real-time detection and warning.

Physical and Chemical changes Grade VII 'A'

Characteristics of Chemical Reactions

- Evolution of gas
- Change of temperature

Calcium carbonate with HCl.

Evolution of carbon dioxide gas and change of temperature.
Change of colour, change of state and formation of a precipitate.

When Lead iodide and potassium nitrate aqueous solutions were mixed, a yellow precipitate of lead iodide was formed.

Exothermic and endothermic reactions.

Students made their observations and understood the characteristics of chemical reactions

The activity makes their learning interesting.

Some Natural Phenomena - Grade VIII 'A'

With the help of a charged body, based on the divergence of the metals foils, finding the charge and its magnitude using the electroscope.

The activity makes their learning interesting.

CCA Activity: Literary Club

Through reading, children are supposed to comprehend, evaluate, and acquire knowledge. The literary club's main goal is to showcase the students' creative abilities.



Activities @ School



Additionally, it gives individuals the opportunity to best utilize their abilities and ingenuity.

Abacus

An abacus is a calculation tool used by sliding counters along rods or grooves in order to perform mathematical functions. In addition to calculating the basic functions of addition, subtraction, multiplication, and division, the abacus can calculate roots up to the cubic degree.

1st std 2digits with abacus and 1digit without abacus sums

2nd std Small friends additions

3rd std Big friends Additions

4th and 5th std Big friends Subtraction sums

6th Writing 2 digits tables(more than 20)

7th and 8th std Division by 999

Taekwondo

One of the oldest and most methodical Korean traditional martial arts, taekwondo teaches more than physical fighting skills. By exercising our body and mind, this discipline demonstrates how to improve our soul and quality of life. It has grown to be a worldwide sport with a solid reputation and is one of the official Olympic events today.

Special Assembly on Kannada Rajyotsava

On November 2024, the Tattva school Kumbalgodu Middle Primary students celebrated Kannada Rajyotsava. It was celebrated by holding a class assembly. An invocation dance was performed after the lamp was lit to begin the event. In Kannada, children explained the significance of this day. The teachers gave a brief speech outlining the accomplishments of Karnataka's notable figures and their contributions to India and our state. A captivating dance performance to a well-known Kannada song marked the program's conclusion. The Rajyotsava Celebrations taught young pupils about Karnataka's rich legacy by showcasing its deeply ingrained and priceless customs and culture.





As a teacher at Tattva School for 2 years, I have had the privilege of being part of a vibrant and dynamic community that values holistic development as much as academic excellence. The school offers students a variety of opportunities to express themselves and grow through cultural and extracurricular activities, which play an integral role in shaping their personalities and life skills.

Events such as the Children's Day programs, Annual Day celebrations, and Sports Meets are beautifully organized and showcase the incredible talent, teamwork, and enthusiasm of both students and staff. These occasions not only foster creativity and confidence but also help build a strong sense of community within the school. Additionally, the school regularly hosts cultural festivals, and inter-house competitions, encouraging students to explore their interests and develop their unique abilities.

It is inspiring to see students grow through these activities, learning important values such as teamwork, discipline, and perseverance. These programs also allow students to gain leadership experience and provide them with a platform to celebrate diversity and their shared school spirit.

Being part of Tattva School has been a fulfilling journey. I am proud to contribute to a school that balances academics with such vibrant cultural and extracurricular offerings, ensuring the overall development of its students.

**- Ms. Shruti Rao,
Teacher - Grade VIII**

School Achievements



1. Times school ranking survey Award.
2. Sai Ruthvik Nyasavajhala of grade IX won gold medal in both 500m and 1000m race conducted by SFA championship in Force One Skating rink, Bengaluru on 18th and 19th November 2024.
3. Tattva School students as participated in 3rd Karnataka Inter School Taekwondo Championship 2024 and secured 42 medals in different age criteria and got the trophy for securing highest medals which was organized by Royal Taekwondo Academy in Shanti Nikethan School.
4. B. R. Samhitha Sharma of grade IV 'B' won 1st place for under-11 chess conducted by SFA championship.
5. Lakshitha. V of grade XI won 2nd place in 100mts race conducted by SFA championship.
6. Vinutha. S of grade VIII and Deepthi. S of grade V won 1st place in 3rd Karnataka Inter School Taekwondo Championship 2024.





PARENT FEEDBACK

Tattva School is having nice and big area campus which supports growth of students in both Academics and Sports. Faculty (both teaching and non-teaching staff) are friendly to students and parents. Nice to have grade XI in the same campus where schooling is done, parent's don't have to search outside Tattva for grade XI and XII for their kids. Nice Transportation facility for kids from school to home and back. Extracurricular activities are encouraged in the school. Canteen facility will allow students to have different varieties of food in a Week. Overall we are really with school for the overall development of the students.

- Ms. Sudheendra Krishnamoorthi Upadhyaya,
Parent of Ishanvi S - Grade VI 'A'



STUDENT'S CORNER

- The school encourages students to participate in sports and other activities
- School gives very importance to education
- Teachers support students every time
- The school is very hygienic and clean
- The school gives very importance to discipline and respect
- The transport facility is very good
- The school gives safety to the students

This gives a good name for the school in the society.

- Tanish L,
Grade VI 'A'



Star Of The Week



Star of the Week is one of the best ways to get to know our students on a more personal level. Students feel distinct for a full week, which encourages classroom community.



Guhan Raj B - I 'A'



Janith C - II 'B'



Niya Nambiar - II 'A'



Prachet Beloor Adiga - III 'A'



Advika Madangerikar - V 'A'



Anika B Nair - V 'A'



Radhika S - VII 'A'

Upcoming Events

- Sports Day
- Christmas Carnival

