RALLI INTERNATIONAL SCHOOL

Academic Year 2024-25

Student Communique

ISSUE NO. 2

Mindscapes

The Art of Thinking Differently

Narayani Majumdar 8D

Each individual's mindscape is unique, painted with the colors of their dreams, fears, and aspirations.

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Rallian Breakthrough: Unlocking the Power of Unconventional Thinking

Out of the Box Thinking :

- Fosters innovation
- Solves complex problem
- Boosts growth
- Makes one Adaptable
- Promotes Analytical thinking
- Enhances Creativity

"Education is the passport to the future, for tomorrow belongs to those who prepare for it today." –Malcolm X

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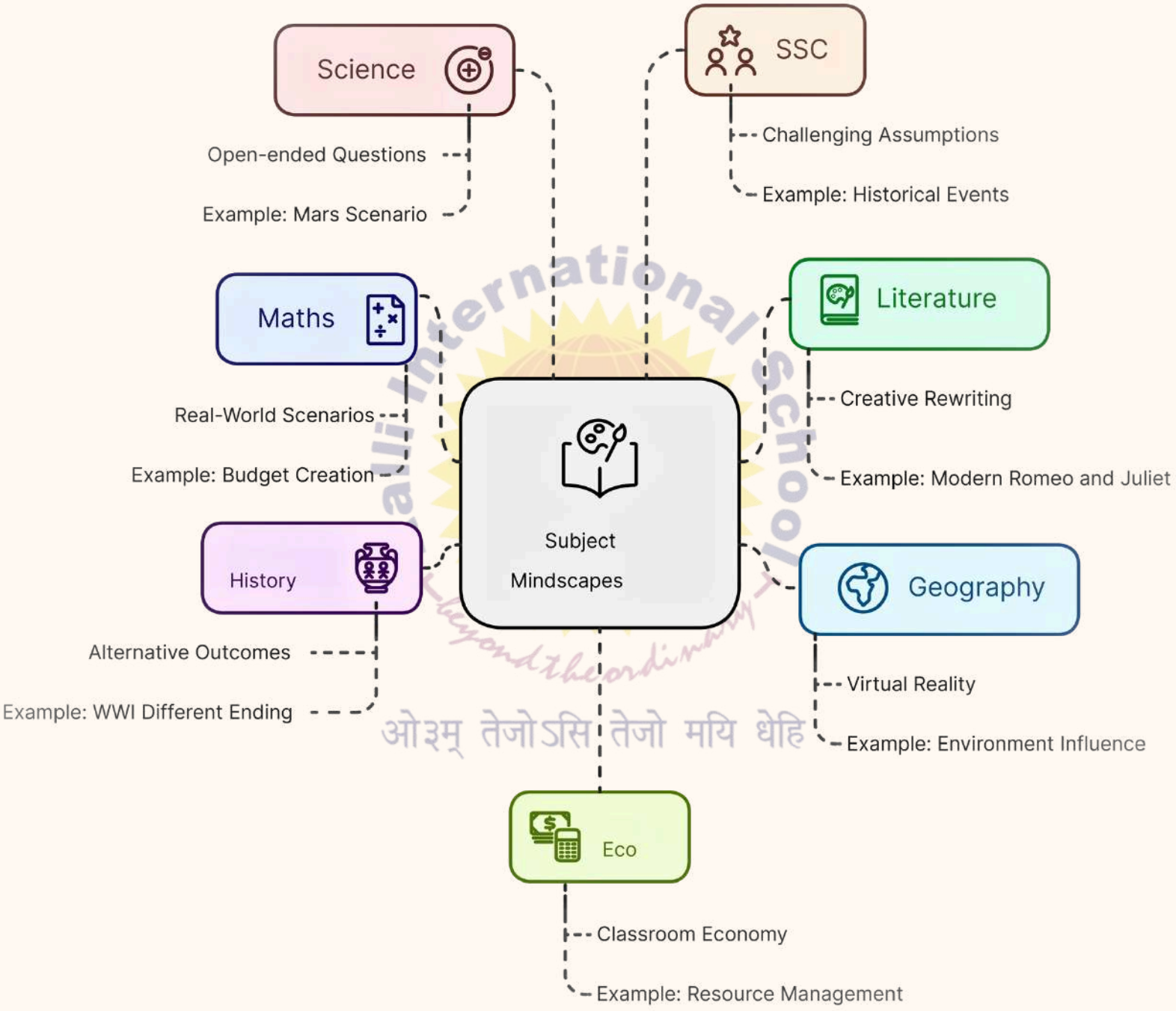
SUBJECT MINDSCAPES



"The man who views the world at fifty, the same as he did at twenty has wasted thirty years of his life."—Muhammed Ali

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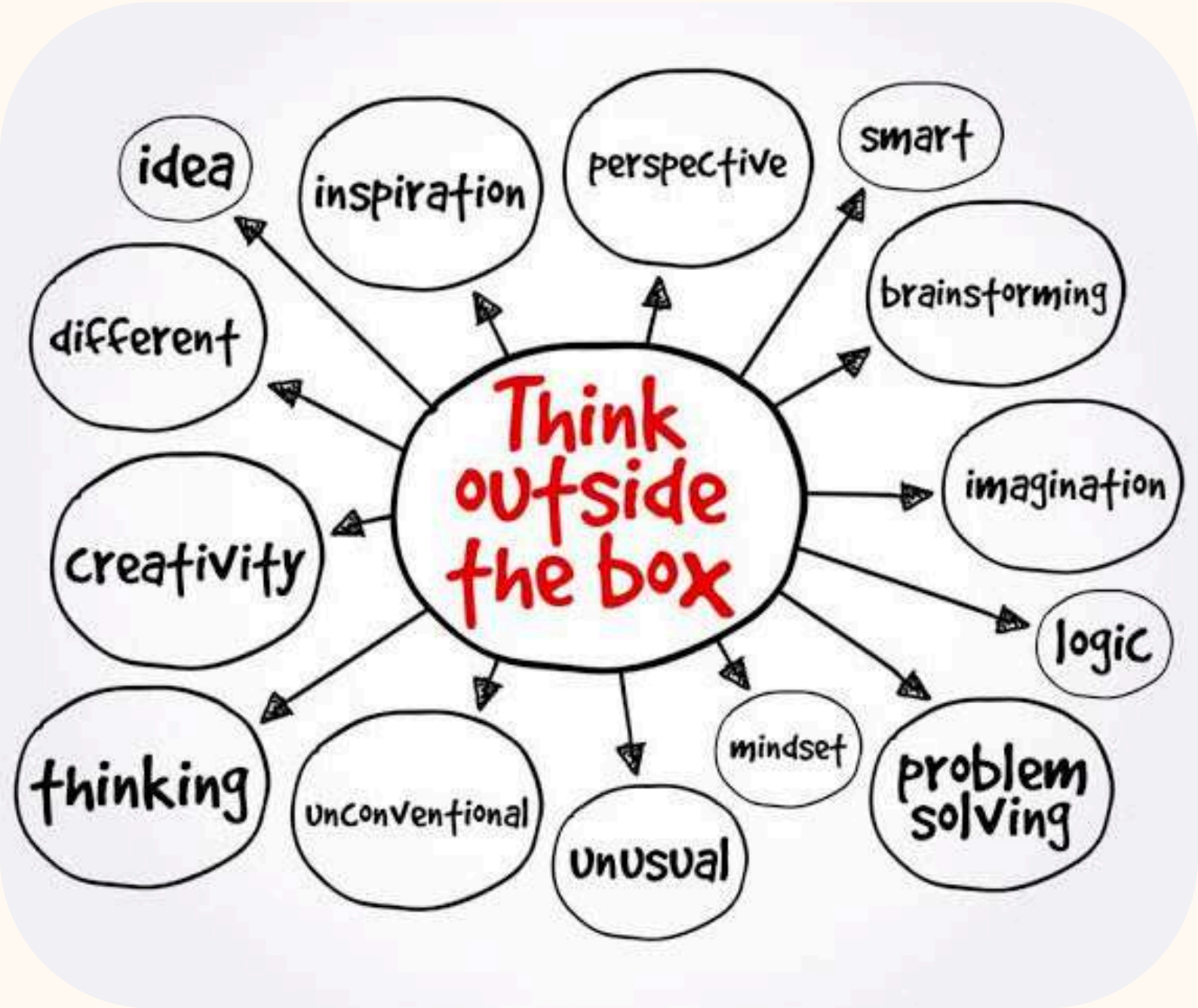

"If everyone is thinking alike, then someone isn't thinking."
–George S. Patton

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EDITORIAL

Dear Readers,

In a world filled with routine and conformity, embracing new ways of thinking is a transformative experience. We believe that reading is not just a pastime; it's a gateway to reimagining our perspectives and exploring the art of thinking differently.

This month, we celebrate the power of literature to challenge our assumptions, inspire innovation, and encourage us to see the world through fresh lenses. Whether you're diving into a groundbreaking idea in a thought-provoking non-fiction piece or uncovering alternative narratives in a captivating novel, every book invites you to expand your mind.

Join us on this journey of exploration, as we navigate the diverse landscapes of thought and creativity, and celebrate the beauty of questioning and redefining our understanding of reality. Here's to the art of thinking differently—happy reading!

"To write well, express yourself like the common people, but think like a wise man." – Aristotle

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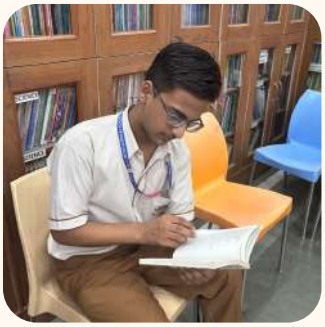








Kavya Sahai (XI-A1), Navyya Bansal (XII-C), Pratishtha (XII-C), Avika Chauhan (XI-B), Vaishnavi Agrawal (XI-B), Maulik Jain (XI-A1)

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Rhythms of Imagination

Poems that Break the Mold

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Poetic Pulse

Aavya Chauhan
XIII-A

My Mind: An Empty Canvas

My mind is a canvas, so vast and wide,
a world of thoughts, where ideas reside.
An unwritten fairytale, where the rules don't prevail,
a unique realm where new ideas can sail.

I paint with my imagination, with colors so bright,
creating mindscapes, where creativity takes flight.
An endless book, waiting to be created,
where stories unfold and dreams are generated.

I color outside the lines, where there are no bounds,
and bring vibrant beauty, to uncharted grounds.
I feel like a wizard, shaping everyone's destiny,
weaving a tail of wonder, for all of humanity.

so don't let your wonder die, don't let it be cast aside,
it's a precious gift, embrace it with joy and pride.
Nurture its spark, and let it be you guide,
and in its light, your true self will reside.

Ayesha Divya
X-D

Jahnavi Dugar
IX-A

Waves of Imagination

In the mind's open space,
Ideas shift at their own pace.
Colors blend, shapes twist,
In a world where rules don't exist.

Thoughts break free, find new ways,
Exploring paths where no one stays.
Mountains rise where none were before,
Turning the unknown into something more.

In these horizons, bold and bright,
New ideas take their flight.
Thinking freely, clear and true,
Reveals a world made new.

In this place, imagination thrives,
Creating worlds where wonder drives.
Limitless thoughts and boundless dreams,
Shape the world in new extremes.

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Poetic Pulse

Crafting Worlds From Dreams

A world of color, vast and free,
Where limits fade, and we can see,
The endless paths we've yet to tread,
Born from visions in our head.
With every thought, a new idea,
A spark of light, a vision clear,
From simple things to grand design,
The power of the mind's divine.
Creativity, a boundless sea,
Where anything can come to be,
It molds the future, shifts the past,
And crafts a legacy that lasts.
With every thought, new worlds unfold,
Stories untold, adventures bold,
Creativity, a gentle guide,
Turns simple ideas to wonders wide.
Imagination knows no bounds,
In silent rooms, its voice resounds,
A power strong, a force so pure,
To shape the world and all that's sure.
So dare to dream, to sketch, to write,
To turn the dark into the light,
For in your mind, the power lies,
To build new worlds, to touch the skies .

Sanskriti Ran
XI-A1

Art of Thinking Differently

Thoughts and ideas like colours reside
The art of thinking differently a journey to explore
Where the creativity and innovation, forever roar.

The art of thinking differently a skill to refine
To see beyond the obvious and redefine
The norms and conventions that bind and restrict
And unlock the potential that lies within the intellect.

With every thought a new paths laid
A journey of mind where possibilities are made
The mind sees beyond the ordinary sight
Unveiling the truth in the dark of night .

With each step forward our perspectives shift
Like the sands of time our thoughts begin to drift
In this mindscape we find the power to create
To shape or thoughts and shape our fate
So let us embrace this art of thinking bold
And unlock the secrets of the mind yet untold.

Shree Mittal
X-D

"Every child is an artist. The problem is how to remain an artist once we grow up." – Pablo Picasso

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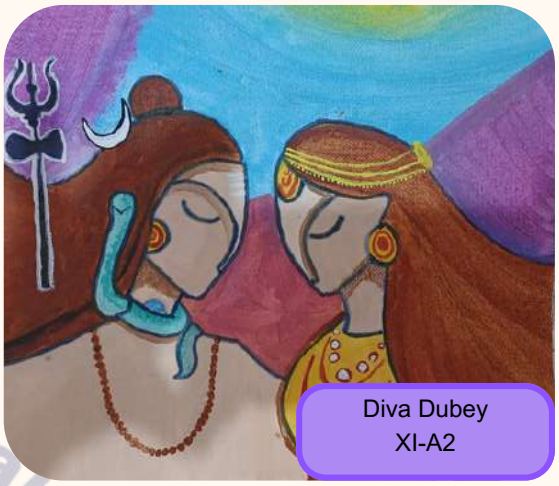
Poetic Pulse

Uncharted Realms of Creativity

My mind is a canvas, vast and wide
Where imagination paints, and stories reside
A world of wonder, where dreams unfold
Where fantasies roam, and magic is told
With every thought, a new tale unfolds
Where heroes rise, and legends are told
In this boundless land of make-believe
My imagination knows no limits, its free to breathe
So, let me wander, in this world of dreams
Where imagination knows no bounds, it seems
Where creativity reigns, and magic is me
And the possibilities are endless, wild and carefree !

Ananya Mehra
XI-A1



Diva Dubey
XI-A2

When to Take Light

A gentle bird saw a star descend,
And in its heart, a spark was born,
It spread its wings, its flight to send,
To reach the star before the morn.
But as it flew through darkened skies,
The star began to break and fall,
Its pieces lost, its light denied,
The bird's hope faded with it all.
Its feathers frayed, once strong and bright,
The colors dulled, the journey done,
Yet in the quiet of the night,
The bird found peace beneath the sun.
For not all stars are meant to stay,
Some dreams will drift and fade from sight,
Yet in their loss, the bird will lay,
A heart that knows when to take flight.

Prayash Patra
XI-B

Shakiya Neyaz
X-C

"It takes a big heart to help shape little minds." – Unknown

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Poetic Pulse

Imagination: An Endless Stream

Imagination's endless stream
Where fantasy and wonder gleam,
It spins a web of thoughts and hopes,
Through mystic lands and cosmic scopes.

In every twist and turning thought,
It molds the future, shapes the sought,
Creates the stories yet untold,
And paints in hues of fiery gold.

It whispers secrets to the heart,
And every dream it can impart,
A realm where every "might" and "may"
Becomes a vivid, bright display.

From tiny sparks of fleeting dreams,
It conjures grand and bold extremes,
In every shadow, light can play,
And every night can birth a day.

So cherish well this wondrous guide,
That takes the mind on a sweeping ride,
For in its grasp, we find the key
To worlds unbound and spirits free.

Kanishka Gupta
XII-B

Mindscapes of Innovation

In the quiet corners of the mind,
Where whispers of new paths unwind,
Lies a realm where visions start,
Crafted by a daring heart.

Through meadows of the untried thought,
Where dreams and ideas are gently caught,
Innovations take their flight,
Chasing the horizon's light.

Each thought a brushstroke, bold and bright,
Painting futures in the night,
Beyond the realm of tried and true,
To vistas wide and wonders new.

To think apart, to stray from lines,
Is to unlock the grand designs,
Where creativity's flame ignites,
Transforming shadows into lights.

So wander far through these terrains,
Where thinking breaks and knowledge gains,
For in these mindscapes, fresh and rare,
The art of difference finds its air.

Medha Bisht
X-C

"The more that you read, the more things you will know. The more that you learn, the more places you'll go." — Dr. Seuss

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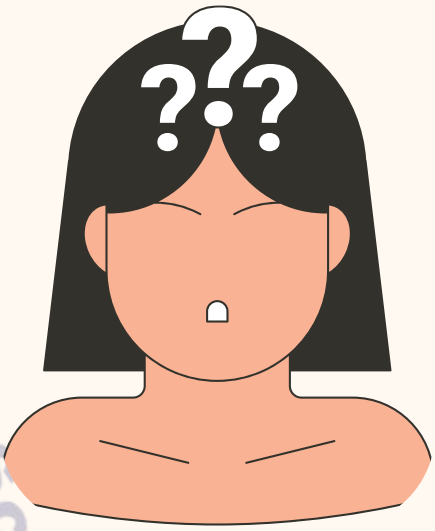
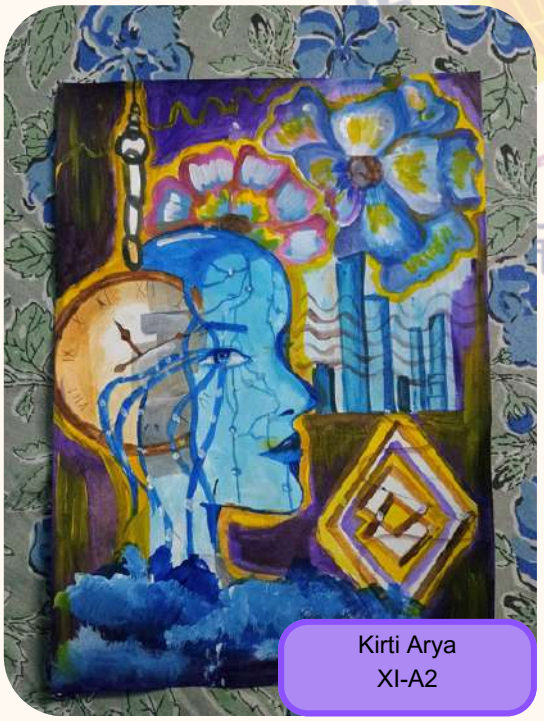
Poetic Pulse

Mamya
IX-A

Embracing the Unusual

Minds afresh, with new eyes see,
Beyond the norms, wild thoughts be free,
In unexpected places, beauty lies,
Embrace the unusual, and surprise,
With every step, a new path's made
Through unconventional thoughts, innovation's played,
Break the mold, let creativity soar
In the art of thinking differently, we explore.





Kirti Arya
XI-A2

Perspective

We all have a different way to think,
And in every mind, a unique light shines.
Some think that life is bright,
While others see shadows that guide their way.
Together, these lights make the world shine bright.
As we mix our thoughts and dreams,
We bring together many different views.
With every idea that joins the mix,
We build a world where all things fit.
Every view adds something new,
Creating a world where all can grow.
In our own way, we find our place,
Each one adding its own special space

Kritika Kala
IX-A

"The more that you read, the more things you will know. The more that you learn, the more places you'll go." – Dr. Seuss

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Perspectives Unplugged

Fresh Take & Bold Notions

Treatises

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Unlocking Teenagers' Creative Potential

Aashi Goyal
IX-D

Innovation and creativity are vital for progress, yet today's education system often stifles these qualities in teenagers. Traditional schooling relies heavily on textbooks and standardized curricula, which promote rote memorization and limit opportunities for creative thinking. This approach prioritizes "right" answers over exploration, leaving little room for innovation.

Adolescence is a crucial time for intellectual and emotional development. Teenagers are naturally curious, questioning the world and brimming with ideas that challenge the status quo. Unfortunately, their thoughts are often dismissed as naïve, leading many to suppress their creativity and conform to the expectations of the education system.

However, this extraordinary thinking should be celebrated. When given the freedom to explore, teenagers can generate innovative ideas that address pressing global issues like climate change and social justice. For instance, one teenager developed a new recycling method that significantly reduces environmental impact. Many successful tech startups originated from ideas sketched by young minds eager to innovate.

Aashi Goyal
IX-D

To unlock this potential, we must rethink education. Learning environments should encourage exploration, critical thinking, and creativity. Students need more autonomy to pursue their interests and develop their ideas, regardless of how unconventional they may seem. Recognizing and valuing their unique perspectives fosters a culture where their thoughts are respected and nurtured.

In conclusion, the minds of teenagers are rich with untapped potential. By moving away from rigid, textbook-centric approaches and embracing innovative thinking, we can empower the next generation to become the problem-solvers of tomorrow. Let's allow their imaginations to flourish—within them lies the future we have yet to envision.

Bharvi Nand
XI-A1

"Discipline is choosing between what you want now and what you want most." – Abraham Lincoln

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Unconventional Wisdom

Kanakpriya Sutar
X-B

Bhavya Bhatnagar
X-B

One of the most critical aspects of unconventional wisdom is the power to question. It's easy to accept things as they are, but innovation begins when we ask "why" or "why not." This kind of questioning leads to exploration and discovery, opening doors to new possibilities and allowing us to see potential where others see obstacles. Steve Jobs, the co-founder of Apple, often emphasised the importance of thinking differently. He challenged his team to question every aspect of the design and functionality of products, leading to the creation of the iPhone, a device that redefined communication, entertainment, and work. Jobs' unconventional wisdom wasn't just about making a better phone; it was about reimagining what a phone could be. Embracing failure is another essential part of the innovation process. Traditional thinking often views failure as a setback, but those who follow unconventional wisdom see it as a learning opportunity, a necessary step towards eventual success. Thomas Edison, one of history's greatest inventors, famously said, "I have not failed. I've just found 10,000 ways that won't work." His perspective on failure enabled him to persist until he eventually created the electric light bulb, an invention that changed the world. Innovation thrives in diverse environments where different perspectives can collide and combine in new ways. Unconventional wisdom recognises the value of diversity—not just in terms of ethnicity or gender, but in thought, experience, and approach. Organisations that embrace diversity and encourage unconventional thinking often find themselves at the forefront of innovation, creating cultures where it's acceptable to challenge the norm, take risks, and think outside the box. This environment fosters the kind of creative thinking that leads to breakthroughs.

Samaira Rastogi
X-D

"The price of excellence is discipline. The cost of mediocrity is disappointment." – William Arthur Ward

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Excitement in Thoughtful Space

Space & Why It Excites Me?

Space, the vast and enigmatic expanse that stretches beyond our planet, has been a subject of human fascination. Space & Astronomy is subject full of mysteries and discovery. Space exploration has led to great advancements, from the Moon landing, Mars Landing, Discovery of water on moon, Research on Sun & Solar System to the study of distant galaxies, revealing the universe's vastness and our place within it. Despite its challenges, exploring space is an enduring desire to explore the unknown and expand the human potential. Space exploration led to satellite communications, GPS technology which has led to advancements in communications and mapping of land & water etc. In a nutshell Space Exploration is a subject of wide research & has and will lead to advancements in our civilisation and will continue to a topic of attention.

Om Bhardwaj
XI-B

The Skill of Thinking

In today's conventional thinking landscape, the ability to think outside the box is crucial for innovation and growth. "Mindscapes: The Art of Thinking" emphasizes the importance of shifting our mindset to foster new ideas and solutions. This involves questioning norms, embracing curiosity, and creating an environment for ideas to flourish.

- Curiosity and deep questioning lead to fresh perspectives and innovative solutions, exemplified by Steve Jobs' impact on personal technology.
- Embracing diverse viewpoints can enhance creativity and lead to breakthroughs through collaboration across various fields.
- A mindset focused on experimentation and adaptation refines ideas, promoting personal growth and uncovering new opportunities.
- Ultimately, unconventional thinking not only benefits individuals but also addresses global challenges, driving meaningful societal change.

Adopting this approach is essential for navigating an evolving world and achieving significant breakthroughs.

Faraz Zehra
XII-B

"We must all suffer one of two things: the pain of discipline or the pain of regret." – Jim Rohn

Necessity is the mother of all inventions

As goes by the famous quote, “ Necessity is the mother of all inventions”. From the invention of the wheel to the development of artificial intelligence, innovation has shaped our world in profound ways. Humans have never stopped evolving and neither have their innovations nor their ability to deal with different situations and challenges with a unique solution.

History has been the greatest evidence proving how humans have used their wisdom and presented us with the greatest inventions of all times. When Hedy Lamar invented WiFi, Thomas Edison invented the light bulb, Galileo Galilei invented the telescope and even the person who produced an eraser for the first time, all of them used the human intellect to its best. They have set excellent examples for the present time, where the environment is constantly changing, rather deteriorating because of destructive human actions, the need of the hour is INNOVATION. Businesses, governments and other institutions are persistently striving for finding alternatives that could promote sustainable development while also solving the purpose in the best possible manner. Who would've ever thought that coal waste could be turned into paint, algae would be used to make flip-flops and mango to make vegan leather? Sapiens and their ability to revolutionize does it all.

The day humans sabotage evolving, is the day we stop growing for better. Ultimately, innovation is a reflection of our ability to think critically, adapt to change, and embrace the unknown. By fostering a culture of innovation, we can unlock the full potential of our human ingenuity and build a brighter future for generations to come.

Navyya Bansal
XII-C

Unconventional Wisdom

Kenisha Sarkar
XII-B

Tanishka Tiwari
IX-D

Technological innovations today face similar challenges and opportunities as those in the past. For instance, the rise of digital technology and artificial intelligence (AI) is reshaping industries and altering the nature of work. The transition from traditional manufacturing to automated processes has led to both job displacement and the creation of new professions that require advanced skills. Additionally, access to information through the internet has democratized knowledge, enabling individuals worldwide to engage in social movements and advocate for change. However, this rapid pace of change also presents issues such as digital divides, where certain populations lack the resources to benefit from these advancements. Addressing these disparities is crucial for ensuring that technological progress leads to equitable societal development, just as historical innovations redefined social frameworks.

To tackle these interconnected issues, innovative solutions must prioritize collaboration among technology, policy reforms, and community engagement. Technological advancements, such as renewable energy sources and efficient water management systems, can significantly mitigate the impacts of climate change on vulnerable populations. Policy reforms that focus on equitable resource distribution are essential for ensuring that public health initiatives receive adequate funding, particularly in underserved areas. Moreover, fostering community engagement empowers local populations to advocate for their needs and participate actively in decision-making processes. By combining technological innovation with inclusive policies and grassroots involvement, society can build resilience against the adverse effects of climate change while simultaneously addressing health disparities and economic inequalities. This multifaceted strategy will not only support recovery efforts but also promote long-term sustainability and equity in health outcomes.

Shreya Singh
XI-A1

"Hard work beats talent when talent doesn't work hard." – Tim Notke

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The Transition To A New Era

Anant Garg
IX-A

Innovation is no longer confined to incremental improvements or slight modifications to existing ideas. Today, it represents a fundamental shift in how we approach challenges and opportunities, pushing the boundaries of conventional thinking and paving the way for groundbreaking advancements.

In the field of biotechnology, innovations are being developed that go beyond traditional approaches to medicine and agriculture. Gene editing technologies like CRISPR are enabling scientists to alter DNA with unprecedented precision, opening up possibilities for curing genetic diseases and enhancing crop resistance. This represents a shift from treating symptoms to addressing root causes, fundamentally changing our approach to health and food security.

In the realm of transportation, the development of autonomous vehicles is challenging our traditional concepts of mobility. By leveraging advanced sensors, machine learning, and real-time data analysis, self-driving cars promise to reduce accidents, improve traffic flow, and offer new transportation solutions for people with disabilities. This innovation goes beyond the simple idea of improving car design; it reimagines the very nature of transportation.

The rise of the Internet of Things (IoT) is another example of innovation beyond thinking. By connecting everyday objects to the internet, IoT creates an interconnected network that allows for seamless communication and automation. This technology is transforming industries from manufacturing to healthcare, enabling smart cities and homes, and creating new ways for us to interact with our environment.

Innovations that go beyond thinking are not just about new ideas; they are about changing paradigms. They invite us to think differently, challenge existing assumptions, and envision a future that is radically different from the present. These innovations are the driving force behind the next wave of human progress, promising to reshape our world in ways we have yet to fully imagine.

Sujal Mishra
XI-A2

"Striving for success without hard work is like trying to harvest where you haven't planted." – David Bly

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अलग सोचने की कला

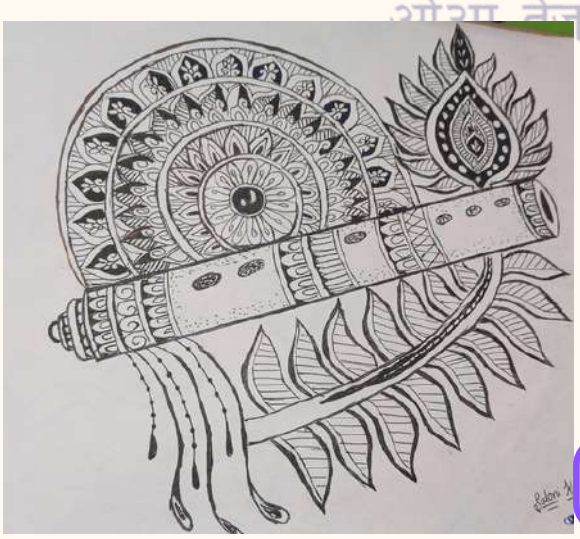
Prachi Gupta
XII-C

यह उद्धरण स्पष्ट करता है कि हमारे विचारों में वह शक्ति है, जो पूरे विश्व को बदल सकती है। आज के समय में, जब हम कई जटिल चुनौतियों का सामना कर रहे हैं, हमें इनसे निपटने के लिए नई सोच और रचनात्मकता की आवश्यकता है। जब भी किसी व्यक्ति ने परंपरागत सोच से अलग हटकर सोचा, तो उसने दुनिया को बदलने वाली खोजों और आविष्कारों को जन्म दिया। आइंस्टीन, गांधी, और स्टीव जॉब्स जैसे व्यक्तियों ने अपनी अनोखी सोच से समाज पर गहरा प्रभाव डाला।

अलग सोचने की कला, जिसे हम 'माइंडस्केप्स' कह सकते हैं, केवल सोचने के तरीकों को बदलने तक सीमित नहीं है। यह एक व्यापक दृष्टिकोण है, जहां हम समस्या को नए नजरिए से देखते हैं, और संभावनाओं के नए द्वार खोलते हैं। एक साधारण दृष्टांत लें: जब थॉमस एडिसन ने बल्ब का आविष्कार किया, तब उन्होंने इसे केवल प्रकाश देने वाले उपकरण के रूप में नहीं देखा, बल्कि एक ऐसी वस्तु के रूप में देखा जो पूरी दुनिया को रोशन कर सकती है। यह अलग सोचने का एक जीवंत उदाहरण है।

आज के समय में, जब जलवायु परिवर्तन, गरीबी, और सामाजिक असमानता जैसी चुनौतियाँ हमारे सामने हैं, तो हमें सोचने के नए तरीके अपनाने होंगे। हमें पारंपरिक दृष्टिकोण से हटकर नई दृष्टियों और समाधान की ओर बढ़ना होगा। इसमें शामिल हो सकता है: टेक्नोलॉजी का उपयोग करके गरीबी को कम करना, ऊर्जा के स्थायी स्रोतों को विकसित करना, और शिक्षा को सभी के लिए सुलभ बनाना।

अलग सोचने की इस यात्रा में, हमें अपने भीतर की आवाज़ को सुनना होगा और उन विचारों को स्वीकार करना होगा जो हमें नए और अप्रत्याशित रास्तों पर ले जाएँ। जब हम माइंडस्केप्स को अपनाते हैं, तो हम न केवल अपने जीवन को, बल्कि पूरी दुनिया को बदलने की क्षमता रखते हैं। यही वह कला है जो हमें भविष्य की चुनौतियों का सामना करने में सक्षम बनाएगी।



Saloni
X-B

वैष्णवी राय
IX-C

"विचार ही संसार की सबसे बड़ी शक्ति है।" – स्वामी विवेकानंद

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Rallian Innovision

Pioneering Tomorrow's Solutions, Today

ISSUE NO. 2

Oobletech Sheets
A Sustainable Drive

How can we use technology to assist the building industries like robotics, armor , packaging, furniture in becoming more environmentally sustainable? Thes industries currently involve the use of non biodegradable materials like plastic. Presenting “Oobletech Sheets”which combine the unique properties of silicon and oobleck.
“Oobletech – where science meetsprotection.

What is oobleck?

Oobleck is a non-Newtonian fluid that has properties of both solids and liquids. It’s made by mixing cornstarch and water, and the starch grains remain suspended in the water instead of dissolving. Oobleck’s viscosity changes based on the force applied to it, and it can act like a solid or a liquid depending on how it’s moved: if you poke it with your finger and apply a large force, it becomes very viscous and stays in place. If you gently pour it, applying little force, it will flow like water.

How are these sheets formed?

To prepare oobleck-filled silicon sheets using a vacuum press, first mix cornstarch and water to create oobleck and cure silicon rubber into 0.5 mm thick sheets. Once cured, spread a layer of oobleck between two silicon sheets. Place the layered assembly in the vacuum press, which will apply pressure to compres the sheets . The vacuum press also cuts the sheets to the desired size. The result is a set of silicon sheets with a uniform oobleck layer in between, benefiting from the combined properties of both materials

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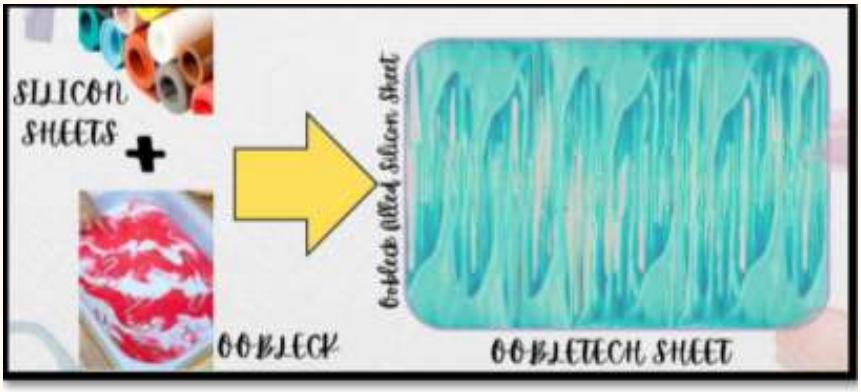
Oobletech Sheets
A Sustainable Drive



What are the unique features?

- Durability and flexibility
- Lightweight
- Biodegradable and non toxic
- Visco elastic properties
- Heat resistant
- Cost effective

CONCLUSION

In conclusion, incorporating Oobleck-filled silicone sheets presents a promising approach to advancing sustainability, protection, and feasibility in various applications. The unique properties of Oobleck, a non-Newtonian fluid, combined with the durability and flexibility of silicone, offer a robust solution for impact protection and shock absorption. This innovation not only enhances safety by adapting to varying forces but also supports sustainability through the potential for recycling and the reduction of material waste.

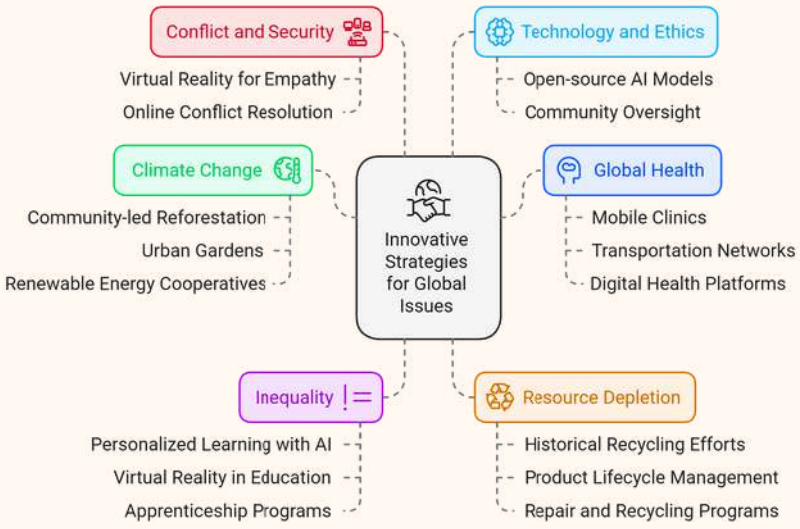
Somya Rastogi
XII-C

Solutions to Global Challenges

Addressing the world's pressing issues requires bold, innovative thinking. Drawing from personal experiences and historical examples, I propose new strategies for effective and sustainable solutions.

Climate Change: My involvement in a community-led reforestation project highlighted the power of local action. By empowering communities to lead green initiatives like urban gardens and renewable energy cooperatives, we can drive grassroots change and build climate resilience.

Global Health: The success of the smallpox eradication campaign suggests an integrated health model. Combining mobile clinics with transportation networks can enhance access to remote areas, while digital platforms manage real-time health data, improving disease response and preventive care.



Inequality: The impact of Brown v. Board of Education shows the power of equitable education. Personalized learning through AI and virtual reality, alongside business partnerships for apprenticeship programs, can bridge the gap between education and employment.

Resource Depletion: Historical recycling efforts during wartime inspire the circular economy model, emphasizing product lifecycle management. Companies like Patagonia set precedents with repair and recycling programs that could expand to industry-wide sustainability standards.

Conflict and Security: Just as communication helped end the Cold War, technology can foster peace today. Virtual reality experiences and online conflict resolution platforms can promote empathy and constructive dialogue.

Technology and Ethics: Transparent AI development can be achieved through open-source models, allowing community oversight to ensure technology serves the public good.

By embracing these innovative perspectives, we can create a more resilient, equitable, and sustainable future.

Kritika Chaurasia
XII-A2

"Small disciplines repeated with consistency every day lead to great achievements gained slowly over time." — John C. Maxwell

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Green Energy , Bright Future

In today's world, one of the biggest challenges we face is climate change. As the planet warms, we see more extreme weather, rising sea levels, and threats to wildlife. We must explore innovative solutions for this and one of the most promising is renewable energy. Unlike fossil fuels, which pollute the environment and contribute to climate change, renewable energy sources like solar, wind, and hydroelectric power are clean and sustainable. Using solar panels to capture sunlight and convert it into electricity is a great way to utilize the sun's energy. This energy is available almost everywhere, making it an ideal solution for many communities, especially those in remote areas without reliable power.

Bhumika
XII-A2

Wind energy is another effective solution. Wind turbines can be installed on land , generating electricity without emitting harmful gases. Countries like Denmark, China, Germany and Brazil have made significant investments in wind power, leading the way for a greener future. We can use hydroelectric power, which generates electricity by utilizing the flow of water. Dams built on rivers can create reservoirs that produce energy as water flows through turbines. This method not only provides electricity but also helps with irrigation and water supply. Transition to renewable energy can also boost the economy. From manufacturing solar panels to installing wind turbines, there are many opportunities for workers.

Furthermore, renewable energy sources are becoming increasingly affordable. Renewable energy offers innovative solutions to some of the world's challenges. By investing in clean energy, we can create a sustainable future that benefits both people and the planet.

Kavya Chaudhary
IX-A

"Self-discipline is the magic power that makes you virtually unstoppable." – Dan Kennedy

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Cyber Crime Mindscape Solution

Tackling Cyber Crime

As our world becomes increasingly digital, the threat of cyber crime grows, affecting individuals, businesses, and governments. To effectively combat this threat, a combination of robust cybersecurity measures, education, and strong legal frameworks is essential. Implementing advanced security technologies, such as firewalls, encryption, and multi-factor authentication, is crucial in protecting networks from cyber attacks. Regular software updates also play a vital role in patching vulnerabilities that hackers might exploit. Alongside technology, educating the public and employees about cyber threats, such as phishing and social engineering, can significantly reduce the risk of successful attacks. Governments must enforce stringent cyber laws and collaborate internationally to address the borderless nature of cyber crime. Businesses and organizations should foster a culture of cybersecurity through regular training, risk assessments, and well-prepared incident response plans. Innovation in cybersecurity, including advancements in artificial intelligence and blockchain, is also critical to staying ahead of evolving threats. By adopting these strategies, we can better protect our digital world from the ever-growing dangers of cyber crime.

Ishita Sharma
X-C

Mindscapes

'Mindscapes: The Art of Thinking Differently' doesn't require much explanation—it's about stepping outside usual patterns and seeing things from a fresh perspective. This concept explores how innovative thinking can reshape our understanding and approach to problem-solving. The term "mindscapes" refers to the mental landscapes we traverse when engaging in creative and unconventional thought processes. Thinking differently involves breaking free from traditional patterns and embracing a mindset that values originality and curiosity. By challenging our usual assumptions and considering new perspectives, "Mindscapes" demonstrates how creativity can lead to groundbreaking ideas and personal development. It highlights that by shifting our mental outlook, we can discover innovative solutions and opportunities that were previously hidden. This process of thinking differently opens up possibilities we might not have noticed before, leading to exciting discoveries and growth. In conclusion, 'Mindscapes: The Art of Thinking Differently' illustrates the profound impact that breaking away from conventional thinking can have on problem-solving and innovation. By exploring new mental landscapes and questioning established norms, the book shows how creativity and fresh perspectives can drive significant breakthroughs and personal growth. It encourages us to adopt a mindset open to unconventional ideas, allowing us to uncover unique opportunities and achieve exceptional outcomes.

Kamakshi Kar
XI-A1

"Discipline is doing what needs to be done, even if you don't want to do it." – Unknown

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Obstructions To The Scientific World

Humanity won't yield its best fruits by confining the pacific nature of science to laboratories. It must be released into the schools, to the homes where the young mind resides and leaps. True nature of science lies in thought, and pure deep wonder that evokes the inner conscious spirit. Truth is something that need not any support. It blooms out, just at the right time, doing just to its preachers. Science does just that. As Einstein once famously said, 'I have no special talents. I am only passionately curious.' But sometimes, the door is shut flat at the face of these great thinkers. The reason? Games of politics.

Oftentimes, politicians make great promises to the public to come in power. Truth be told, most of these are not fulfilled. On a similar note, during World War 1 and 2, scientists of both the Powers were tempted into great rewards, but later brutally suppressed and killed. Max Planck, had his life ripped apart and his son murdered by the Nazi regime. Ludwig Boltzmann, committed suicide in a fit of depression, just as his theories were winning out against long-term opposition.

All these and many other stories dictate the effect of political interference with the serene world of science and mathematics. The only way to fight corruption within our own system is encountering it with transparency. Each political and commercial process, must be made available to the public for interpretation and question. Even greater power to the judiciary, so that each party fears its irresponsible steps and maintains its "nobleness". The resistance against kleptocracy must sustain, or else we are doomed.

Furthermore, I hold of the view that if each curious child, each aspiring wonderer is given a chance and the governments around the world connect cooperatively, mankind is bound to thrive, leap into the vastness of space exploration and befriend the blue underneath.

Tanish Jinder
XI-A1

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Creative Healing in Water Purification

Revolutionizing Water Purification

In the quest to address global water scarcity, an innovative solution has emerged: the solar-powered water purifier. This technology harnesses solar energy to purify water, making it an eco-friendly and sustainable option for clean drinking water.

Traditional water purification methods often rely on electricity or chemical treatments, which can be expensive and environmentally taxing. The solar-powered purifier, however, uses solar panels to power a system that distills water through a series of processes, including evaporation and condensation. This not only reduces reliance on non-renewable energy sources but also significantly lowers operational costs.

One notable example is the Solar Water Purifier developed by researchers at the Massachusetts Institute of Technology (MIT). This device can produce clean drinking water from contaminated sources with high efficiency, even in remote areas lacking infrastructure. The design incorporates a solar thermal collector and a condensation chamber, optimizing energy use and maximizing purification.

The implications of this innovation are profound, especially for regions with abundant sunlight but limited access to clean water. By leveraging renewable energy and simplifying purification processes, solar-powered water purifiers represent a promising step towards addressing the global water crisis sustainably.

Sushant Veer Singh
IX-A

Healing Through Creativity

Art therapy offers a creative approach to emotional healing and mental well-being, allowing individuals to express and understand their feelings through art. In hospitals, it provides comfort to patients undergoing difficult treatments. For example, a child battling cancer might find relief through painting, which offers distraction from pain and a sense of control. Hospitals like the Children's Hospital of Philadelphia use art therapy to help young patients cope. In schools, art therapy helps students manage academic and social pressures. A high school student overwhelmed by exams might find calm through painting or sculpting, as seen at the Art Therapy Institute in North Carolina, which turns classrooms into spaces for emotional expression. Community centers and counseling practices also benefit from art therapy. For instance, someone grieving a loved one may find solace through art at organizations like the National Alliance on Mental Illness (NAMI), using creativity to process their emotions and heal. Art therapy merges creativity with emotional support, providing a powerful tool for healing and self-discovery. As one therapist notes, “Sometimes, the most profound conversations happen without words, but through the strokes of a brush and the lines of a pencil.”

Tanirika Saraf
IX-D

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Rallian Expression

Unfiltered learning: Think, Draw, Speak and Repeat

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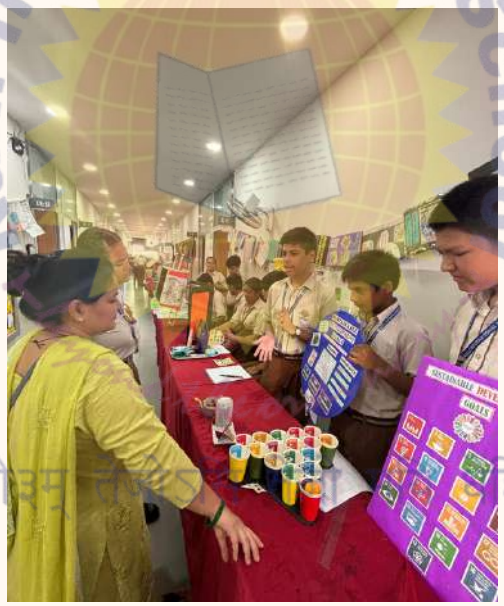

"Creativity is intelligence having fun." – Albert Einstein

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Rallian Canvas

Where creativity knows no bounds...

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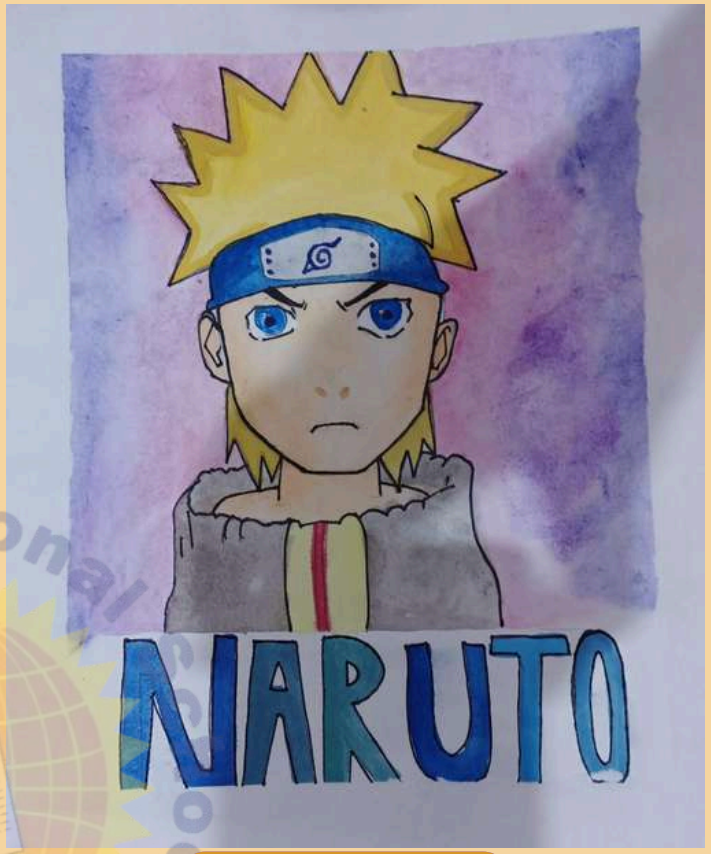
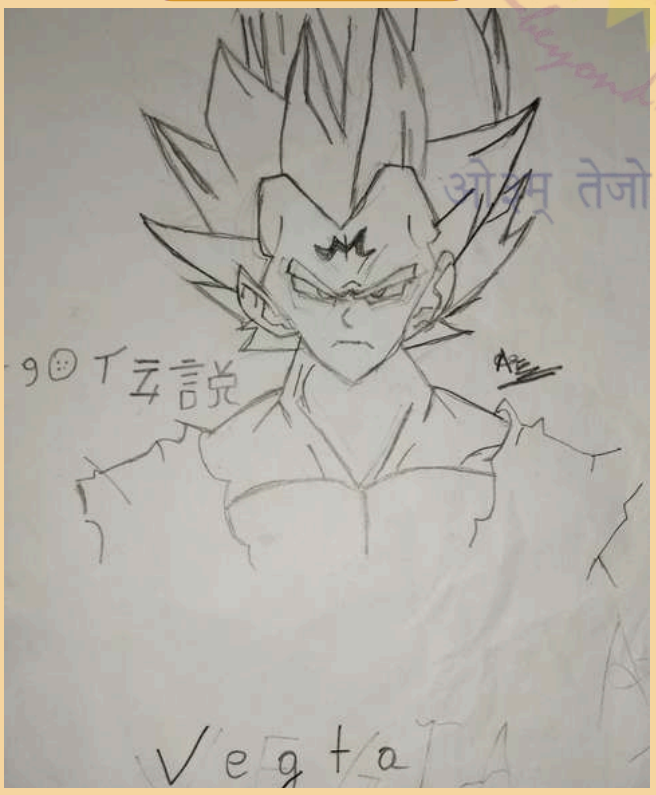
Advay Uday Singh
V-C

Diva Dubey
XI-A2



Anaye Bhilware
V-C



Mukesh Jhewar

"The artist who aims at perfection in everything achieves it in nothing." – Eugene Delacroix

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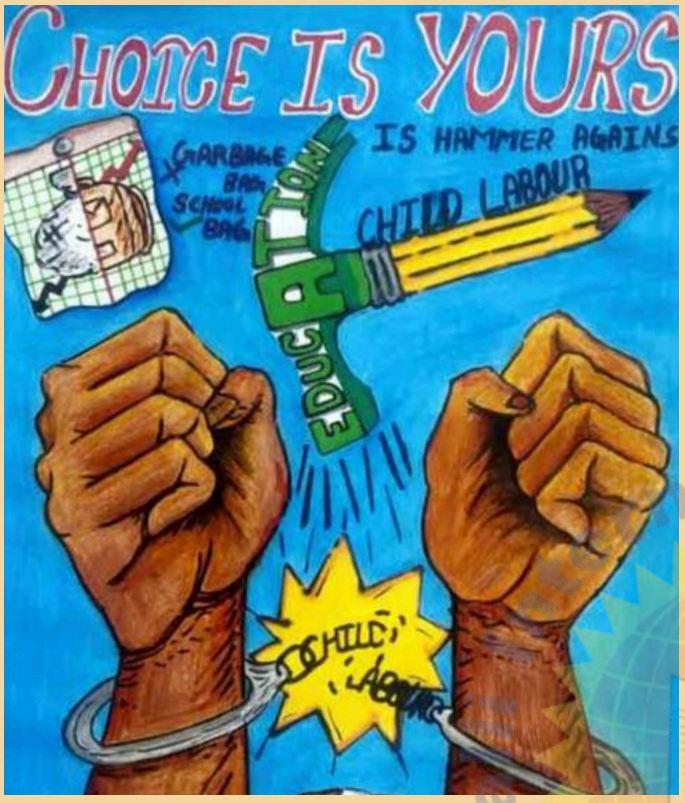
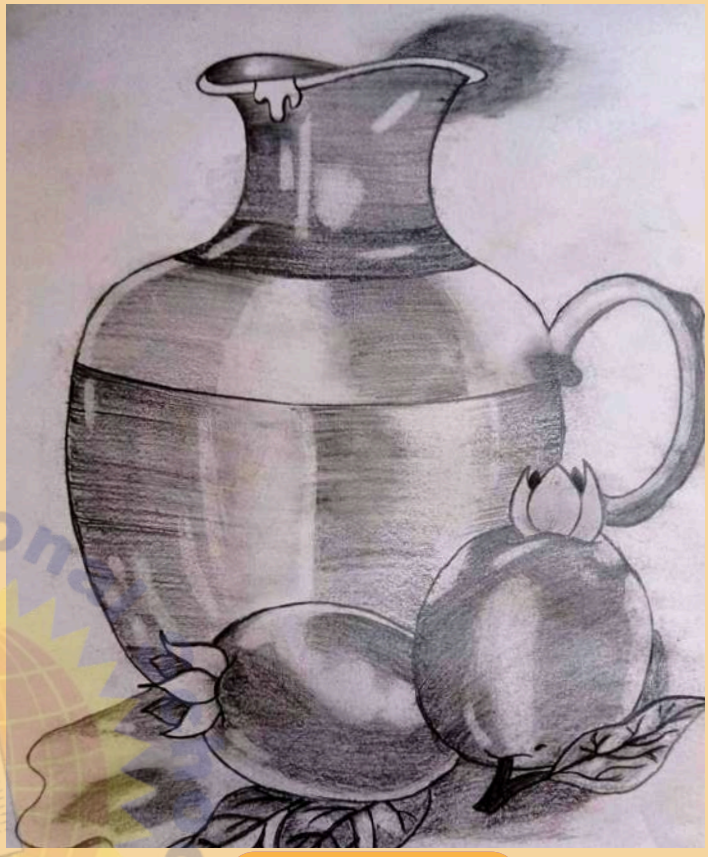
Peehu
VI-A



Bhumika
XII-A2



Anaye Bhilware
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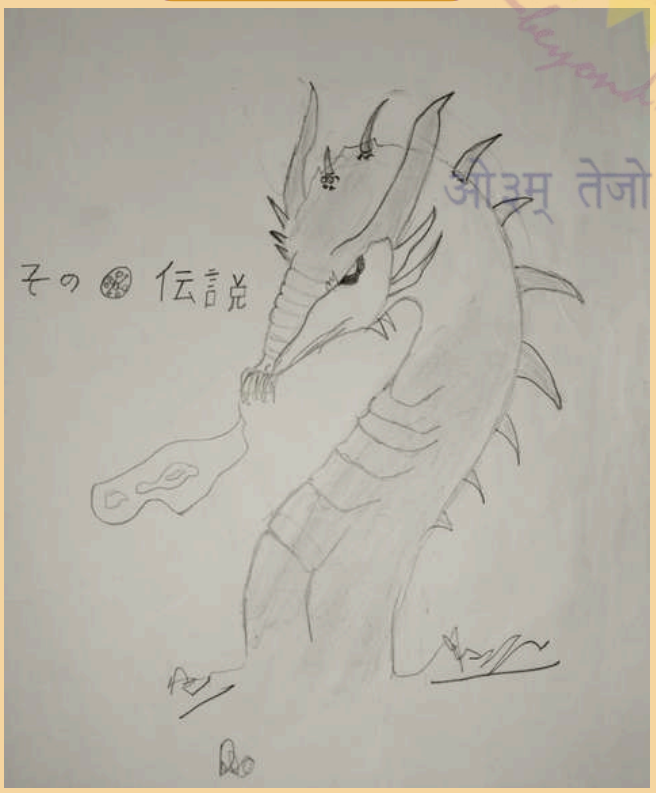
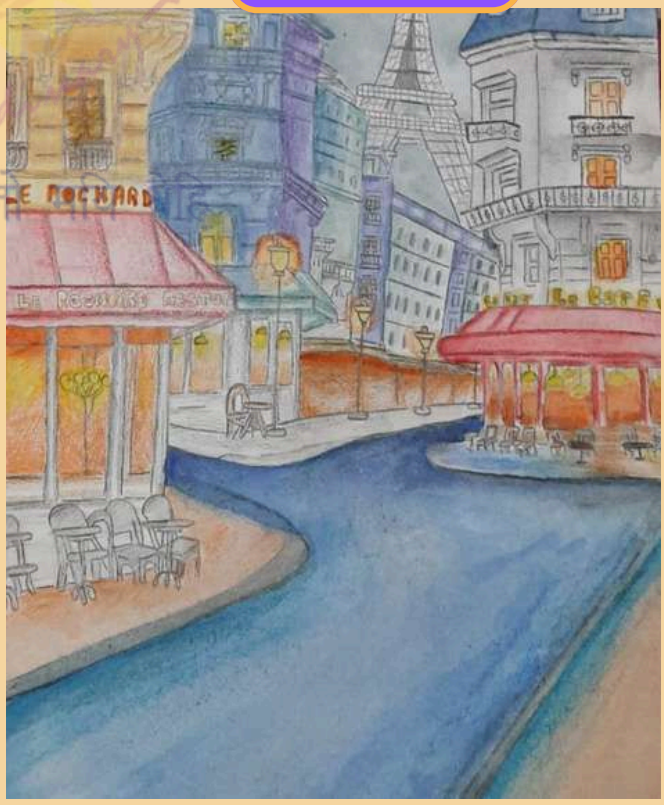


Tanishka Tiwari
IX-D



"Creativity is intelligence having fun." – Albert Einstein

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Rallian Journey

Voices from the Past!

Alumni Speak...

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Siya Bhardwaj

Siya Bhardwaj: A Journey of Excellence and Leadership

Siya Bhardwaj, a 2023 RIS alumna with 97.8% in Humanities with Mathematics, is pursuing a BA (Hons.) in Economics at Gargi College, Delhi University. As House Captain of Prerna House, she led her team to win the Best House Marching Trophy and served as Cultural Secretary. An accomplished participant in over 10 inter-school competitions, she has excelled in MUN, earning Best Delegate awards and mentoring aspiring delegates. Siya's ability to balance academics and leadership makes her an inspiring role model.

Maneet Gupta

Maneet Gupta: A Trailblazer in Innovation and Learning

Maneet Gupta, a standout from the Batch of 2023–24, graduated with 93.8% in the PCM stream and received the INSPIRE Award for his problem-solving skills. Known for his creativity and energy, he represented his school in various competitions. Currently pursuing a B.Tech in Computer Science and Engineering with a focus on Business Systems at Vellore Institute of Technology, Maneet has secured a startup internship, blending technical skills with entrepreneurial experience. His journey exemplifies curiosity and leadership, and we look forward to his success in technology and innovation.

In conversation with Siya Bhardwaj

1. **What is your fondest memory from your time at our school?**
My fondest memory is of the annual functions. I participated every year, enjoying the events and making memories with friends. Another unforgettable experience was our school trip to Jim Corbett, which was exhilarating and remains a highlight of my school days.

2. **How did your experience at the school shape your career path and personal development?**
School taught me multitasking and the importance of balancing studies with activities. Participating in events, competitions, and extracurriculars is key for holistic growth, while helping develop time management skills.

3. **Is there any advice you would give to current students about balancing academics and extracurriculars?**
Balancing extracurriculars and academics requires extra effort and time management. Prioritising, creating a schedule, and being disciplined help in standing out while handling both efficiently.

4. **How do you stay connected to your roots and give back to the school community?**
Since this institution shaped me, I'll always be available to mentor students or volunteer whenever needed, as a way to give back.

5. **If you could relive one day from your school years, which day would it be and why?**
If I could relive a moment, it would be a regular school day—going to classes, playing with friends, sharing lunch, and complaining about homework. Those days were simple but meaningful.

"The roots of education are bitter, but the fruit is sweet." — Aristotle

In conversation with Maneet Gupta

1.How do you stay updated with the latest developments in technology and business trends?
I stay informed by reading magazines, journals, and newsletters on technology and business. I follow leading companies like SpaceX and NASA for the latest in aeronautics and engage with blogs and channels like online platforms for diverse perspectives on emerging trends and innovations.

2. **Startups often require multitasking—how do you manage your time between academic responsibilities and the internship?**
I recently joined an early-stage startup, which has helped me manage my time effectively. I balance my academic responsibilities while learning about AI and other key concepts. Dedicating 2 to 3 hours daily to my internship allows me to network with youth leaders and industry professionals, enhancing my skills and teaching me how to prioritise tasks efficiently.

3.How did your time at RIS shape your interests in technology and business?
My time at RIS was crucial in shaping my interests. I participated in various competitions and tech events, which provided hands-on experience and exposure to innovation. Working on projects helped me apply theoretical concepts and deepened my understanding of both technology and its business aspects.

4. How did the foundation you built at school help you transition into college life at VIT, and what challenges should current students expect during this transition?
RIS equipped me with essential communication, debate, and presentation skills that eased my transition to VIT. Students should prepare for challenges like homesickness and missing friends.

"The roots of education are bitter, but the fruit is sweet." – Aristotle

In conversation with Maneet Gupta

I recommend the "2:2:2 rule"—spend 2 hours socialising weekly, go on 2 outings every two weeks, and have 2 meaningful conversations with family regularly. This approach helps maintain connections and provides emotional support during the transition.

5. How do you stay motivated when juggling college studies, internships, and personal goals?

Feeling demotivated is natural in college, whether due to exam results or a rough day. To stay motivated, I focus on my bigger goals and talk frequently with friends, who remind me why I chose CSE and moved thousands of kilometers to study. Curiosity drives me as an engineer, so when I feel down, I watch interesting videos and explore projects to reignite my passion for learning.

"You can take the student out of the school, but you can't take the school out of the student."

"An investment in knowledge pays the best interest." – Benjamin Franklin

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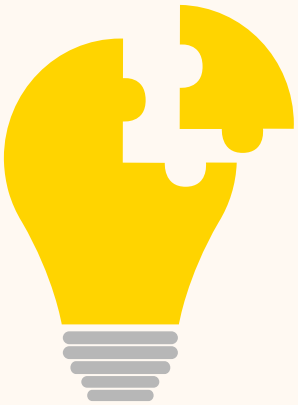

Rallian Challenge!

"Unlock Your Mind!"

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Puzzles & Games

The King's Riddle by Dhriti Mehta VIII-E

A king gives you 12 identical-looking coins. One of the coins is either heavier or lighter than the others, but you don't know which. You are given a balance scale and allowed to use it three times. How can you determine which coin is different and whether it is heavier or lighter?

Crossword Puzzle by Maulik Jain XI-A1

1. A state of being in which one achieves personal fulfillment and flourishing.
2. A condition where stimulation of one sensory pathway leads to automatic, involuntary experiences in a second sensory pathway.
3. A statement or situation that contradicts itself but may contain a latent truth.
4. Awareness or knowledge of something.
5. A figure of speech in which a word or phrase is applied to an object or action to which it is not literally applicable.
6. The occurrence of events by chance in a happy or beneficial way.
7. Something that deviates from what is standard, normal, or expected.
8. A moment of sudden revelation or insight.
9. A confusing and difficult problem or question.
10. The quality or state of being ridiculous or wildly unreasonable.
11. The most perfect or typical example of a quality or class.
12. The time at which something is most powerful or successful.
13. A self-evident truth that requires no proof.
14. A connection or series of connections linking two or more things.
15. The study of meaning in language.

A	D	C	I	G	P	M	E	T	A	P	H	O	R	U	I	S	P	S	N	J	R	X
Y	Z	O	V	H	G	R	H	S	U	R	Q	S	C	F	M	A	T	X	I	I	A	P
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H	R	I	A	M	O	B	U	T	M	W	E	T	D	S	U	M	B	M	O	S	E	R
P	X	Z	L	U	C	M	Y	I	W	Y	P	N	F	Z	T	S	S	G	T	M	H	D
I	P	A	B	P	R	Z	A	G	N	T	T	A	D	K	L	E	U	U	Z	K	T	N
P	O	N	O	O	X	Y	I	L	J	T	Z	M	B	I	B	G	R	Q	O	N	S	U
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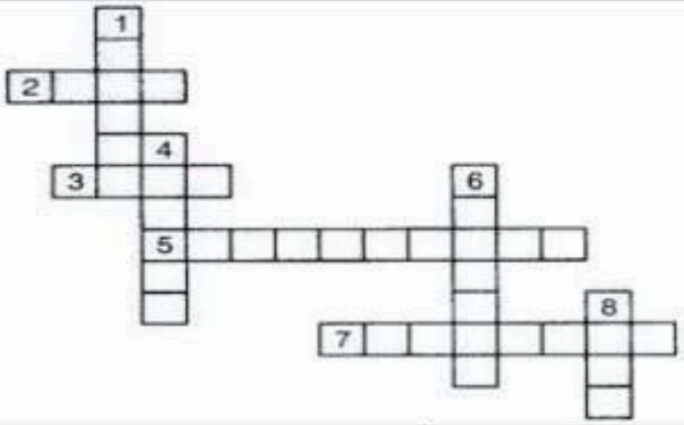
Puzzles & Games

The King's Riddle by Jashan IX-B



Across	Down
2. The element used by Rutherford during his alpha scattering experiment.	1. A white lustrous metal used for making ornaments and which tends to get tarnished black in the presence of moist air.
3. An element which forms rust on exposure to moist air.	4. Both brass and bronze are alloys of the element.
5. A very reactive non-metal stored under water.	6. The metal which exist in the liquid state at room temperature.
7. Zinc metal when treated with dilute hydrochloric acid produces a gas of this element which when tested with burning splinter produces a pop sound.	8. An element with symbol Pb.

Ralli International School
Beyond the ordinary
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Puzzles & Games

Solutions

The King's Riddle

Solution: Start by dividing the 12 coins into three groups of four coins each. Place two of these groups on opposite sides of the balance scale.

1. If the scale balances, the different coin is in the group that was not weighed.
2. If the scale does not balance, the different coin is in the heavier or lighter group.

Next, take the group of four coins that contains the different coin and divide it into three coins and one. Weigh two of these three coins against each other:

- If they balance, the coin that was not weighed is the different one. To find out whether it is heavier or lighter, compare it with any of the normal coins.
- If they do not balance, the different coin is the heavier or lighter one on the scale, revealing both its identity and whether it is heavier or lighter.

Crossword Puzzle

1. Eudaimonia
2. Synesthesia
3. Paradox
4. Cognizance
5. Metaphor
6. Serendipity
7. Anomaly
8. Epiphany
9. Conundrum
10. Absurdity
11. Quintessence
12. Zenith
13. Axiom
14. Nexus
15. Semantics

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Across:

2. Gold
3. Iron
5. Phosphorus
7. Hydrogen

Down:

1. Silver
4. Copper
6. Mercury
8. Lead

"Colors must fit together as pieces in a puzzle or cogs in a wheel."– Hans Hofmann

The "Thinking Outside the Box" theme serves as a reminder of the endless possibilities that arise when we embrace creativity and challenge the status quo. Thank you for being a part of this journey. Together, let's keep pushing the boundaries of imagination and fostering a culture of creativity that inspires and empowers us all.

Stay curious, stay innovative!

Thank You

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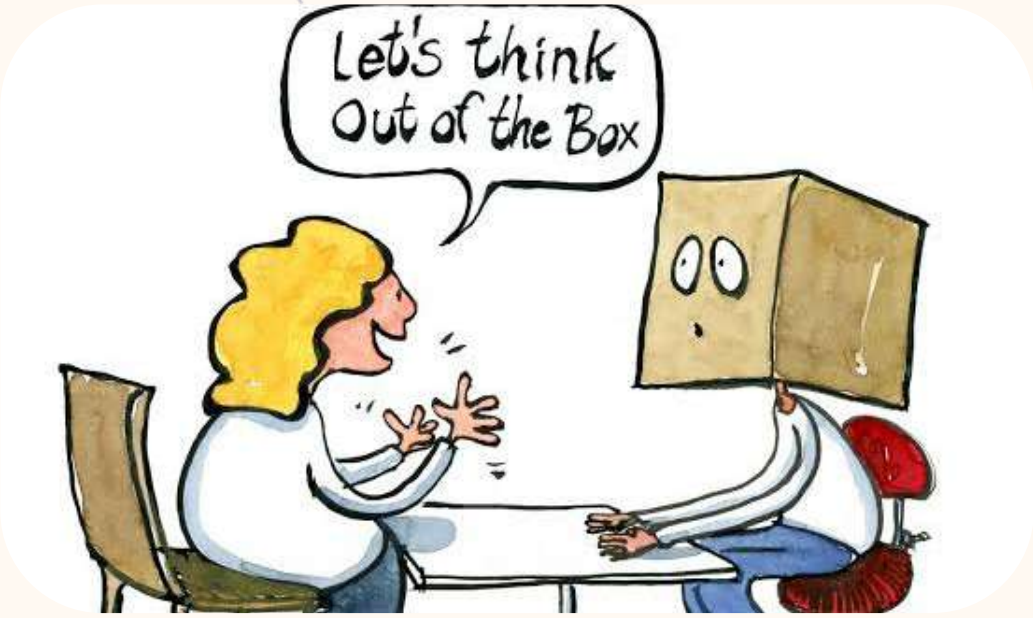

"An ending gives rise to a new beginning."