

THE TIPSIAN

THE OFFICIAL WEEKLY NEWSLETTER,
THE INDIAN PUBLIC SCHOOL -
IB/CAMBRIDGE, ERODE

WEEKLY



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PRINCIPAL'S NOTE

Dear TIPS Erode Community,

I hope this message finds you well. As we continue to journey through this academic year, I am delighted to share some updates and highlights that reflect our commitment to excellence in education and holistic development.

Academic Practices in Primary and Secondary Years

At TIPS Erode, we pride ourselves on our innovative and student-centered academic practices, tailored to meet the developmental needs of our learners at every stage.

Primary Years:

Inquiry-Based Learning: Our curriculum encourages curiosity and exploration. Students engage in projects and activities that foster critical thinking and problem-solving skills.

Integrated Subjects: We seamlessly integrate subjects to provide a cohesive learning experience, connecting concepts across different disciplines.

Continuous Assessment: Regular assessments help us monitor progress and provide timely feedback, ensuring that each student receives the support they need to succeed.

Secondary Years:

Advanced Coursework: Our secondary curriculum is designed to challenge students and prepare them for higher education. We offer a variety of subjects and electives to cater to diverse interests and career aspirations.

Research and Analysis: Students engage in research projects that enhance their analytical and investigative skills, preparing them for future academic endeavors.

Personalized Guidance: Each student receives personalized academic counseling to help them navigate their educational journey and make informed decisions about their future.

Must-Read Sections in TIPSIAN Weekly

Our TIPSIAN Weekly newsletter is packed with valuable information and updates. I encourage everyone to explore the following sections:

TIPS Stars: Celebrating the achievements of our students in academics, sports, arts, and other extracurricular activities. Join us in recognizing their hard work and dedication.

Career Guidance and Placement Services Updates: Stay informed about the latest career guidance sessions, university placement opportunities, and resources available to help students plan their future paths.

Importance of Time Management Skills

As we focus on academic excellence, it is crucial to emphasize the importance of time management skills among our learners. Effective time management helps students balance their academic responsibilities with extracurricular activities and personal time. Here are a few tips we encourage our students to practice:

Set Priorities: Identify and focus on the most important tasks first.

Create a Schedule: Plan daily and weekly activities to ensure a balanced approach to studies and leisure.

Avoid Procrastination: Encourage starting assignments early and breaking tasks into manageable parts.

Take Breaks: Short breaks during study sessions can enhance concentration and productivity.

We believe that mastering these skills will not only improve academic performance but also contribute to overall well-being and success in all areas of life.

Thank you for your continued support and involvement in our school community. Together, we can ensure that our students receive the best education and opportunities to thrive.



Mr. Chander Dev
Principal
The Indian Public School
(Cambridge/IB), Erode

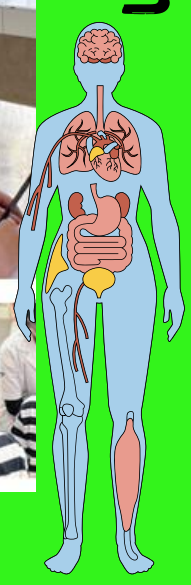
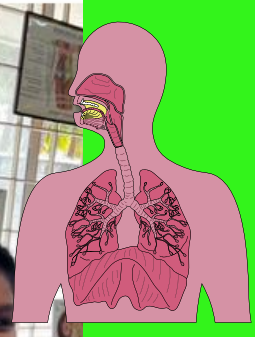
Fantastic Four on a road trip to "Sivaraj Medical College, Salem"



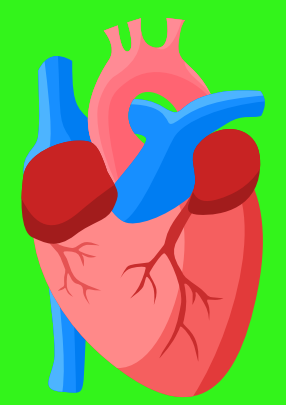
Team
Grade 4



The first and best field trip in grade 4 got all exciting for the learners to get all set ready to go on a road trip with their teachers and friends to learn about body system through the students of Sivaraj Medical college, Salem



Learning on "Body System"



Speech

The Black Dot

Feeling Good

PYP Assembly presented by the
#Awe-inspiringAchievers @5A

Student Speech



Musical Drama - 'The Black Dot'



Click the ICON to visualize the making and presentation of our assembly. Homework rap was curated exclusively based on student initiative by Mr. Sunil [Music Producer]

Principal's Address

Awards time



Our Message to the community



We Shall Overcome - Group Song



PYPC's Shoutout for the children of 5A



The Black Dot

PYP Assembly presented by the

#Awe-inspiringAchievers @5A



Our ever encouraging PYP Audience

Reflections from the performers of the day: [Students of 5A]

I felt happy and proud of myself because everybody liked our assembly and everyone appreciated our theme - 'The Black Dot'. Many said it was inspiring for them!

- #AspiringSidharth @5A



I feel our Assembly was great. I was a little scared to present in front of so many people but I managed to speak well, I was appreciated and now I can proudly say that 'I have no more fear to talk to a big audience'.

- #ArtisticMaya @5A



From our assembly, I learnt that the BLACK DOT means - we should not look at what we don't have but instead look at what we have'. If we don't have something, we need to get it from what we have, that should be our superpower.

- #AmbitiousAdhvik @5A



At first, I thought I will not get an opportunity in the assembly and I was struggling to speak in front of entire PYP. When I got a character in the role play, I now believe that I can also speak in an assembly. I want to do more like this.

- #ActiveJaisri @5A



"Very very proud of our assembly and myself too! I have never done any activity so quickly and I have never done a speech before. This is my first attempt of speaking in front of so many people which has unbelievably come so well. I am proud of having delivered a speech on 'The Black Dot' so confidently. After this assembly, I believe I can!!"

- #AstonishingVenuka @5A



This was the first time I was given an opportunity to be the Narrator of a role play. Today, the drama was going on fast, I felt very responsible of my role and delivering my script on time. I am happy! -

#AdmirableVamadevasivam @5A



Adding values through RESPECT

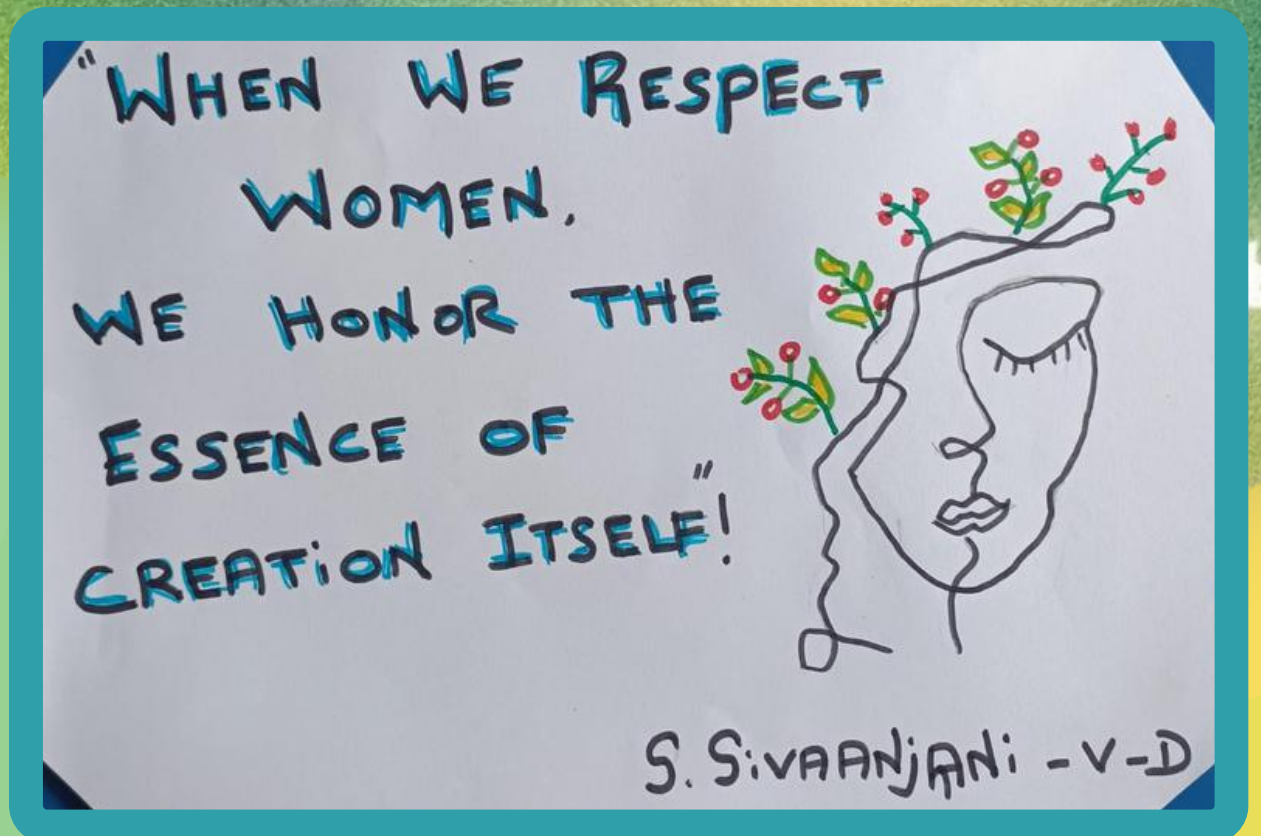


- Dazzling Discoverers #50

Respect is a fundamental value that fosters harmony among children. It encompasses admiration, consideration and recognition of other's worth. Understanding respect as a value promotes kindness, empathy and fairness in interaction. The learners came up with their own ways of understanding and reflecting respect as a value which needs to be inculcated in ourselves, few of which include poems, stories, motivational quotes, posters, respect kudos etc. We understand that our value is a sum of our values.

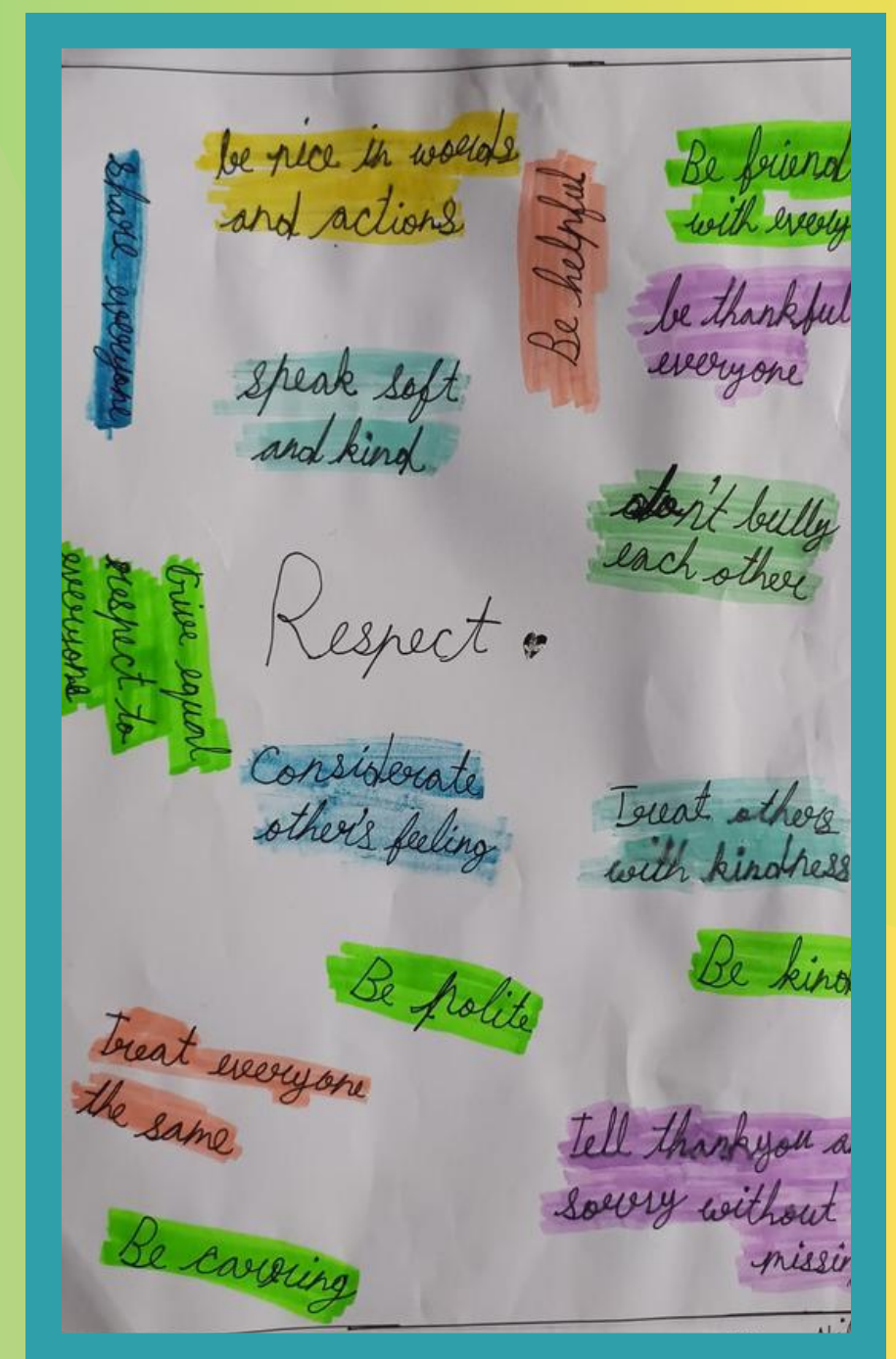
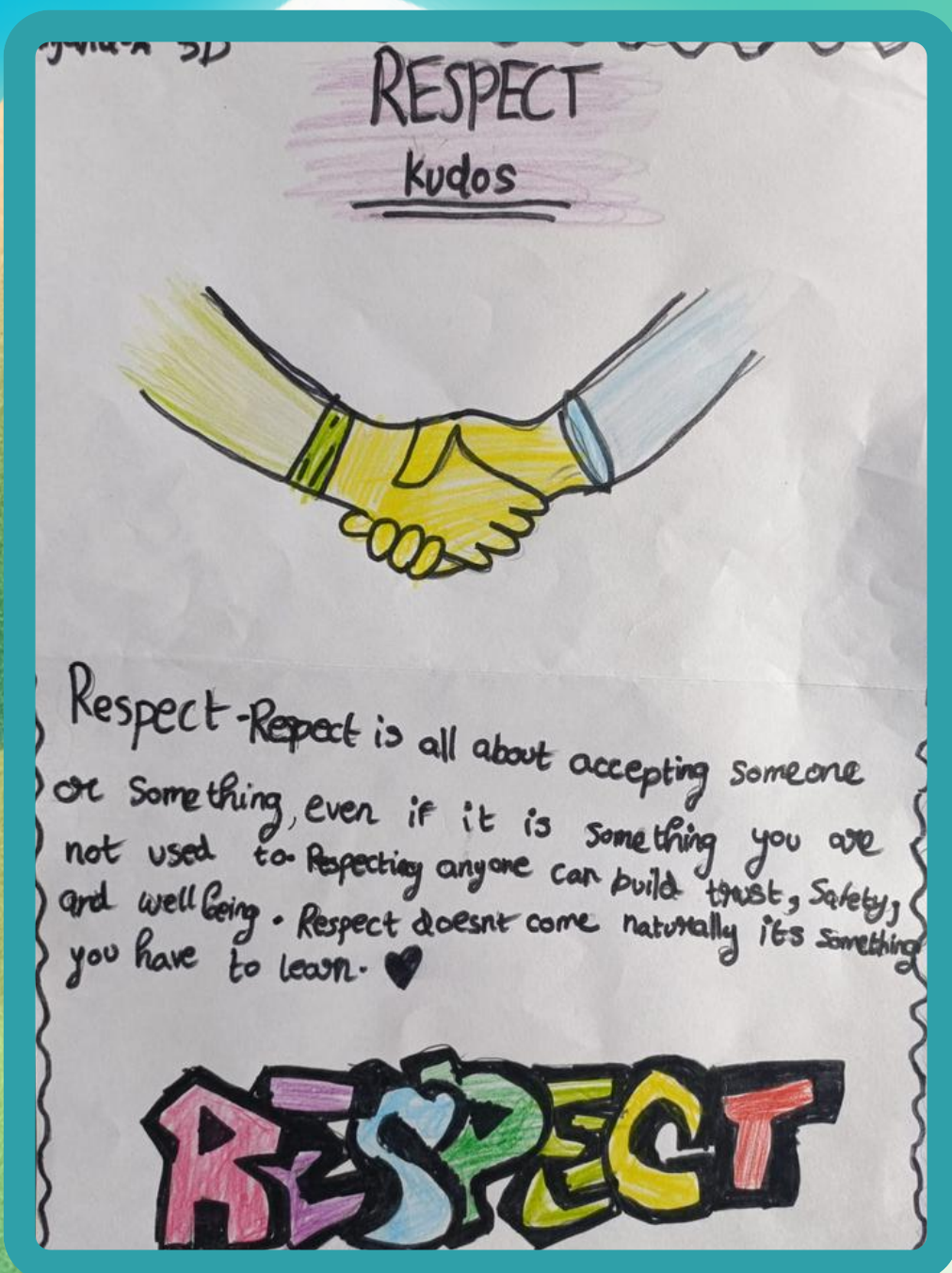
T Chitra Nair

Homeroom Facilitator (Grade 5)



Respect, Respect and Respect
 Take this as a serious act
 Respect each and everyone
 so that you can shine like the sun
 Never change your mind
 Always remain kind
 Don't break trust and lose respect
 it will end up in neglect
 Respect, Respect and Respect

-- Sivaguru V



Exploring the World of Energy

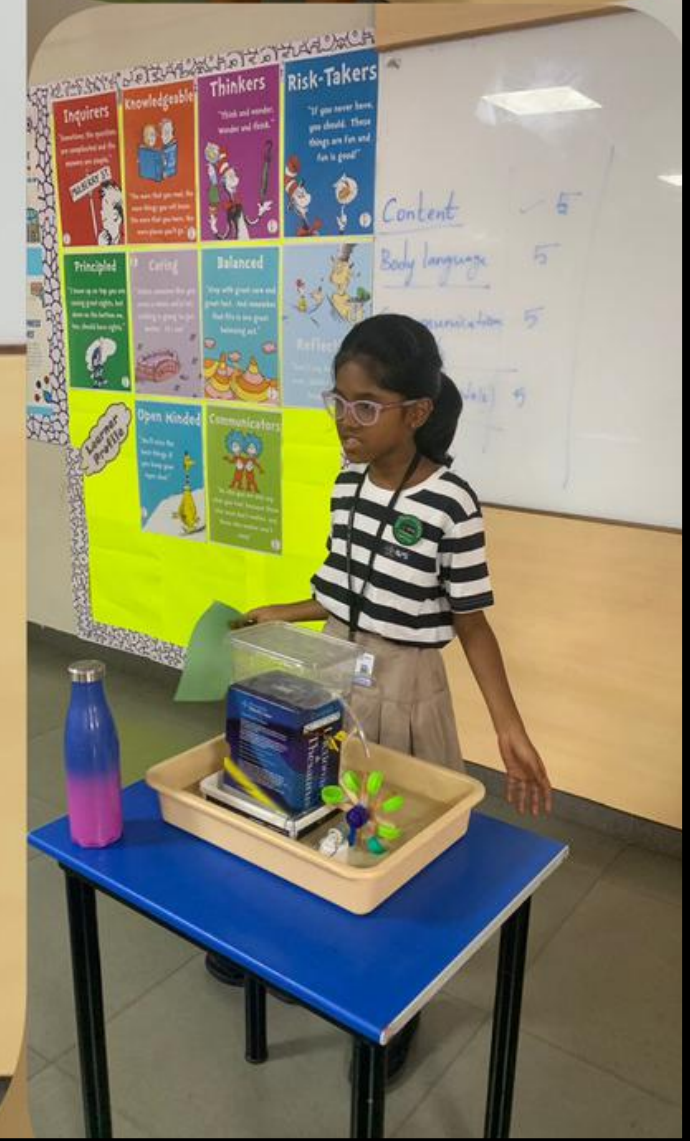
This week, our class embarked on an exciting journey into the realm of energy as part of our Unit of Inquiry.

Students are enthusiastically diving into the various types of energy, from kinetic to potential, and everything in between.

The highlight of the week has been the innovative models crafted by our budding scientists, each demonstrating a unique form of energy.

These hands-on projects have not only deepened their understanding but also sparked a sense of creativity and curiosity.

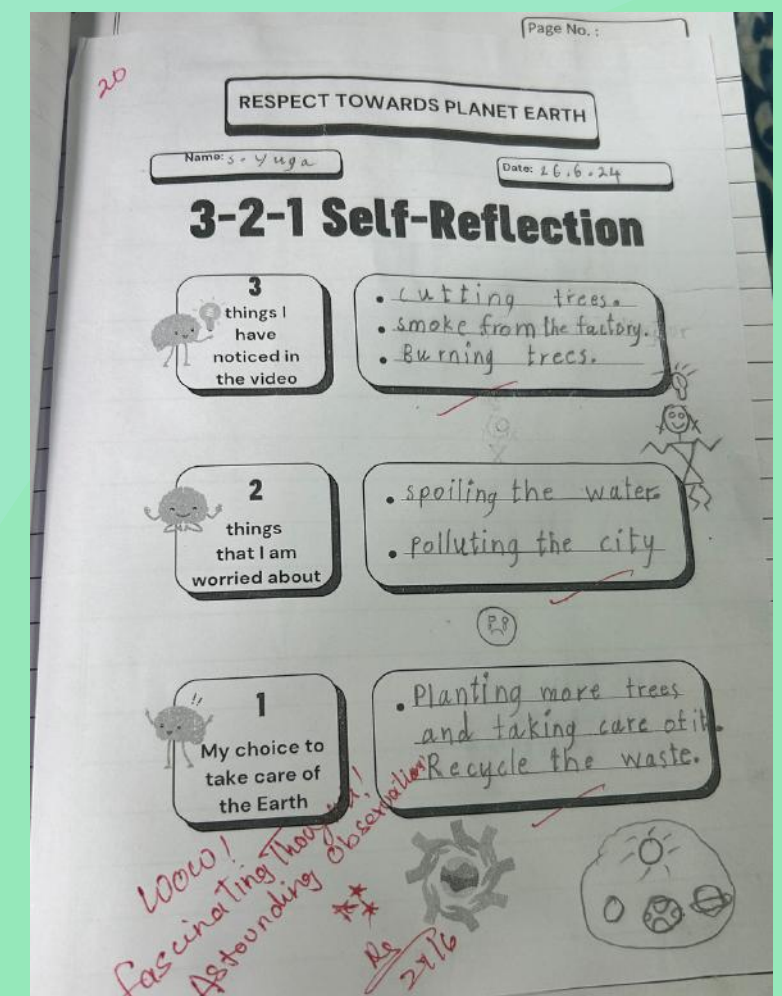
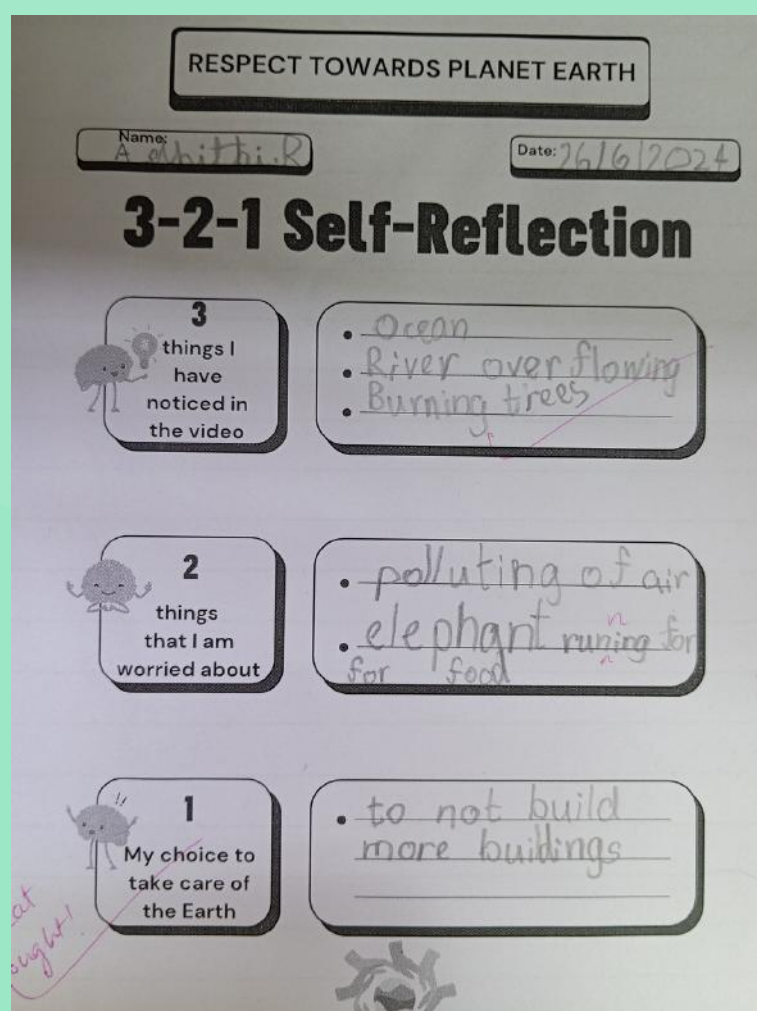
The classroom buzzes with excitement as students share their discoveries and learn from one another, making this exploration of energy both educational and fun.



@5B-Bubbly Brainiacs

Living By Values - Respect @ Grade 2

The core value of the month is "Respect." To foster this value, students watched an engaging video on nature, followed by a reflection session using the thinking routine 3-2-1. The reflections demonstrated that students are developing into mindful, responsible, and respectful citizens. The integration of the core value of "Respect" into classroom through thoughtful practices has instilled a deeper sense of responsibility and respect towards nature, others, resources, and themselves.



[Click here](#)
TO WATCH THE
VIDEO
RESPECT TOWARDS
ENVIRONMENT.



IN OUR CLASS WE RESPECT



#Grade 3

OURSELVES



BE KIND TO OURSELVES, OUR BODIES AND OUR MINDS. REMEMBER MISTAKES ARE LEARNING OPPORTUNITIES AND SHOW RESILIENCE TO PERSEVERE.



OTHERS



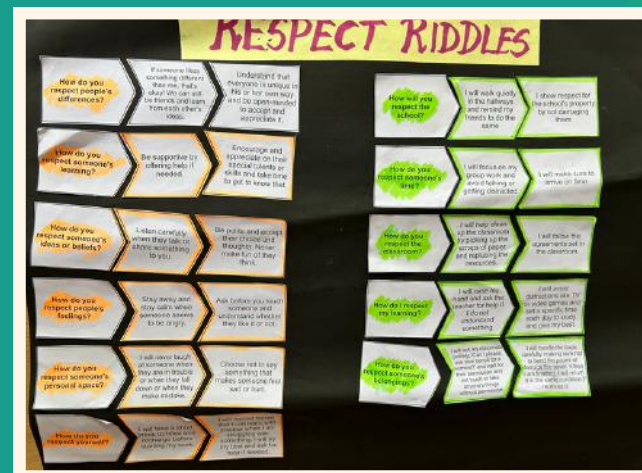
TREAT OTHERS HOW YOU WOULD WANT TO BE TREATED. BE OPEN-MINDED TO DIFFERENT PERSPECTIVES AND CULTURES. WE CAN LEARN FROM EVERYONE.



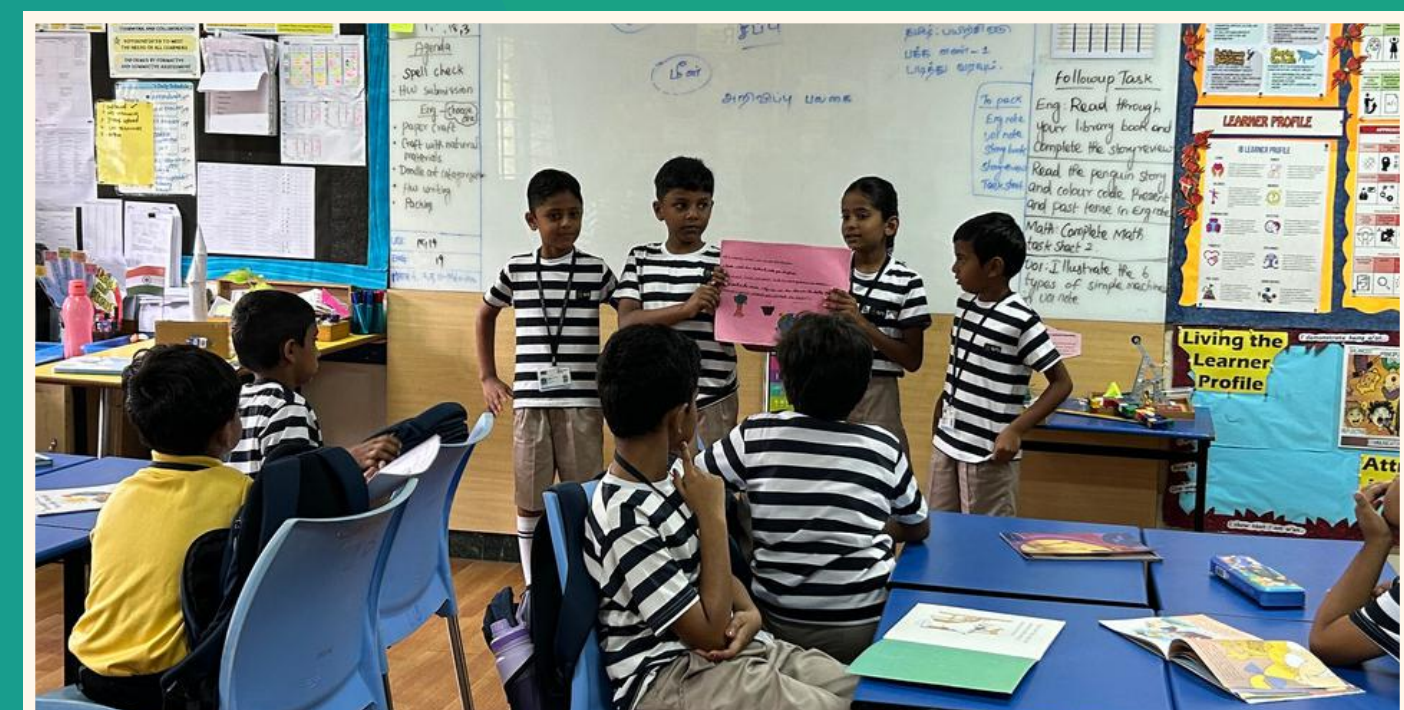
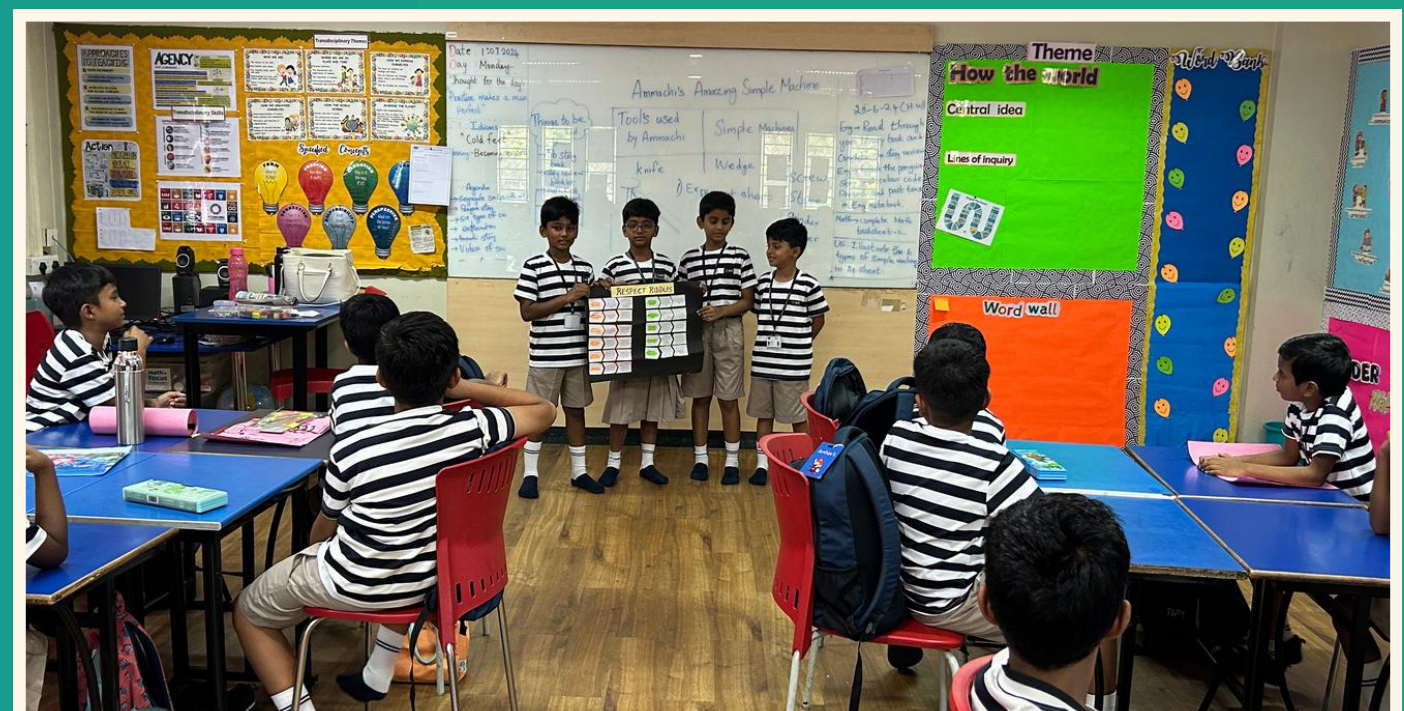
ENVIRONMENT



SHOW RESPECT AND CARE FOR OUR NATURAL ENVIRONMENT, AS WELL AS OUR CLASSROOM ENVIRONMENT. LOOK AFTER OUR CLASSROOM, SCHOOL AND COMMUNITY.



Grade 3 students demonstrated remarkable responsibility in comprehending the core value of Respect through various manifestations. They grasped that Respect extends to individuals, the environment, and oneself. Each team delved into distinct perspectives on Respect, fostering collaborative knowledge sharing. The interactive session, conducted as a quiz, was both enjoyable and enriching, blending fun with deep learning experiences for the students.





MOLECULAR DANCE

Liquid



Solid



Gas

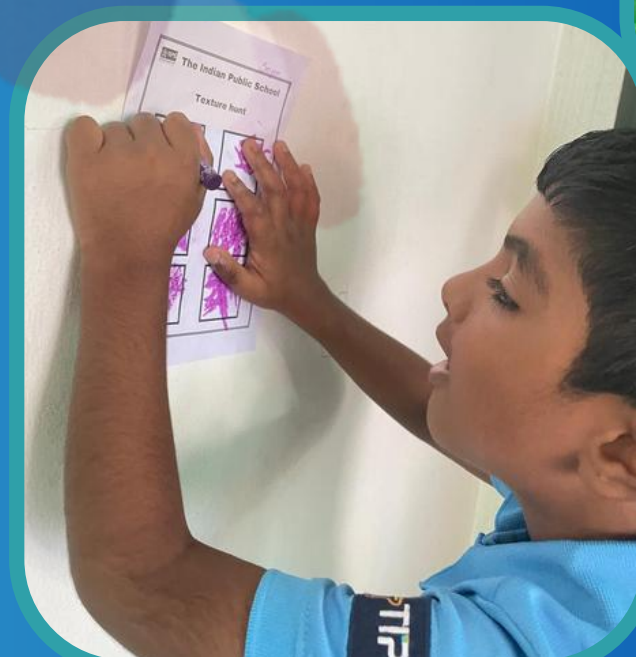


Learners viewed a video focusing on the states of matter, followed by a classroom inventory exploring solids, liquids, and gases. Subsequently, they engaged in a molecular dance activity, effectively reinforcing their comprehension of the subject matter. Through this interactive exercise, learners demonstrated both reflective thinking and enhanced cognitive abilities.



TEXTURE HUNT

Learners went for a texture hunt where they traced the texture of different materials. This texture hunt activity was not only fun, but it also helped learners develop their observation and critical thinking skills. By identifying the different textures of various materials, learners learnt about the different states of matter. They exhibited their research and thinking skills while doing this activity.

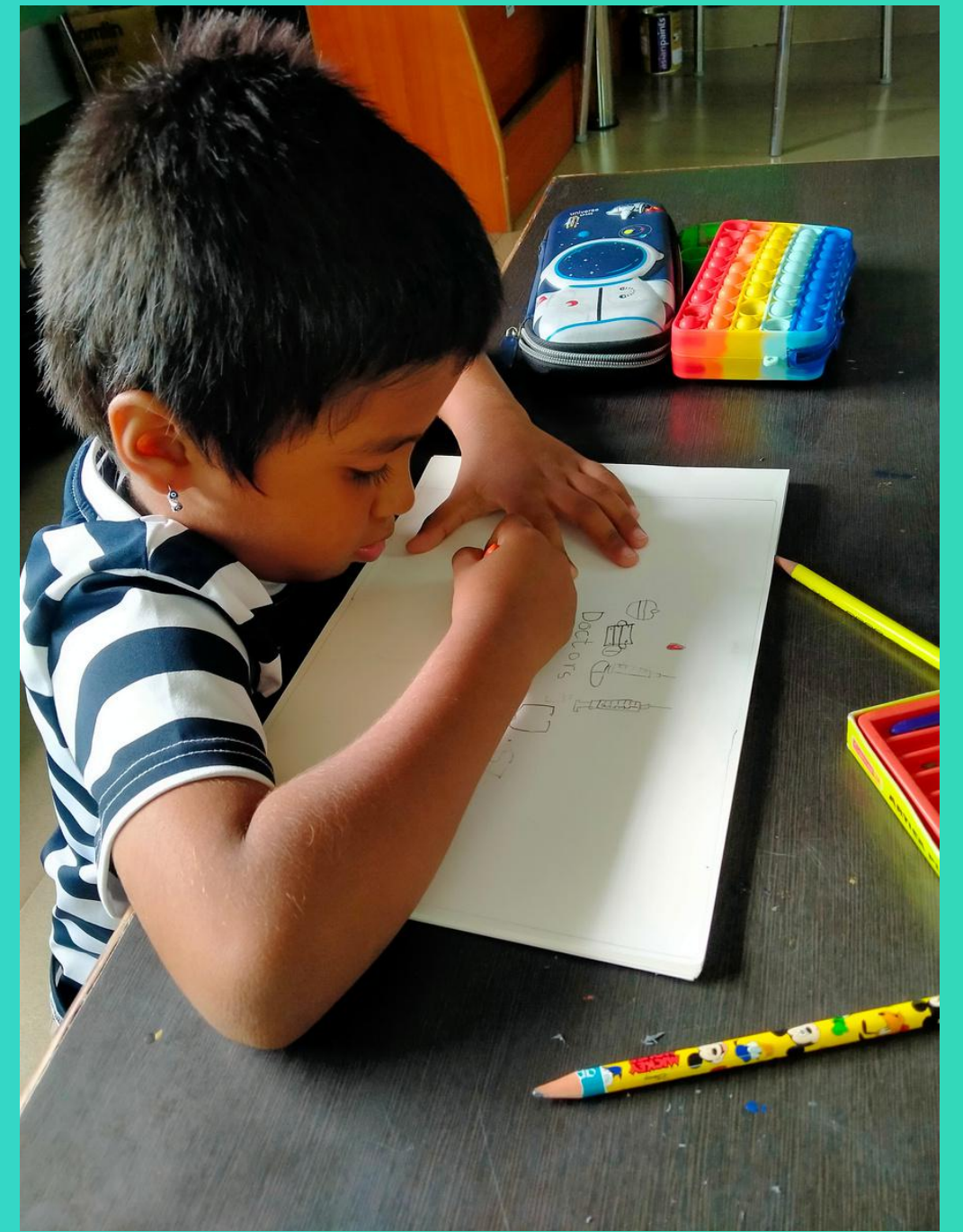
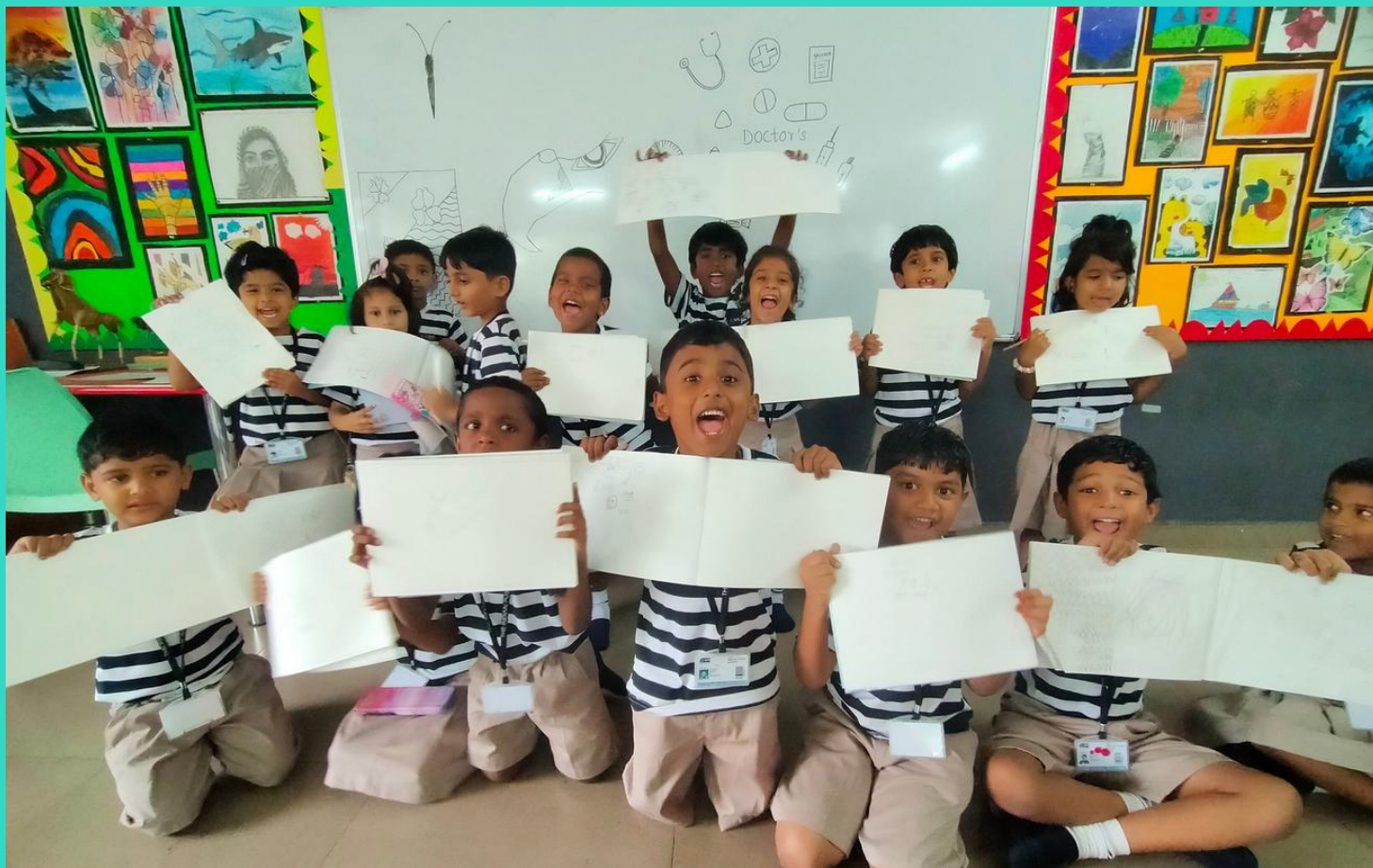




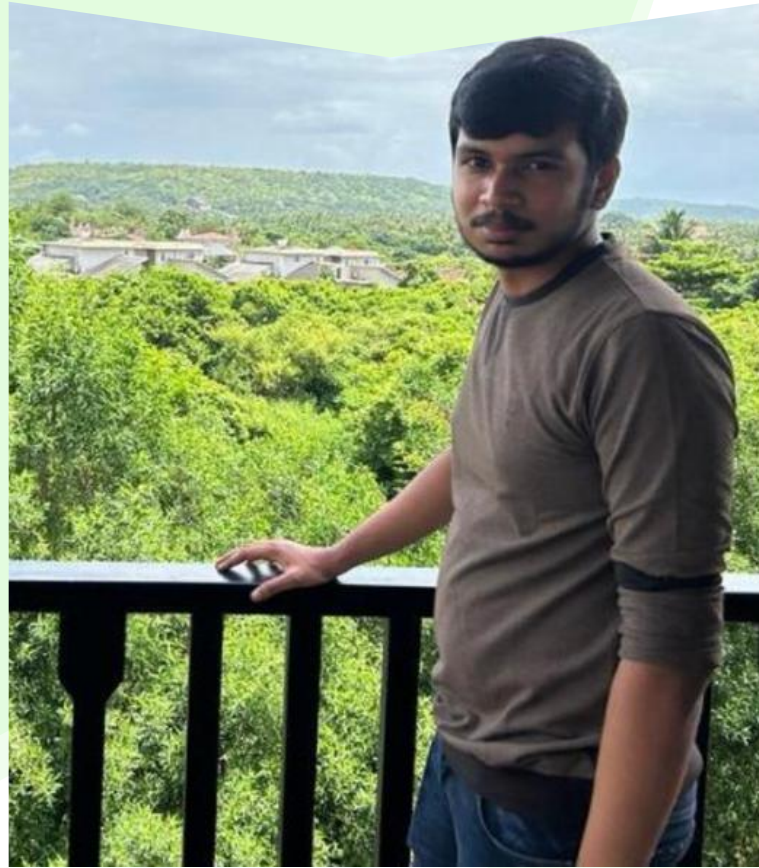
Students of Grade 1 learned about the importance of doctors and healthcare professionals. They showed their gratitude and appreciation for the men and women in white coats who make a difference in our lives by creating personalized thank-you cards for doctors. They developed empathy and appreciation for the medical profession.



A Balamurugan
Visual art facilitator



TIPS STARS



Surya Narayanan

Cambridge Class of 2019

Subjects studied - General English, Business, Economics, Accounting

Graduated BBA from Sri Krishna College of Arts & Science, CBE, MSc International Business from Coventry University, UK.

Currently pursuing MSc Accounting & Finance in Leicester University, UK.

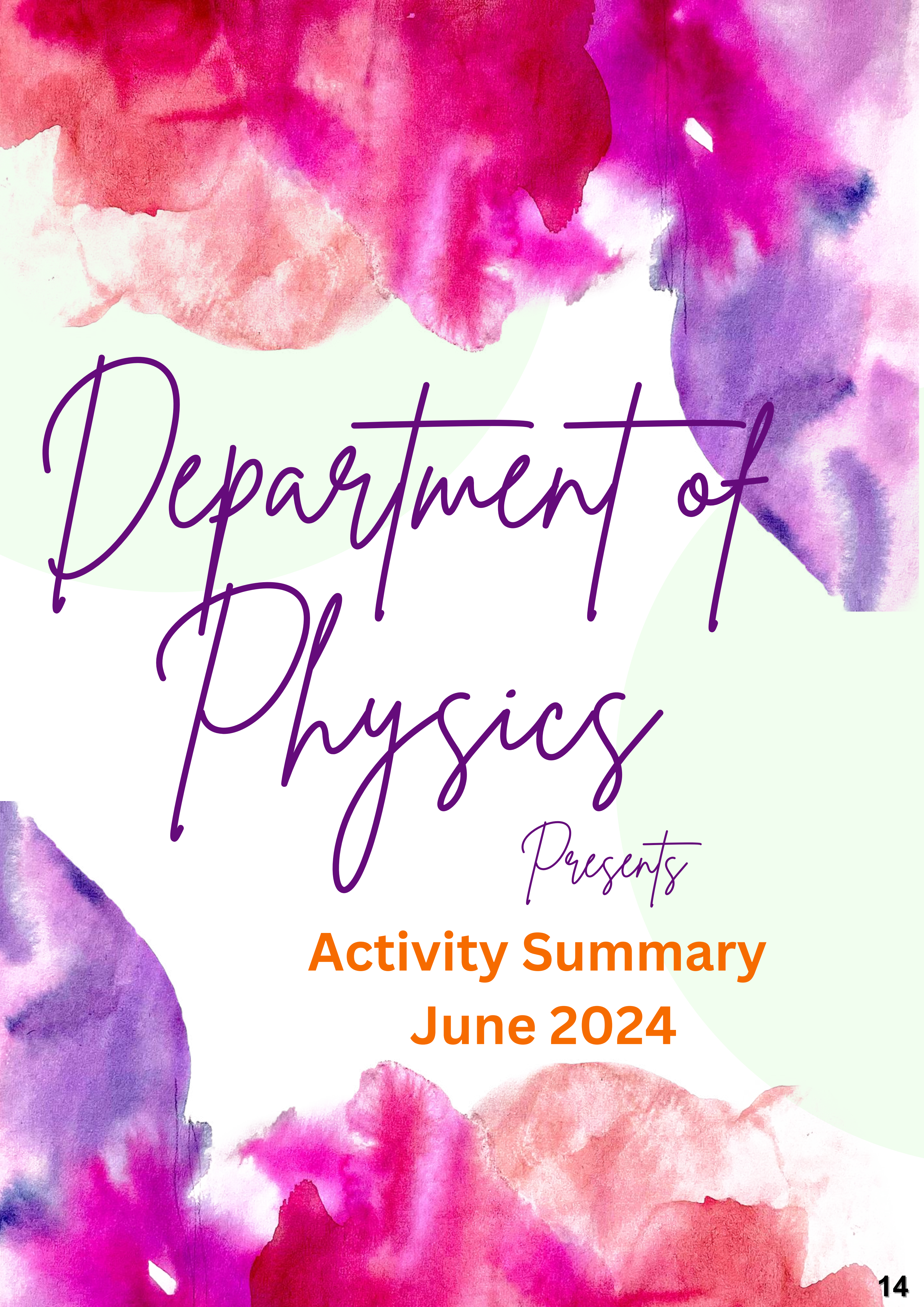
My Cambridge Experience at TIPS!!

As I reflect on my academic journey, I am grateful for the opportunity to have pursued my A levels through the Cambridge curriculum at TIPS Erode. This world-class education system not only provided me with a solid foundation in my subjects but also equipped me with essential skills to succeed in an increasingly globalized world.

The Cambridge curriculum's emphasis on critical thinking, problem-solving, and independent learning helped me develop a deeper understanding of complex concepts and prepared me for the demands of higher education. The rigorous assessment framework and feedback from experienced teachers enabled me to identify areas for improvement and track my progress.

TIPS commitment to fostering a supportive and inclusive learning environment allowed me to thrive alongside talented peers from diverse backgrounds. The curriculum's flexibility and breadth enabled me to explore my interests and passions, from sciences to humanities, and develop a well-rounded perspective.

Thanks to TIPS for providing a world-class education that has empowered me to reach for excellence!



Department of
Physics

Presents

Activity Summary

June 2024

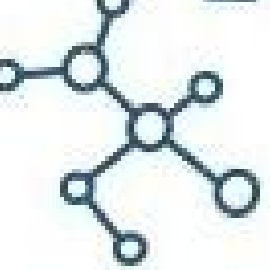
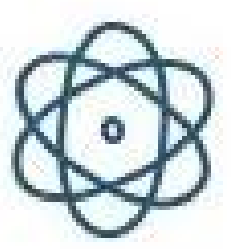
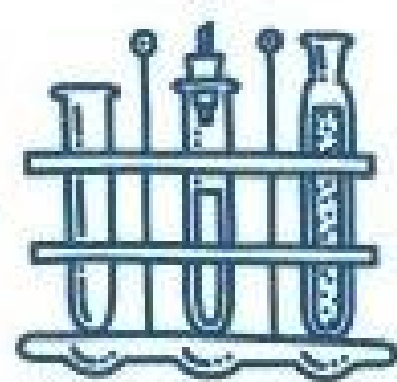
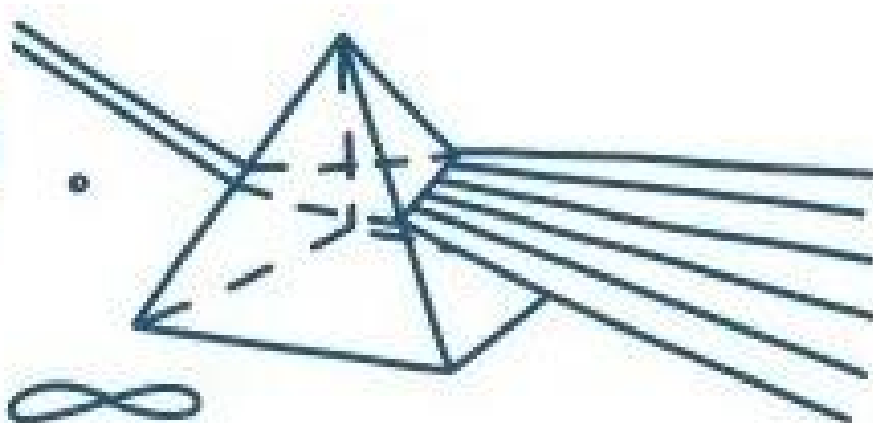
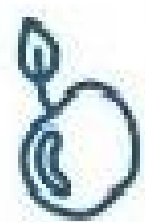
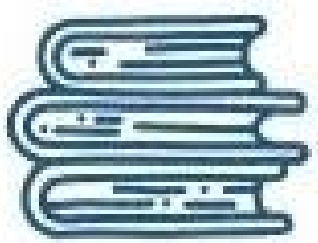
BACK TO SCHOOL TO ENJOY THE FUN OF PHYSICS



WELCOMING PHYSICS DOODLE ART



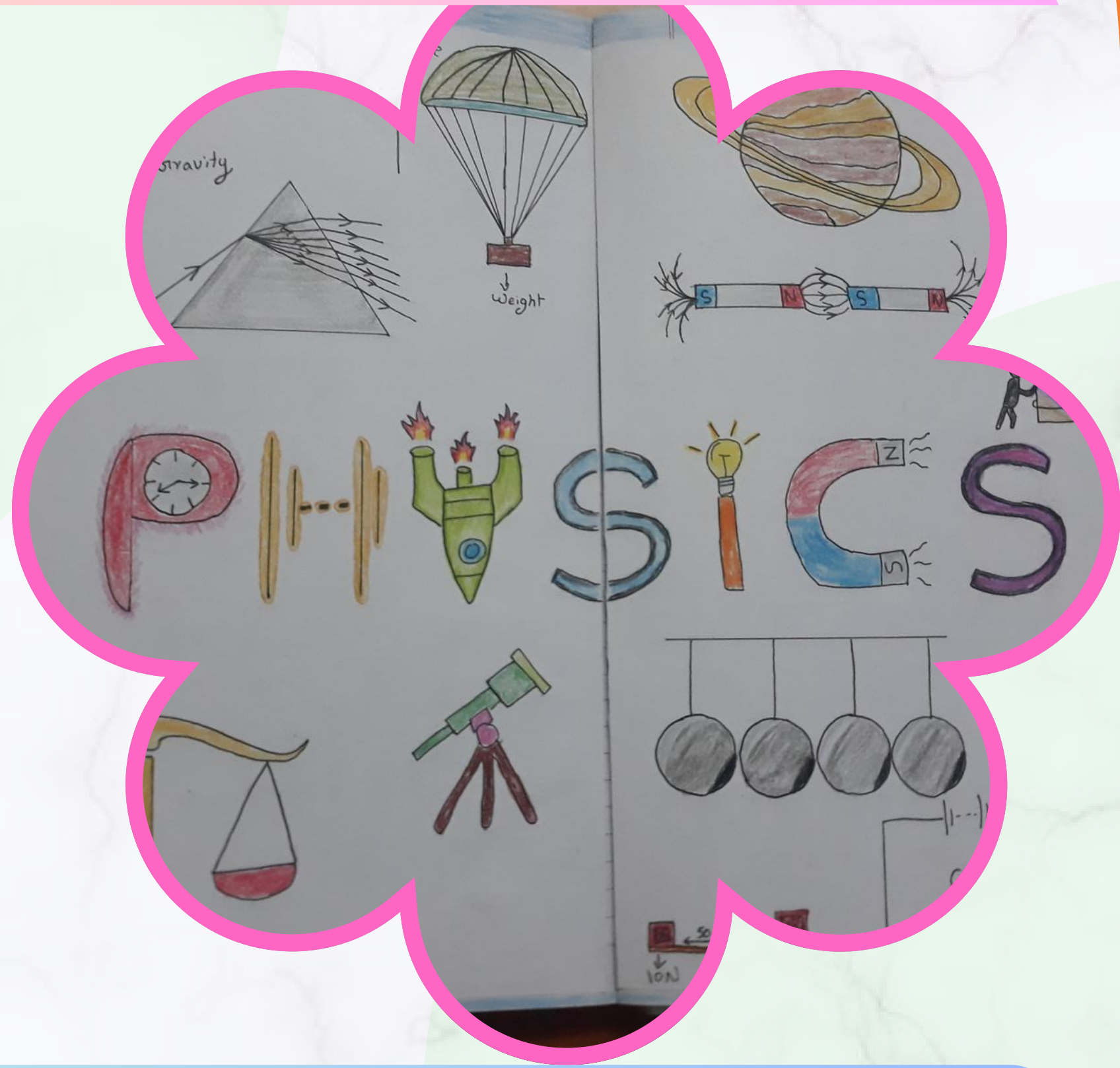
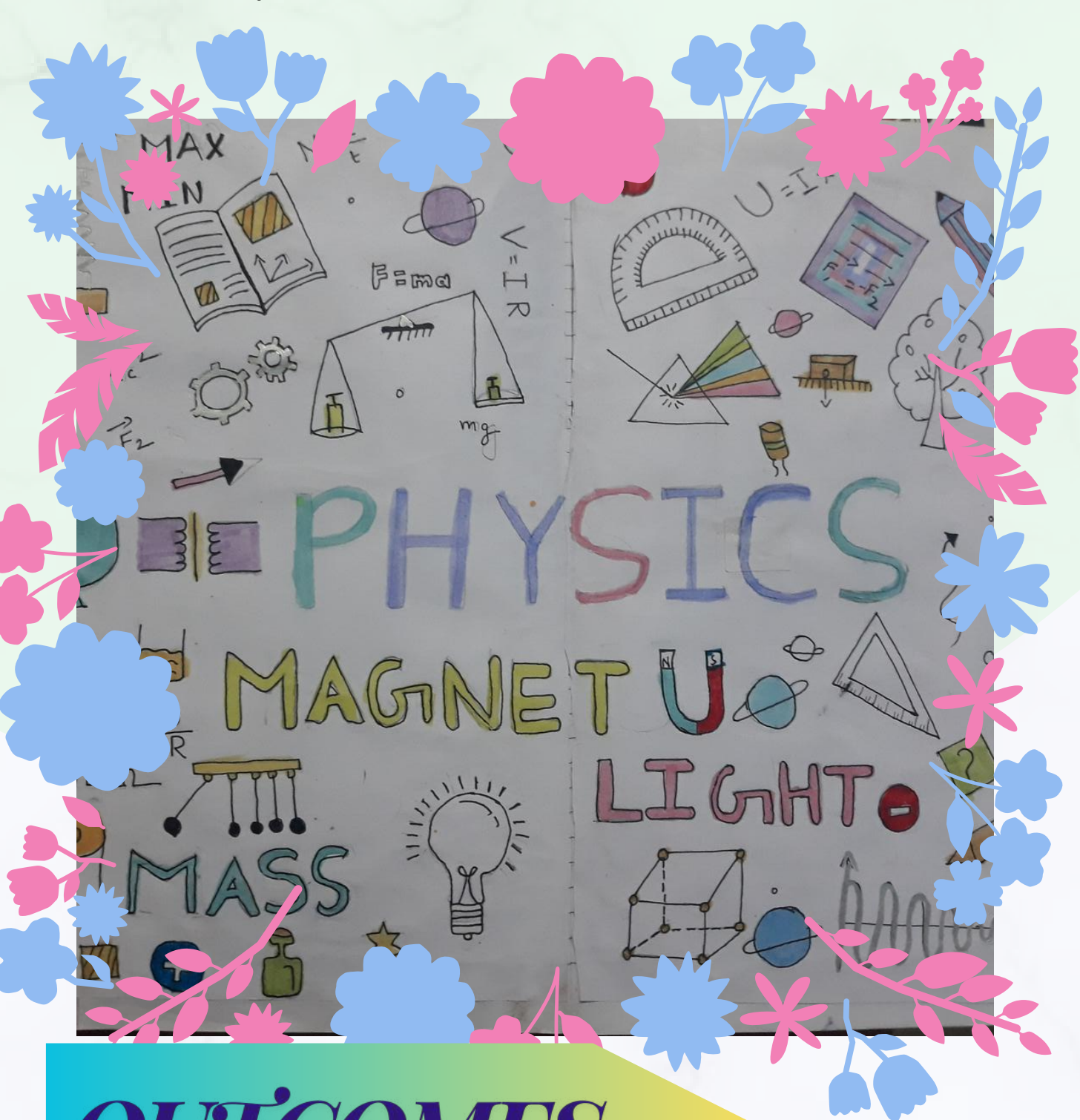
$$V = \frac{4}{3} \pi r^3$$



THE POWER OF CREATIVITY

Doodles are simple drawings that can have concrete representational meaning or may just be composed of random and abstract lines or shapes. It may appear to be random scribbling, yet it is actually more valuable than you think!

As a welcoming activity for the new academic year 2024-2025 in physics, we tried this activity of doodling to connect and recall the prior grade topics with the present grade expectations.



OUTCOMES

Focus: It activates the brain and helps to break down information, which improves memory of boring content during lectures or note-taking.

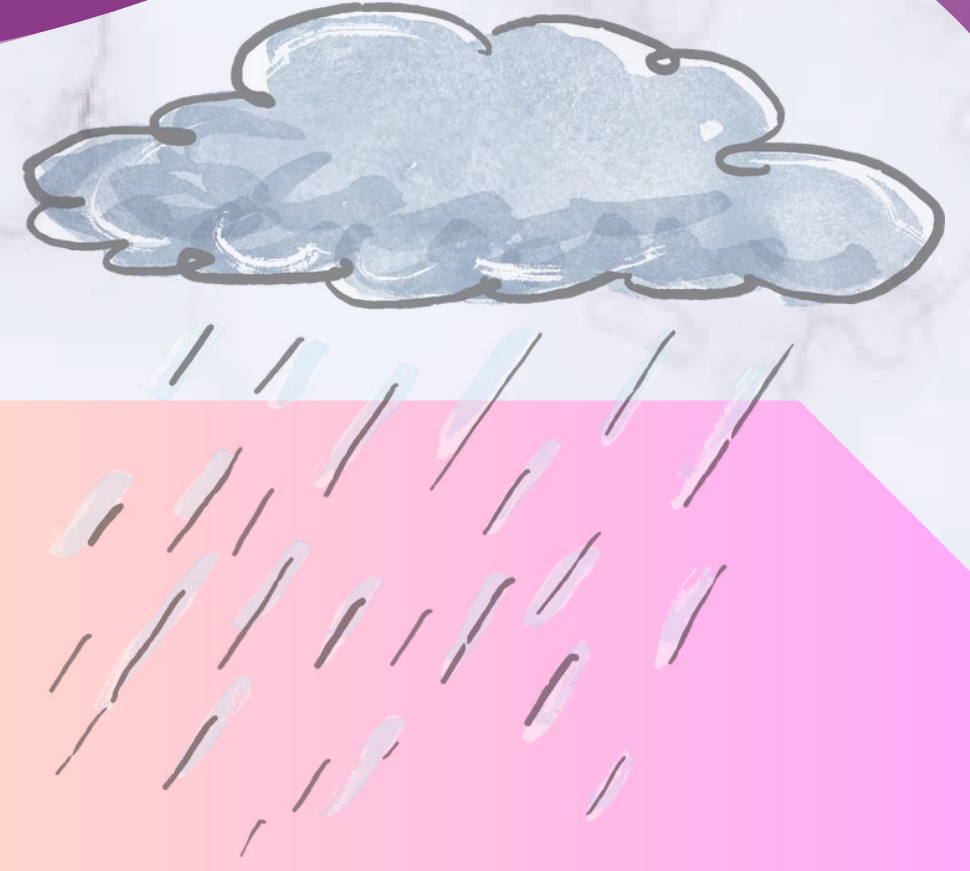
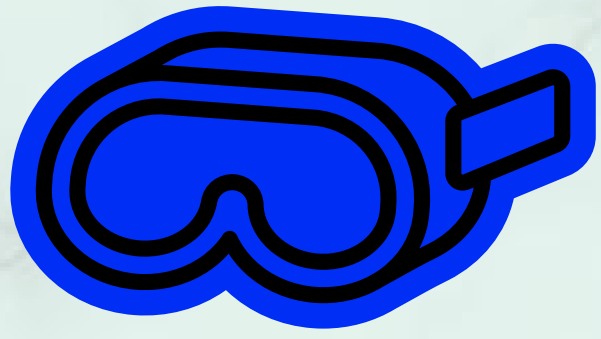
Creative Problem Solving: It can help pupils struggle with verbal reasoning or text-based instruction by guiding them to think beyond the box.

Calming Effect: It keeps children calm and concentrate for extended periods, which can help with active memory and concentration.

Intellectual Engagement: It can improve creativity and attention retention in students, contrary to popular belief. It is a great teaching tool that teachers should consider employing.



C HOT L D

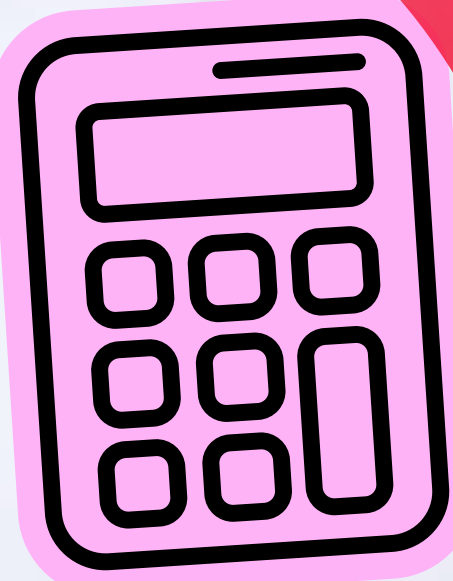


The transition from primary to secondary school is a critical stage in the educational journey. Grade 5 students enjoyed transition week activities, which let them reflect on their impending grades. They have returned to school after their summer holiday and have started having fun while learning.

Before diving into a subject, grade 6 students may wonder why they should learn it. To answer that query, here's an activity: "either hot or cold." To determine if the liquid in the container is hot or cold. The activity's purpose is to help us understand the significance of measurements in situations where our intuitions can trick us.



Quantification Master



Learning to quantify a phenomenon is a fundamental ability in physics that is essential for progress. Half of the anxiety of learning further physics will be eliminated if you are an expert at measuring physical quantities. To close the gap between various curricula students in grade 6 begin by studying measurement as a prerequisite. Through this exercise, their ability to measure quantity more precisely is improved.

Lab activity



Certainly! A lab experiment is actually a pedagogical strategy often used in education and in a professional way as well. Grade 7 learners actively involved in a lab experiment in the last week of June 2024 to investigate the relationship between distance and time to find speed using a rolling sphere on a wooden track.

Observation

The height of the ramp influences the speed, so it is considered the independent variable, and speed is the dependent variable. The distance travelled is fixed, and it is considered the control variable.

I am the Archimedes

This activity is to explore the fascinating world of Archimedes' principle!

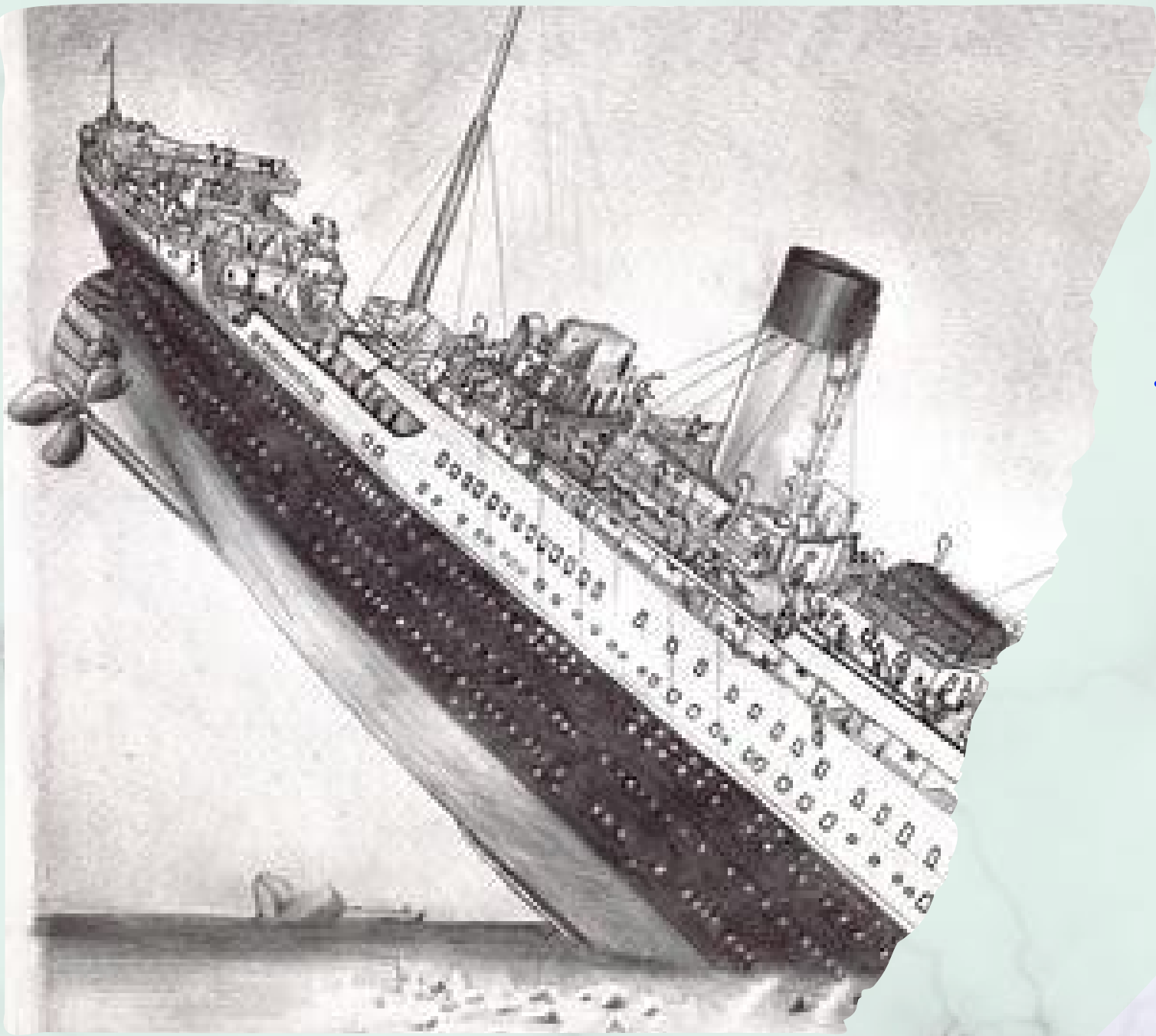


Grade 8 learners involved in this density Exploration:

- Take two objects made of different materials. (a regular-shaped metal block and an irregularly-shaped "mystery object" of unknown material)
- Measure each object's mass and volume (using the displacement method).
- Calculate the density using the given measurements (density = mass/volume).
- Predict whether each object will float or sink in water based on its density.
- This activity connects experimentation with mathematical modeling and demonstrates how engineers use density and buoyancy principles in designing boats and other watercraft.



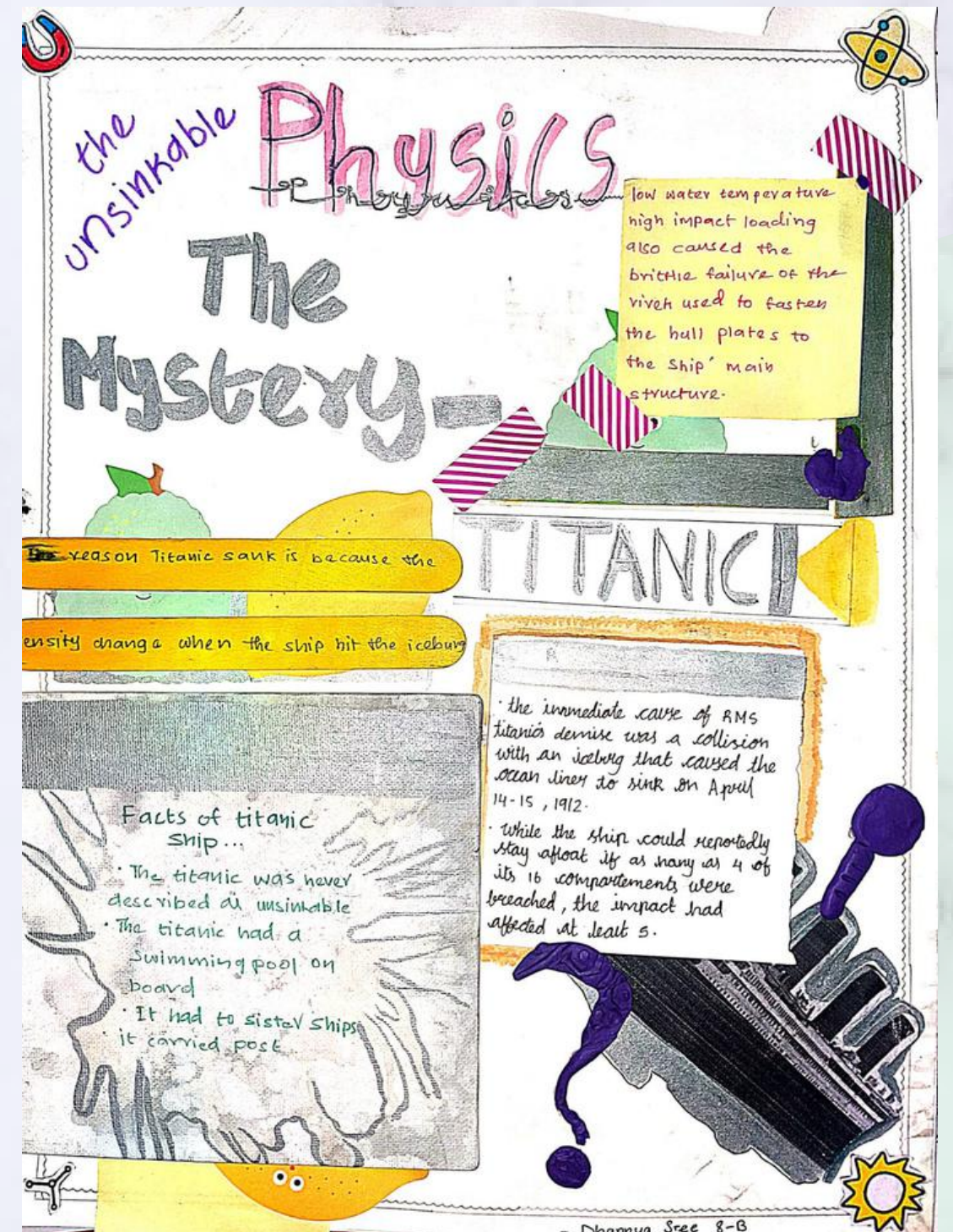
Mohanabarathy R
Secondary Facilitator
Dept of Physics



TITANIC

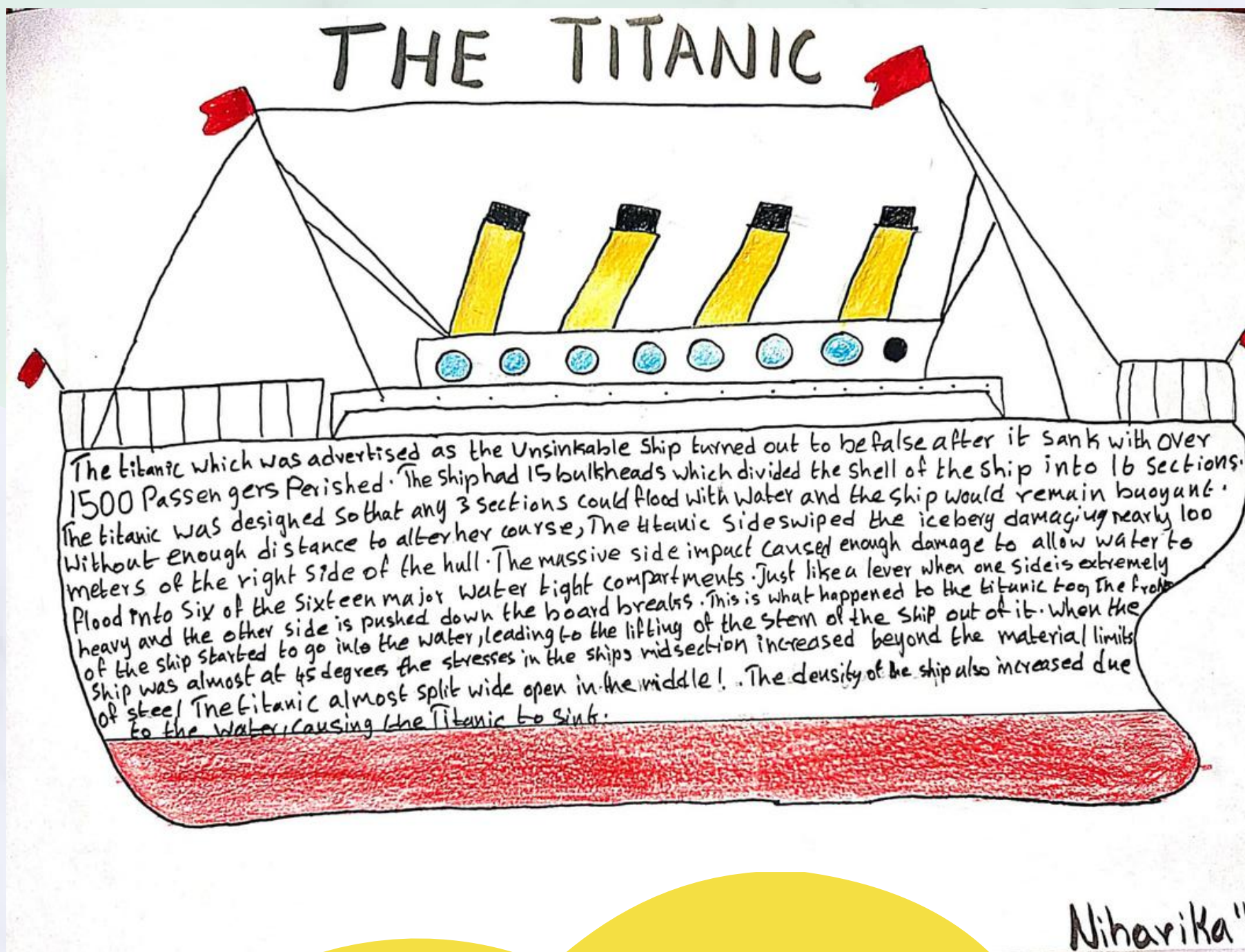
The Unsinkable

The Titanic's sinking was a catastrophic occurrence caused by a complex interaction of physics and engineering variables. Students in grade 8 investigated some important elements.



The Titanic was designed with watertight compartments. Any three portions may flood with water, yet the ship would remain buoyant, called "the unsinkable." This design ensured that the influx of water did not alter the boat's density balance with the surrounding sea. Whether an object floats is determined more by its density than by its weight. Metallurgists determined that the rivets that held the Titanic's hull together were of varying composition and grade. Because of these irregularities, the hull portion that collided with the iceberg was weaker.

Inferior-quality materials could have been utilized as a cost-cutting strategy, endangering the ship's structural integrity. When the Titanic hit the iceberg, the first officer ordered the propellers to reverse, reducing the ship's ability to navigate. The impact caused rivets to pop off, opening gashes in the hull and leading to flooding.



9016124

"THE TITANIC" AKA "THE UNSINKABLE"

ABOUT THE TITANIC

- At that time (1911), It was one of the largest & opulent ships of the world.
- The Titanic was built in Belfast, Northern Ireland by Harland & Wolff for passage between Southampton, England, New York City.
- It was the largest and luxurious passenger ship.

FACT #1

FACT #2

PHYSICS BEHIND THE TITANIC

- The reason the Titanic sank is because the density changed when the ship hit the iceberg. The free surface effect combined with the uneven distribution of water due to compartment damage, caused a loss of stability, leading to a list & subsequent capsizing of the ship.

3 Factors was present

- The water temperature was below freezing.
- The Titanic was travelling in a high speed on the impact of touching the iceberg.
- The hull steel contained high levels of sulphur.

FACT #3

-NILA-8C

Reflection

Physics classes are really interesting because of the activities. Seeing real-life scenarios in which physics is applied makes us look forward to physics class every day. "Titanic—The Unsinkable and I am the Archimedes" are such kinds. It also gives us a better understanding. Learning physics is better with activities.



ASHVITA KARTHIK

8B

PHYSICS THROUGH EXPERIMENTS

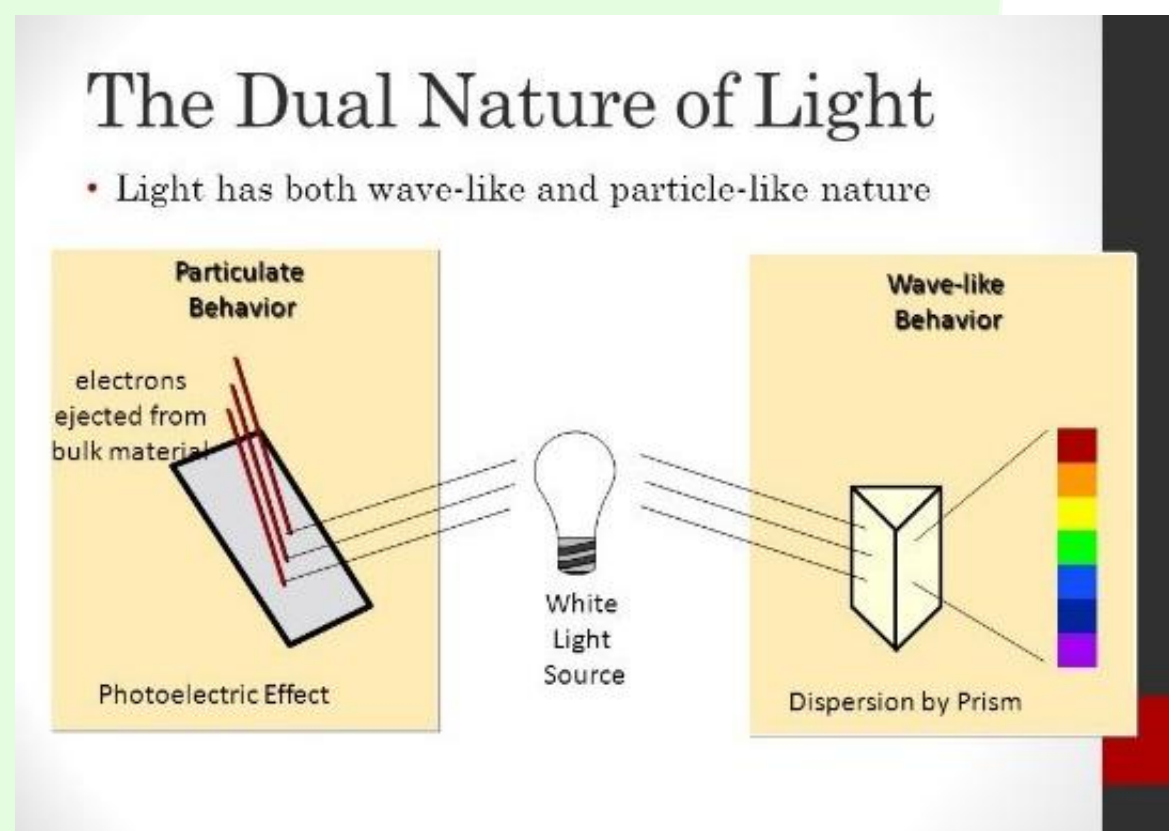


Image description: Light Split Personality: Particle and Wave

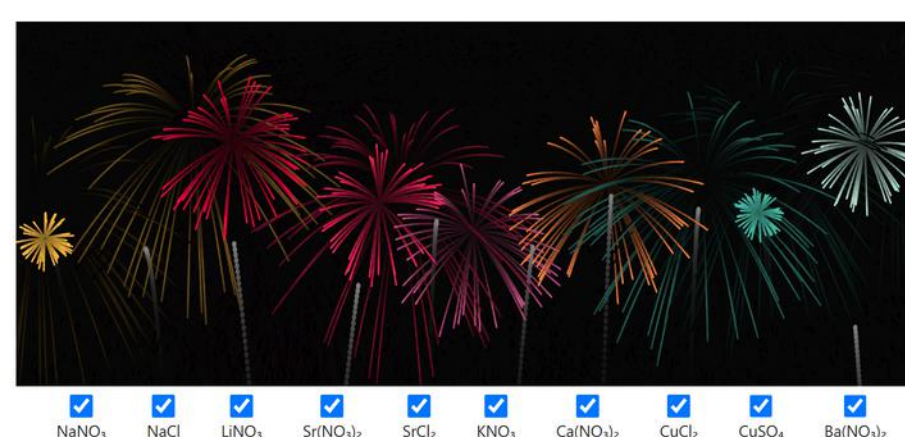
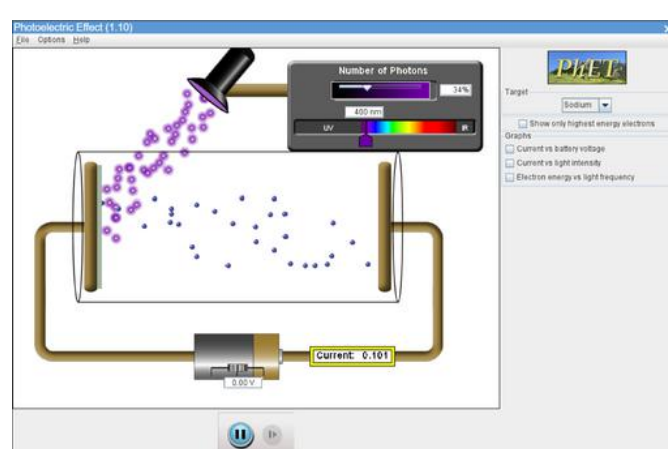
As science students and a physics class facilitator, we often find ourselves engaged in intense discussions about quantum physics, a theory that remains one of the most controversial when it comes to understanding the nature of the smallest particles and their interactions with light. We inhabit a universe composed of atoms, which themselves are made up of even smaller particles such as electrons, protons, and neutrons. Remarkably, these particles are not confined to a specific location within the atom but are instead spread out over a certain range.

To put this into perspective, consider taking a meter-long ruler and slicing it into 10,000,000,000 pieces. Each slice would be approximately the thickness of a single atom. This concept is truly mind-blowing, as it highlights the fact that we are dealing with particles that exist on a scale far beyond our everyday experiences.

Quantum physics is often perceived as difficult and filled with controversial ideas because it challenges our conventional understanding of the physical world. However, it is precisely this complexity and the revolutionary insights it offers that make it such a fascinating and essential area of study in modern science.

At the end of the day, most of the technologies we use nowadays are only possible due to the application of quantum physics to our real world. Examples include lasers, electron microscopes, magnetic resonance imaging (MRI) devices, and the components used in computing hardware. These are all products of quantum physics.

Since students are studying particles that are not visible to the human eye, we use interactive simulators to help them understand these concepts and conduct virtual experiments. Students are encouraged to utilize these interactive tools for various concepts, enhancing their comprehension and fostering a deeper interest in the subject.



Joedaikalaraj M
SME & Higher Secondary
Teacher (Grade 12)
Department of Physics
The Indian Public School, Erode.

SECONDARY

PHYSICS THROUGH EXPERIMENTS



Physics Practical is conducted to the As level students by Physics department.

The practical session exposed students to experiments that are relevant to their AS level exams. This exposure helps them understand the practical applications of physics concepts they learn in theory.

By conducting experiments similar to those in the AS level exams, students get valuable practice. This prepares them not only for the content but also for the format and expectations of the exams set by Cambridge.

Outcomes:

- 1. Proper Use of Equipment:** Students learned how to use various types of physics laboratory equipment correctly. This practical skill is essential for conducting experiments accurately and safely.
- 2. Data Collection and Presentation:** They learned how to collect experimental data systematically and present it in a clear and concise manner. This skill is crucial for scientific reporting and analysis.
- 3. Interpretation of Data:** Analysing experimental data helps students understand physics principles in depth. This interpretation is a fundamental aspect of learning and applying scientific knowledge.
- 4. Problem-Solving Skills:** Engaging in experimental work sharpens students' problem-solving skills. They learn to apply physics principles to solve practical problems encountered during experiments.
- 5. Identifying and Minimizing Errors:** Students gained the ability to identify possible errors in experimental measurements. Moreover, they learned techniques to minimize these errors, which is essential for obtaining accurate and reliable results in scientific research.

Overall, the practical session not only enriched the students' understanding of physics concepts but also equipped them with important scientific skills necessary for their AS level exams and beyond. It aligns well with Cambridge's expectations by providing a comprehensive preparation platform that integrates theoretical knowledge with practical application.



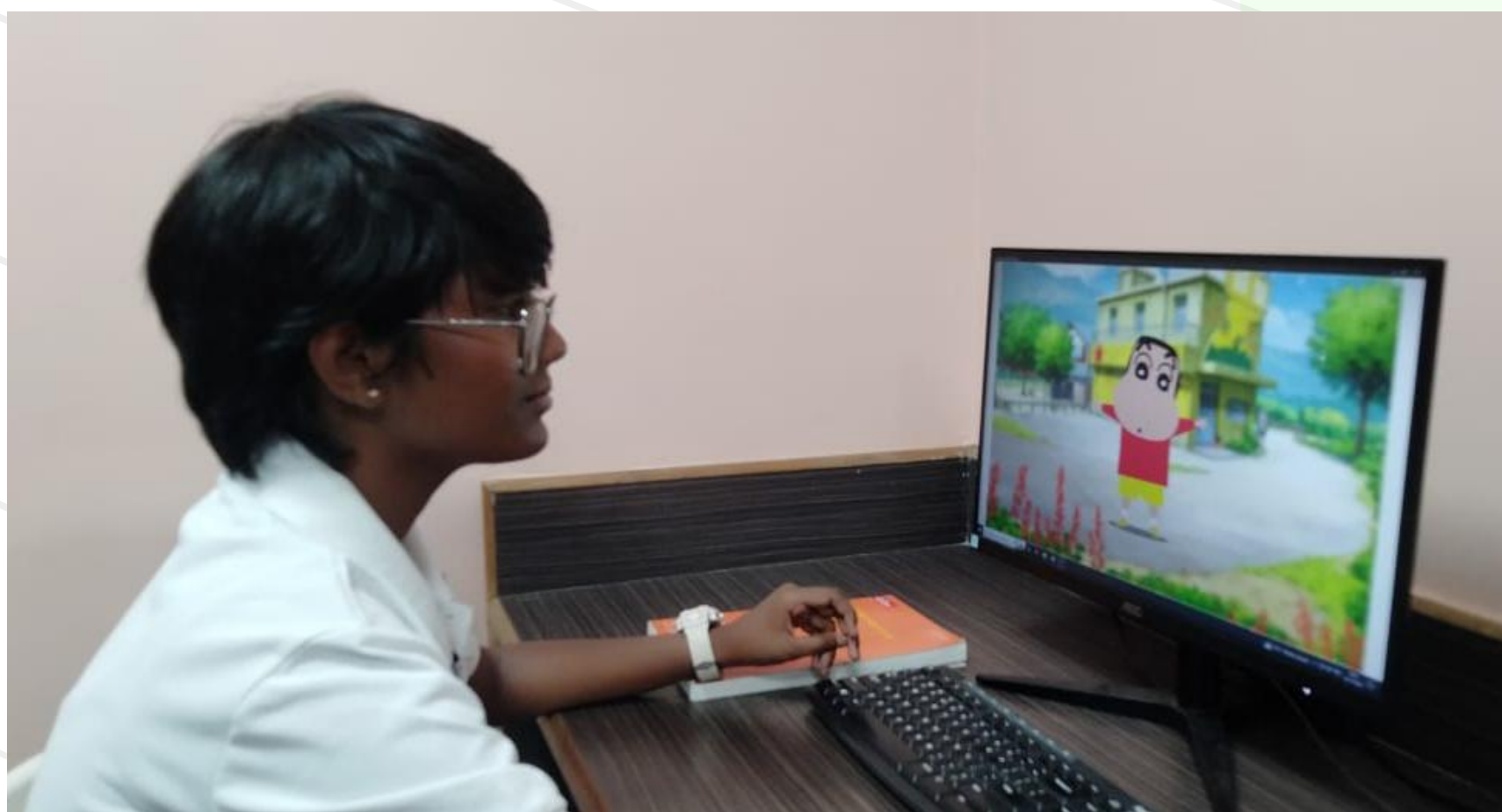
Subatra N
Physics Facilitator
The Indian Public School, Erode

SECONDARY

DIGITAL MEDIA AND DESIGN



Our learner Britta of Grade 11 was taught how to develop a character of her choosing, and animate it in Adobe Animate CC.



ILANCHERAN.S
DMD
FACILITATOR

DESIGN THINKING TECHNOLOGY ENGINEERING



"Inspiring Innovation: A Glimpse into Our YSAP Makerspace and Design Thinking Program"



Our Design Thinking department helps children develop an interest in research and creativity. The upgraded resources and exclusive design technology lab at our school will inspire students to build more prototype models and display their skills. In our evening YSAP class, we were offered the option of a makerspace. The major goal of including a makerspace in the YSAP class selection list is to boost Student's creativity and allow them to express it in that class. In the YSAP makerspace class, students are given the opportunity to extend their DTTE learning and the space to create prototype models. We are sharing glimpses from the last YSAP DTTE classes.



CREATIVITY ACTIVITY SERVICE VOCALS



[CLICK HERE](#) 

Our second-graders are performing the song correctly and have mastered it. Their performance demonstrates their commitment and hard work. Seeing such young pupils grasp the song with such enthusiasm and accuracy is astounding. They have shown outstanding cooperation and aural comprehension. This achievement is evidence of their dedication and the caliber of training they have received. Everyone, keep up the fantastic effort!



DHINESH
VOCALS
FACILITATOR

CREATIVITY ACTIVITY SERVICE DANCE



Grade 1 Learners Master the Art of Balance! This week, our energetic Grade 1 learners delved into the fascinating concept of balance! Through engaging lessons and hands-on activities, they discovered the importance of balance in everyday life and its application to movement and coordination.

Our young scholars learned the significance of balance for various activities, from simple standing to complex dance moves and sports. We introduced them to various techniques, including standing on one foot, walking on a straight line, and sitting on their toes without touching the floor or anything else. They also practiced the helicopter move in breakdancing. These activities helped develop their core strength and stability.



AASHIQ
DANCE
FACILITATOR

CREATIVITY ACTIVITY SERVICE MUSIC

Rhythm and Bass Programming.

Learners : Sebevelan. S. S. and Ruqaiya. H. P.



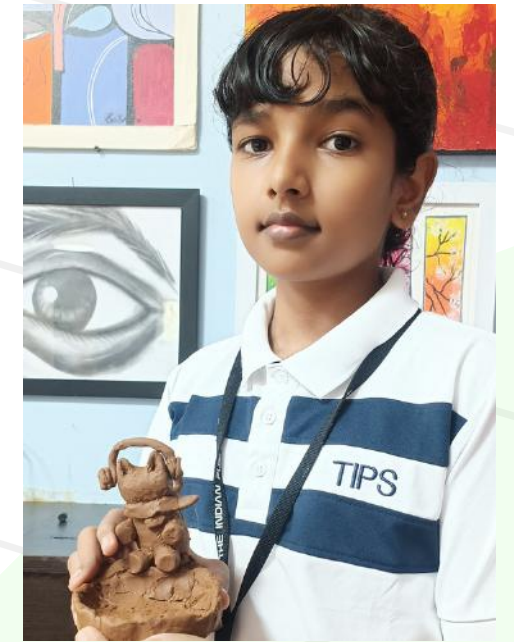
[CLICK HERE](#)

In this session, our learners tried to understand how a beat is made with rhythm and bass based on previous icebreaking activity. They learnt the basics of recording ethics and MIDI programming. This is a Hiphop beat in (4/4) time signature. Kick, Snare and Hihats were programmed and we recorded a random object in the class to induce creativity and encourage them to be experimental.



SUNIL
Music Facilitator

CREATIVITY ACTIVITY SERVICE ART



Students in the seventh grade can create a clay flower vase by adding a base by scoring and slipping, rolling the clay to eliminate air bubbles, cutting a rectangle for the body, shaping it into a cylinder, smoothing the joints, letting it dry until leather-hard, refining the shape, letting it dry completely, painting or glazing it, firing it (if using kiln-fired clay), and finally inspecting and finishing the vase.

Using techniques like pinch pots, coil building, or slab construction, sixth-grade students can create a variety of forms. This allows them to experiment with shaping clay, drying their creations, decorating with paints or glazes, and, if available, firing their pieces in a kiln to achieve a final, polished product.



VINOTHINI
ART
FACILITATOR

CREATIVITY ACTIVITY SERVICE MUSIC



Pranavika, Vriksha, Pranav, and Adhvik are all playing the happy rhyme

"HOT CROSS BUNS."

The G major song scale.
Correct fingering is taught to the students:
thumb on G, index on A, and middle finger on
B. Every word of the song is performed in perfect meter.



MR. SATHYAMOORTHI
MUSIC FACILITATOR



Football tournament

The 2nd Nathan Memorial Trophy Interschool 5-a-side football tournament, featuring both girls' and boys' under _11,under_13 ,under _17,under _19 teams, is being held at Vivekam Secondary School in Coimbatore from July 4 to July 6, 2024. Several school teams are participating in this event.



PHYSICAL EDUCATION



Congratulations to our Under 17 Boys Soccer Team!

We are thrilled to announce that our Under 17 boys' team secured 3rd place in the 2nd Nathan Memorial Trophy 5A Side Soccer Tournament, held from 4th July 2024 to 6th July 2024 at VIVEKAM School, Coimbatore.

Our team displayed exceptional skill, teamwork, and determination throughout the tournament. We are incredibly proud of their hard work and dedication.

A big thank you to our soccer coaches for their unwavering support and guidance. This achievement would not have been possible without their efforts.

Let's continue to support and cheer for our talented students in all their future endeavors!





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