

THE EAGLES' BULLETIN

Indus International School Hyderabad | Issue #22, April 2023

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EDITOR'S NOTE**THE TEAM:**

Dear Readers,

It is with great pride that we present the final issue of The Eagle's Bulletin for this school year. All the issues that we've discussed reflect the international mindedness that our school values. It has been an honor to serve as one of your sources of information and receive feedback from so many of you.

As the school year comes to a close, I would like to thank our dedicated team of writers, and designers for their hard work and commitment to the Eagle's Bulletin. Without their continued effort and dedication, this would not have been possible. I would also like to express my gratitude to our readers for their support and feedback. Finally, I would like to thank Ms. Manju Ramachandran who has guided me throughout the year and helped me become a better Editor In Chief.

We hope that this newspaper has served as a platform to uplift student voices and discuss issues that reflect the open mindedness and creative vision that Indus values. Throughout the year, we have covered a wide range of topics and our goal has always been to inform, educate and entertain readers. The entire staff of Eagle's Bulletin hope that we have achieved this goal.

As we look ahead to the next school year, we will continue to focus on bringing quality content that reflects the values of the school and our student body. We look forward to presenting a diverse range of perspectives, subjects and experiences in the issues to come.

We wish everyone a wonderful summer break and a successful school year ahead. Once again, thank you for your support, and we'll see everyone in the next school year.

Editor-In-Chief,

Sanjana Iyer

Staff Writers:

Anisha Sulthana
Katya Surapuraju
Pakkapon Pothisorn
Avaneesh Gondyala
Akshay Aribindi
Pranav Morisetty
Vedika Agarwal
Sathvik Gaddam
Manasvini Naren
Shreekaa Prabhuram
Sahanya Reddy
Avantika Rajan
Varunika Davuluri
Sharanya Reddy
Vrinda Agarwal
Neeraj Kona
Nitya Kashyap
Anika Bhupatiraju
Palak Sinha
Saanvi Manduva
ML Adrutha Yadav
Ishanvi Tupili
Srivalli Konakanchi
Praveenya Neelam

Staff Designers:

Rohan Gullapalli
Tejas Mandke
Dhanya Chowdary Arimilli
Varunika Davuluri

Chief Designer:

M. Lakshmi Adrutha Yadav

Editor:

Aarya Bajaj

Editor-In-Chief:

Sanjana Iyer

Mentor and Advisor:

Ms. Manju Ramachandran

DATA POINT



Top 15 Countries With The Highest Carbon Footprint

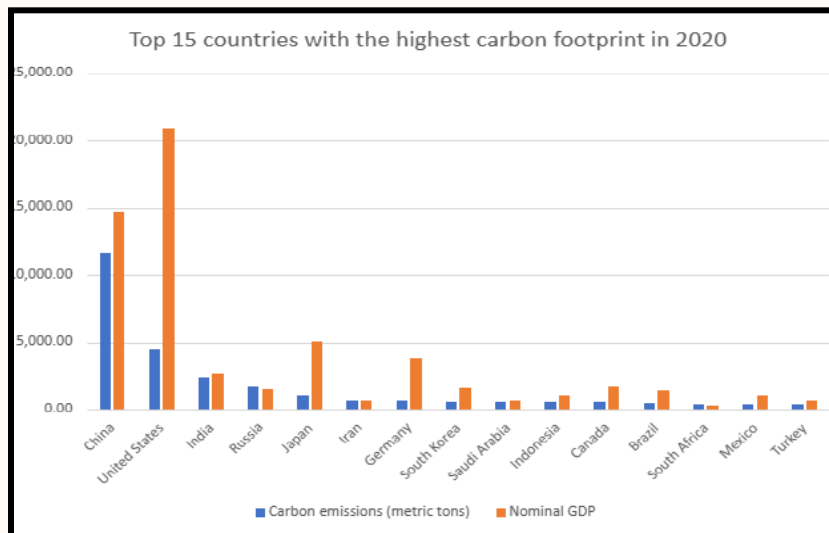
~Pakkapon Pothisorn and Katya Surapuraju, Grade 11

What is Carbon Footprint ?

The carbon footprint of a country represents the total volume of greenhouse gas resulting from everyday economic and human activity in that country. It is a very important measure of how these activities contribute to global warming.

Why does it matter?

As we all know, greenhouse gas is a gas that absorbs and emits thermal radiation, creating a “greenhouse effect” that traps heat near the Earth’s surface which ultimately warms our planet and contributes to climate change. An increase in greenhouse gas emissions will have a direct impact on global warming as well as accelerate climate change with disastrous effects on our planet.



This graph from data collected from the European Union's Joint Research Centre shows the carbon footprint of the top 15 countries with the highest carbon footprint in 2020 and compares the values of carbon emissions to the nominal GDP of a country. We can see a positive correlation between a country's carbon footprint and its nominal GDP. This is because economic growth and development often come with increased energy consumption, which in turn leads to higher greenhouse gas emissions.

As countries become wealthier, they tend to use more energy to power their industries,

transportation systems, and buildings, which can increase their carbon footprint. Additionally, as consumerism grows and people consume more goods and services, the production and transportation of these goods can also lead to increased emissions.

However, it's worth noting that the relationship between GDP and carbon footprint is not always straightforward and there are other factors which affect it such as population density. Some countries have been able to achieve economic growth while simultaneously reducing their greenhouse gas emissions through the use of renewable energy and other sustainable practices. Here we can see that the United States of America has a much higher nominal GDP compared to its carbon footprint. Additionally, some countries may have a relatively high GDP but a relatively low carbon footprint due to factors such as efficient use of resources, a strong focus on sustainable practices, or a low population density, this can be seen in Japan and Germany.





FEATURE ARTICLE

Life After School

~ Anisha Sulthana , Grade 11

Life after school is a significant transition in one's life. It marks the end of formal education and the beginning of a new journey filled with challenges, opportunities, and experience. As we recently witnessed, the Batch of 2023 bid their goodbyes. For the batches to come, whether we are transitioning to college, the workforce or other paths, life after school can be overwhelming.



With proper preparation and planning, students can navigate this journey with ease. The most crucial step is to define your goals for the future. What do you want to achieve? What are your interests, passions and fascinations? What type of career do you want to pursue? Once you have a clear vision of your goals, you can work towards achieving them.

We can also apply the concept of Ikigai, which translates to "a reason for being" or "a sense of purpose in life". According to the Ikigai principle,

one's reason for being is found at the intersection of four elements: Passion (What activities or hobbies bring you joy and fulfillment?), Mission (What is your purpose and what do you want to achieve?), Profession (What career or job aligns with your passions and missions?), and Vocation (How can you positively impact and contribute to society?).

Incorporating the ikigai principle into your life can help us identify your reason for living and live a fulfilling and purposeful life.

Preparing for life after school is about more than just your career or finances. Learning basic life skills such as cooking, cleaning, time management, and communication is also essential. These skills can help you navigate your personal and professional life with confidence.

Start with building skills and gaining experiences in your field of interest through internships where you can gain valuable experience, build your skills and make professional connections. You can also look for part-time jobs and personal projects that showcase the skills and creativity you have learnt throughout.

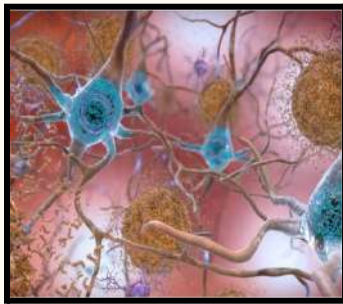
Lastly, becoming financially literate as a student is also imperative. It requires a proactive approach, including taking personal finance courses, reading personal finance books, attending financial literacy workshops, using budgeting tools, learning about investing, practicing good money habits, and seeking financial advice. By developing financial literacy skills, you can set yourself up for financial success and achieve your long-term financial goals. Preparing for life after school is a process that involves self-reflection, research, skill-building, networking, and financial planning. By taking proactive steps towards your goals and being open to new experiences, you can transition smoothly into the next phase of your life.



SCIENCE & TECHNOLOGY

Would Disrupting The Way Tau Proteins Copy Themselves Slow Alzheimer's Disease

~ Vrinda Agarwal, Grade 9



Alzheimer's disease is a neurological condition that worsens with time as it affects the brain's function, specifically a person's memory, thought and behavior. As time goes on, the patient may lose the ability to recognize their

loved ones and struggle with even the most basic tasks such as eating by themselves.

Tau proteins are one of the key factors involved in the progression of Alzheimer's. They can be found in neurons located in the brain and spinal cord. These proteins play a vital role in the functioning of the nervous system. Normally, tau proteins aid in stabilizing the internal structure of nerve cells, but in Alzheimer's disease, they behave abnormally and create tangles that cause the death of nerve cells. Alzheimer's disease has, at present, no known cure and treatment focus more on symptom management than on curing the underlying pathology.

In Alzheimer's disease, the genetic instructions for the tau protein are altered to produce slightly different forms of the protein through a process known as alternative splicing. In healthy cells, this process is closely controlled, but in Alzheimer's disease, it seems to go wrong, producing abnormal tau proteins.

By avoiding the production of abnormal tau proteins, we may be able to delay the course of Alzheimer's disease. Tau is only one of the elements contributing to Alzheimer's disease, therefore focusing only on these proteins may not be enough to successfully treat the condition. To create secure and efficient therapies, more study is required.

The Nintendo Switch V.S The Competition – How Does It Hold Up In 2023

~ Avaneesh Gondyalai , Grade 9

The Nintendo Switch has officially entered its sixth year in the console market as of this March. The Switch is nearing the end of its lifespan and will be replaced in a few years by Nintendo's next platform. So, how exactly does the Switch hold up against the competition at the end of its life?

Nintendo released its next generation of consoles (The Nintendo Switch) in 2017 to bring an end to poor sales of the previous model, the



Nintendo Wii U. Unfortunately, although the Switch introduced the revolutionary ability to play portably and on the big screen, it housed specs weaker than the 2013 eighth-generation consoles (Thanks to its mid-range 2015 Android tablet processor).

So, with the obvious lack of power against both generations, why is the Nintendo Switch currently the third-best-selling console of all time? The answer is quite simple, it's the first-party games! The Nintendo Switch features top-notch games from Nintendo IPs such as Mario, Zelda, and Pokemon tailor made for its console. Due to the exclusivity of these games to Nintendo consoles and the high brand recognition associated with these titles, people have flocked to buying this system to get their hands on the latest from Nintendo.

The Switch has proven to be a mighty competitor to both generations of consoles. This just goes to show how raw power doesn't automatically make a console inferior to its competition, it's the quality of the games which are the ultimate deciding factor





ECONOMICS & BUSINESS

The Impact Of Fintech On Traditional Banking

~ Vedika Agarwal, Grade 11



Financial technology, or fintech, has quickly become a disruptive force in the financial sector, upending the traditional banking business and status quo. Fintech is the use of technology to improve and streamline financial services, such as lending, investment, insurance and banking. Such enterprises use cutting-edge digital technologies like big data, blockchain, AI and mobile applications to give consumers and businesses new, simple-to-use financial products and services.

The rapid expansion of fintech has had a significant impact on the traditional banking industry, leading to increased competition and innovation. Fintech companies have disrupted the traditional banking

model by offering innovative and convenient financial products and services. This has forced traditional banks to adapt and integrate fintech solutions to remain competitive in the market. Creating a double-edged sword for the banking sector, the rise of fintech presents both opportunities and challenges for traditional banks. However, the immediate advantages of partnering with fintech companies, such as benefiting from their innovation and agility, have become increasingly apparent. As a result, competition between banks and new entrants may give way to direct cooperation across the fintech ecosystem, providing opportunities for partnership and innovation.

The impact of fintech on traditional banking can also be seen in changes in consumer behavior and expectations. As digitization changes customer expectations and behavior, lowers barriers to entry, and blurs industry lines, innovative technologies are becoming increasingly important. Recent surveys of US consumers have revealed shifting attitudes towards banks and fintech, particularly in response to the COVID-19 crisis. Consumers now expect more personalized and convenient financial services, and fintech companies have been successful in meeting these demands. Traditional banks must adapt to these changing expectations and offer innovative solutions to remain relevant in the market.

The need for traditional banks to adapt and integrate fintech solutions is evident in the increased efficiency and cost reductions that fintech can provide. Banks need to learn from the fintech revolution by structuring their organizations around how to provide flexible solutions to problems instead of siloed teams. It is crucial for traditional banks to embrace fintech and integrate it into their business models to remain competitive and relevant in the evolving financial landscape.



POLITICS



Breaking the Centralized Mold: The Impact of British Devolution

~ Shreekaa Prabhuram, Grade 10

The British devolution process, which has been underway since the late 1990s, has generated a great deal of discussion and controversy. While there are valid arguments for and against devolution, it is obvious that the process has had a considerable influence on the UK government.

The establishment of new institutions of government in Scotland, Wales, and Northern Ireland is one of the primary benefits of devolution. These areas currently have their own parliaments or assemblies, which have the authority to enact legislation on a variety of problems. This has resulted in more representation of regional interests and goals, as well as the ability for these areas to customize policies to local requirements.

However, there are some reservations regarding devolution. One complaint is that it has resulted in a more complicated and fragmented governance structure, with several tiers of government and overlapping tasks. This has made policy coordination across areas challenging, as has holding government officials responsible for their actions. There are also fears about the possibility of friction and conflict between the UK's many regions. This is especially true in Scotland, where there has been a significant movement for independence from the UK in recent years.



In the words of former Scottish First Minister, Alex Salmond, "Devolution is about giving people more control over their own lives. It's about empowering communities and opening up opportunities. It's about bringing decision-making closer to the people." This quote encapsulates the essence of the benefits of devolution in the UK, while also acknowledging the challenges that come with it. It highlights the importance of continuing to work towards a more decentralized and inclusive system of governance, where regional identities and interests are recognized and represented.

As the UK navigates the complexities of devolution, it is important to remember the ultimate goal of empowering communities and improving people's lives.





ENTERTAINMENT & POP CULTURE

The Rebirth Of Physical Media

~ Anika Bhupatiraju, Grade 7

In recent years, there has been a resurgence in physical media, including VCRs, DVDs, cassettes, and vinyl records. While the rise of digital streaming services has made it easier than ever to access movies, music, and TV shows, there are several reasons why physical media continues to hold appeal for many people.

One reason for the resurgence of physical media is nostalgia. Many people grew up with VCRs, cassette tapes, and record players, and the act of using these devices can evoke happy memories of childhood. For some, there is a certain pleasure in the tactile experience of handling



physical media, whether it's flipping through records or popping in a cassette tape.

Additionally, physical media can offer superior sound and picture quality compared to streaming. While streaming services compress video and audio to make them easier to transmit over the internet, physical media can offer a more faithful representation of the original recording.

There are also practical reasons for the resurgence of physical media. Some people prefer physical media because it doesn't require an internet connection or subscription to access, making it a more reliable choice for those who live in remote areas or who want to avoid paying monthly fees. Furthermore, physical media can offer a more permanent ownership experience compared to digital media,

In conclusion, while digital streaming services have become increasingly popular, physical media continues to hold a place in the hearts of many consumers as it provides a unique and valuable way to enjoy music, movies, and TV shows.

Coachella 2023

~ Avantika Rajan, Grade 11



Coachella, the globally renowned music and arts festival held annually in California's Coachella Valley, is a celebrated event that attracts music enthusiasts from all corners of the world. Boasting a diverse musical lineup that spans across genres such as indie rock, hip hop, and electronic

music, Coachella brings together a diverse range of musical talent from across the globe.

The festival also features remarkable art installations and a lively atmosphere, making it a bucket-list item for music lovers. Coachella has evolved into more than just a music festival, as it has become a popular platform for influencers and brands to showcase their latest products and styles. The event is a hub for showcasing the latest fashion trends and beauty looks, making it a must-attend for those in the industry. With its buzzing social scene and star-studded guest list, Coachella has become an event where influencers and brands can showcase themselves.

The Coachella 2023 lineup has music enthusiasts buzzing with anticipation, as it features a star-studded roster of global artists. One of the most exciting highlights of this year's lineup is the inclusion of Punjabi singer Diljit Dosanjh, who has made history by becoming the first-ever Punjabi singer to perform at the globally renowned music event. This is not only a significant moment for Dosanjh but also a historic moment for Indian music, as he is one of the first Indian artists to perform at the festival. Diljit Dosanjh's groundbreaking appearance at Coachella represents the festival's commitment to showcasing diverse musical styles and bridging cultures through music, cementing its place as one of the world's most iconic music festivals.



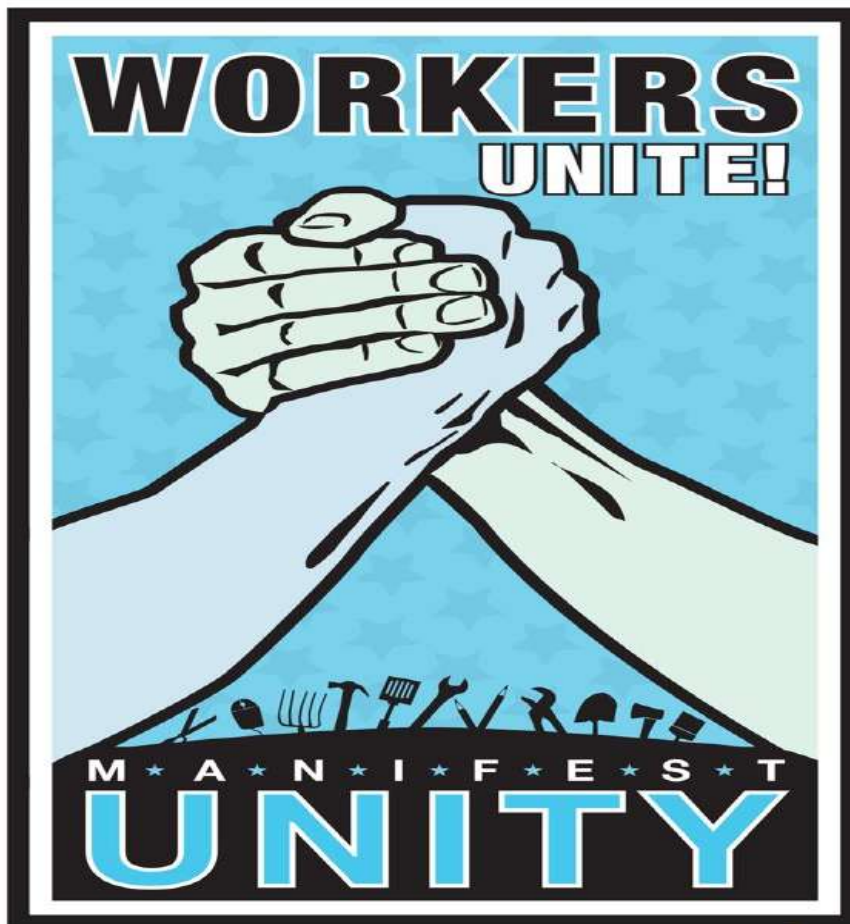


SERVICE & LEADERSHIP

Worker's United: A History Of Joining Forces

~ Akshay Aribindi , Grade 9

Have you ever heard of a labor union? Labor unions are associations of workers that are formed to protect and further their rights and interests. One of the most prominent labor unions today dates back to the 1900s. This union, known as Workers United, has successfully advocated for worker rights and workplace safety, and enacted laws that benefit all workers to this day. However, Workers United has gone through quite a history to become what it is today.



WORKERS' RIGHTS 

Workers United dates its origin from the establishment of the International Ladies Garment Workers Union (ILGWU) in 1900 and the creation of what became the Amalgamated Clothing and Textile Workers Union (ACTWU) in 1914. The ILGWU provided hundreds of thousands of clothing industry workers (mostly women) with education, healthcare, housing, and more. On the other hand, the ACTWU helped fund political campaigns and organized workers' voting power. The two unions merged in 1996 to become the Union of NeedleTrades, Industrial and Textile Employees (UNITE).

Eventually, UNITE consolidated with Hotel Employees and Restaurant Employees Union (HERE) to form UNITE HERE in 2004. UNITE HERE was primarily concerned with the well-being of workers in the hotel, food, laundry, warehouse, and casino gaming industries. However, many locals were displeased with the UNITE HERE merger. So, the two unions separated five years later and Workers

United was formed on March 24, 2009.

Ultimately, the prolonged and compelling history of Workers United has transformed it into what it is today, a union fighting for the voices of people, social and economic justice, and education.





HEALTH & LIFESTYLE

Exam Stress – What Can We Do About It

~ Nitya Kashyap , Grade 9

When exam week comes to light, it usually means sleepless nights, studying and trying to catch up on things you may have missed out on over the course of the past year. With this



academic year coming to an end very soon, it means that finals are right around the corner too.

Academic stress is an inevitable curse that comes hand in hand with

any kind of exam, whether it's important or not. In fact, it is one of the most common phenomena to occur within the school population.

However, this can become a bigger problem if not addressed soon enough. Taking a toll, not only a student's mental well-being, but physical well-being as well. Even though our studies are important, we need to take care of ourselves too, so managing time between looking after ourselves and preparing for our exams becomes extremely important during this time in the school year.

Some ways to overcome the stress and to maintain a balance between school and home life during this time would be to organize the day (set goals and calendars), take breaks every once in a while, step outside, exercise, eat healthy and not ever be afraid to reach out for help. Whether that help comes from family, friends or teachers at school, managing and slowly balancing out how one prepares for the exams can diminish the effect of exam stress.

In the end, even though exam stress is a normal problem when it comes to exams, understanding the root cause and slowly fixing the problem would benefit you as a student and help you be more mentally prepared for your finals as well.

From Mane To Mind – An Insight On How Hooves Have The Power To Heal

~ Ishanvi Tupili , Grade 9

When therapy is thought of, one may think of a session with a therapist or counselor. However, Equine-assisted therapy is pushing the limits of conventional therapy



and succeeding. Equine-assisted therapy involves working with horses in order to promote mental, physical, and emotional healing.

This method has been used for many years, but has become more popular over the past few years due to its numerous benefits. The therapy is greatly beneficial for those struggling with mental health conditions, developmental conditions, addiction, communication, and self-esteem. Apart from this, it has also been observed that Equine-assisted therapy has physical benefits like improved balance and coordination.

Equine-assisted therapy is not limited to those struggling mentally and physically, as the bond between horses and individuals based on mutual trust, is shown to have led to personal growth.

There are various different kinds of Equine therapy including equine-assisted psychotherapy, equine-assisted learning, and equine-facilitated wellness. Each kind of therapy has its own unique set of activities that comprise groundwork, grooming, horsemanship, and sometimes even riding.

Overall, the success of Equine assisted therapy in recent years, has proven that animals, even those with hooves, can heal.

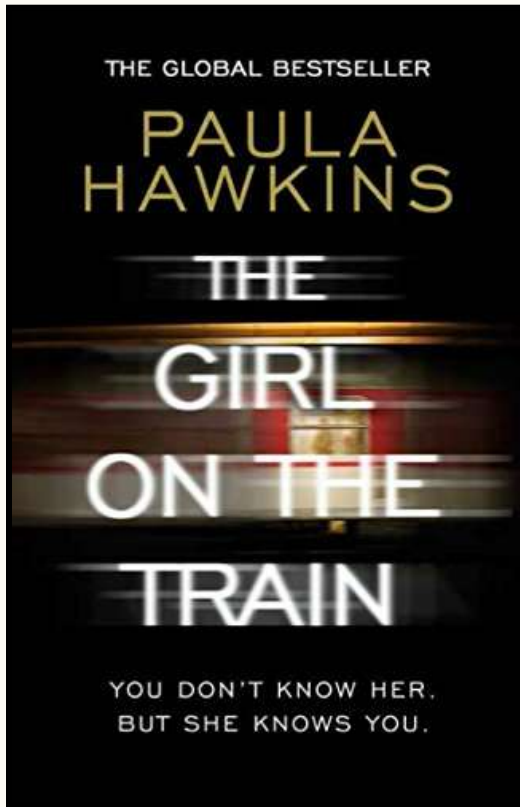




REVIEWS

The Girl On The Train

~Sharanya Reddy, Grade 10



"The Girl on the Train" by Paula Hawkins is a suspenseful psychological thriller that keeps the reader engaged until the very end. The book tells the story of Rachel, an alcoholic who commutes on the same train every day and becomes obsessed with a couple whose house she passes by. When the woman in the couple goes missing, Rachel finds herself entangled in the investigation and must confront her own demons.

Hawkins masterfully weaves together multiple perspectives, giving insight into the thoughts and motivations of the characters. The plot is filled with twists and turns that keep the reader guessing until the final reveal. The pacing is well-crafted, with tense moments interspersed with quieter, introspective scenes that build the characters' depth.

Hawkins' writing style is captivating, with each chapter ending on a cliffhanger that makes it impossible to put the book down. The characters are flawed and complex, and the exploration of their psyches adds depth to the story. The theme of identity and perception is prevalent throughout the book, as the characters struggle to distinguish reality from their own distorted perceptions.

The characters themselves are flawed and human, making them relatable despite their often questionable actions. Rachel, in particular, is a complex and sympathetic protagonist who struggles with addiction, loneliness, and self-doubt. The book explores themes of memory, perception, and the blurred lines between reality and illusion.

Overall, "The Girl on the Train" is a gripping and thought-provoking read that will appeal to fans of the thriller genre. Its well-crafted plot, strong characterization, and themes of addiction and memory make it a standout in the genre. Hawkins' skillful storytelling and attention to detail make this book a must-read for anyone who enjoys a good psychological thriller,



CREATIVE CORNER

Poems:

~ Curated By Praveenya Neelam, Grade 10

CELESTIAL WOMAN –Medha Koppula, Grade 8

Oh! Grabbing all my attention,
That celestial woman.
From a star kindled dimension
Beauty, sheer inhumane
Skin iridescent like the moon
Her aura seized the room.

SET OUR COURSE – Vedika Agarwal, Grade 11

Onward into the great unknown,
As we embark alone,
The journey of discipline is explored as we set our course
As freedom calls, into open seas
With a burning passion, we're set free
Sailing forth on the ignorance boat,
Rethinking our choices as change is afloat,
Courageous we must be, encouraging all, to seek and find,
Their aspirations, rooted within,
Engaging our spirit and aims to entwine
Consistency our companion,
Leadership is a role we take,
Giving advice, sound and special,
As the horizon stretches, our future is bright.

Artworks:

~ Curated By Praveenya Neelam, Grade 10



Title: WAR OF THE WILD

Artist: Saanvi D, Grade 8

Medium: Mixed Media

People all over the world kill wild animals, purely for the pleasure of wearing fur coats made out of their skin. Many animals lose their lives for “entertainment” purposes such as circuses, street performance etc.

Scientists are carrying out scientific experiments to test on animals which can be a potential risk to their lives, simply to provide a better result for humans. Many are also trying to create hybrids by capturing animals, which is shown in my artwork. I have shown how scientists merged a black wolf and a tiger which are on the brink of getting extinct.



IN OMNIA PARATUS

INDUS

INTERNATIONAL SCHOOL
HYDERABAD
