

School | Events | Interviews | Fun | Action & More

Volume 5 Issue 3



The Bell

Anticipated By Students

Editor's Note

"From unrealistic accolades to inspiring ideas"



As we wrap up another vibrant and extraordinary academic year at OOB, it is only befitting to revisit the journey worth remembering and dedicate this issue to a wonderful team that I had the privilege to be a part of. "You've got to be honest with yourself about where you're starting out"...I simply couldn't think of any other better suited for the editorial team of 'The Bell' - a team of enthusiastic and passionate individuals who were just a text or a call away. Sure, we had our commitments (sometimes a bit too many of them) and a ton of circumstances under which we were constantly working, but the newsletter always had a reserved place in our list of priorities. Each issue was equal to a prized experience and though we toiled putting it up, we did look forward to publishing the next...

After almost 10 months of working with each other, the journey that commenced in June 2020, we did realize that committing our time, efforts and inputs towards developing an E-magazine, unconsciously made everlasting memories... 'The Bell' will thus stand as a living record of those wonderful memories.

Have a great year ahead !



SHUBHANKAR GHOSH (12B)
Editor-in-Chief

THE BELL - VOLUME 5, ISSUE 3



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*Special Thanks
Department Of Art*

TABLE OF CONTENTS



01

RENDEZVOUS

An Inspiring interview with an exceptional student. We all are surely to learn something from Om Gupta

EVENTS EXTRAORDANIRE

The activities within a school redefine its learning atmosphere.

04



25

NO MEAN FEAT

Outstanding Achievements.
Motivating Determination.

MINDCEPTION

Thought Provoking, Dazzling
Ideas

41





Rendezvous

UP & CLOSE WITH OM GUPTA



QUESTION

You have been a role model for the brilliant students of our school both in terms of academics and co-curricular spheres. Who is your role model and how has the personality shaped your ideas and mindset?

ANSWER

To be honest, I feel I didn't really have a particular role model in mind while growing up. I believe the idea of having a role model isn't entirely healthy because it undermines our own originality. My philosophy in life is to try and adopt the positive traits I see in people all around me. It could be my parents, my friends, or even a celebrity. I just choose the qualities or traits I like in them and try to make them a part of my personality. But, if I have to name a person I highly admire, it would be Stephen Hawking. His books have had a really huge impact on me- they steered me towards Physics/Astrophysics.

Also, I think my positive approach towards all things helped me gain a laser-focused mindset that I feel was really necessary to help achieve my goals. It helped me become a better human being, both intellectually and socially.

QUESTION

Your academic competence and passion for science has recently borne fruit- What was your instant reaction when you got to know that you are accepted into a prestigious institution such as Oxford?

ANSWER

I actually let out a shriek of joy! Since the age of 14, I have also dreamt of studying Physics at a university as prestigious and well-renowned as Oxford-this was indeed a dream come true.

For a couple of days after receiving the offer, I was still in disbelief, but right now, I am just very glad that my efforts have paid off. I am looking forward to an exciting start in October this year.

UP & CLOSE WITH OM GUPTA



QUESTION

Your quizzing prowess is not unknown to anyone at OOB, given the fact that you have been awarded the title of 'Sastra Pratibha' for 3 consecutive years, what would be one crucial piece of advice you would like to give to our budding quizzers?

ANSWER

I feel that something that isn't acknowledged often enough is the fact that quizzing is a continuous process. You simply can't be adequately prepared for an upcoming quiz in 2 weeks. Read whatever you get your hands on - be it a quiz book, the newspaper, random websites on the internet - ***just read as much as you can.***

QUESTION

You have been able to qualify and represent UAE at prestigious competitions across the globe - what message would you like to pass on to your fellow OOBites that would help them excel in their desired fields?

ANSWER

Be extremely passionate in whatever you choose to do and don't be afraid of hard work.

"Genius has its place but beyond a point- it is Passion and Determination"

***"There is no prescribed route to follow to arrive at a new idea ...
Once you've made the intuitive leap you have to justify it by filling
in the intermediate steps..."***

- Stephen Hawking



*Events
Extraordinary*



Celebrating Our Home Away From Home

UAE National Day 2020



عاش أمتنا أمّنا

*"There is no glory without the glory
of the country and its citizens..."*

- H. H. Sheikh Zayed Bin Sultan Al Nahyan -

Our Flag, Our Pride!



OOB celebrated the UAE Flag day with great serenity and respect. At the stroke of 11 a.m., the Principal & CEO of OOB, Mr. Srivalsan Murugan hoisted the National Flag. This was closely followed by a plethora of activities organized to reiterate the unifying bond of the nation. Collaborative sessions held by Arabic and Social Science departments were a sight to behold.

"Raise it high, Raise it proud!"

#HopeForHope

وكالة الإمارات للفضاء
UAE SPACE AGENCY

مركز محمد بن راشد
للفضاء
MOHAMMED BIN RASHID SPACE CENTRE

ARABS TO
MARS

— IMPOSSIBLE IS POSSIBLE —

HOPE PROBE REACHES MARS.
WITNESS THE HISTORICAL EVENT ON

09.02.2021
7PM UAE time

الإشياء
مستحيل
التي
IMPOSSIBLE
IS POSSIBLE

Our exuberant students in Junior Middle portrayed a phenomenal patriotic spirit as they enthusiastically participated in various activities centered around exploring space in classrooms as the Hope Probe made its grand entry into the orbit of the Red Planet - MARS.

‘...MISSION ACCOMPLISHED...’

TEDxOOBSchool

'Learn To Unlearn'



The 5th edition of the prestigious TEDxOOBSchool 2020 was held virtually on the 26th of November 2020, showcasing fifteen thought-provoking talks on fifteen electrifying ideas centered around the unique theme 'Learn to Unlearn'. Major Mohammed Ali Shah, an experienced TED speaker, provided immense guidance to the students to enhance their talks diligently. Seven speakers from the invited schools and eight from OOB spoke on various ideas worth spreading. The flawless event received stupendous appreciation and applause from the audience.

“...BECAUSE EDUCATION IS EVERYONE'S BUSINESS...!”



RewirED Talks helps catalyze a global conversation on how education and learning need to be reshaped to address the challenges of today and prepare for tomorrow. RewirED Talks at OOB, saw the panelists indulge in a lively conversation on topics that aimed at rewiring education for a prosperous and sustainable future.

“If you are planning for a lifetime, educate the people.”

TELLER OF TALES



The English Department had the unique opportunity to participate in a session on Multi-Modality in story-telling facilitated by Mr. Shyam Nair. The session emphasized the importance of integrating language teaching pedagogy with theatre in education.

"The human species thinks in metaphors and learns through stories."

MOTIVATING & MINDFUL



OOB had the exquisite opportunity to partner with Aster Volunteers to host a one-of-a-kind webinar titled ‘Mental Health during the pandemic’ under the aegis of their *Back-to-School* series of webinars and workshops. The session was facilitated by Dr. Arun Kumar (MBBS, MD, DNB – Psychiatry) and Dr. Sunil Raj (MBBS, DoH, MD- Pediatrics).

“Asking for help is a courageous step”

GLORIOUSLY GREEN



To create an awareness amongst the students about sustainable practices and the need for pesticide free food, OOB inaugurated its pioneering 'Organic Farming Project' on the 10th of December 2020.

Big step or small step, they all matter...

POWERFUL PARTNERSHIPS

Chocolate Biscuit Balls



Mrs. Suseena Jose

*Parent of
Basil Gajoy - 6 E*

Fruit Salad



Mrs. Nargis Shuaib

*Parent of
Mohammed Shayyan - 5 D*

Pineapple Trifle



Mrs. Naima Tabassum

*Parent of
Nuaym Koteshwar - 5 D*

“The key to educational success is hard work and parental engagement”

The plethora of activities conducted during the ‘OOB Parental Engagement Week’ drew encouraging responses from parents. The classrooms reverberated with a range of fun-filled and interesting activities which were a huge learning experience for the students.

KNOWLEDGE IS POWER #LWA2020



The grand finale of the Look Who's Answering 2020-21, for grades 1 – 10, saw the finalists vying for the title of the Look Who's Answering Champion. Roshin Rajesh Chilamban (Group-1), Shaurya Sanup Krishna (Group-2), Amarnath Sreevalsan (Group-3), Sreerag Sreejith (Group-4), Pranav Rajesh Chilamban (Group-5) and Anirudha Bhat Nekkare (Group-6) were crowned Champions in their respective group. Mr. Rajesh Chilamban was declared the winner of The Look Who's Answering Now 2020-21, Parents' Quiz.

CELEBRATING EXCELLENCE



On April 14, 2021 under the aegis of the Student Council, academic excellence was celebrated by honoring 30 distinguished students of grades 10 and 12 with the Ace Scholar Badge . Fourteen deserving students out of these received the Triple Ace scholar badge. Om Girishkant Gupta from Grade 12 A, emerged as the only recipient of the Six Ace Scholar award for the academic year 2020-21. Kudos Om!

"... The Sky is never the Limit...!"

Do your Part. #BeCyberSmart

Watch out for...

Dangers On the Web

- Many people now have their own websites. However, you have to be careful about what information you display.
- Examples: Your own website, Facebook, Instagram, Twitter

Dangers in E-mail

- Spamming
- Companies advertise via e-mail
- They try to entice you to purchase items
- Try to get you to visit inappropriate sites, etc.
- Delete these e-mails **DO NOT UNSUBSCRIBE.**

Dangers in Email

- Inappropriate, offensive, angry e-mail should be reported to your Internet provider.
- Don't send personal information, photographs, etc.

Dangers in Chatting

- Chats can result in revealing information you wouldn't normally reveal. This can leave you open to online predators.

Dangers in Various online communications such as:

- Newsgroups, Forums, Bulletin boards, etc.
- Instant Messenger
- Social Networks
- Video conferences

Live event Q&A

Featured My questions Most recent

Anonymous 1:16 PM 2
Are the courses taught in English?

Anonymous 1:16 PM 2
are scholarships available? if yes what are the criteria?

Anonymous 1:19 PM 2
is the university located in sharjah?

Anonymous 1:21 PM 2
what undergraduate program should i take after 12th to get into cyber security? im studying in 12th commerce

Anonymous 1:22 PM 3
what about scholarship here

Anonymous 1:22 PM 2
ICSE?

Anonymous 1:22 PM 2
what about scholarship here

Ask a question

To augment the vision of a safer internet, 453 OOBites from grades 10-12 actively participated in the Cyber Safety Awareness webinar hosted by the University of Stirling, UK. The event provided the attendees with a wider insight into the multidimensional world of digital technology and the threats posed by cybercrime.

“...If you want to be future-ready, you need to be cyber-ready first...!”

SOCIAL STUDIES WEEK



'Climate Change' was the theme of the Social Studies week. The OOB Middle School classrooms were abuzz with a range of exciting activities such as short story writing, article writing, poster making and many more which gave the students an opportunity to display their creativity.

"Social Studies is the science for Change Makers"

INTERNATIONAL MOTHER LANGUAGE DAY



With the aim to promote multilingualism and to express the significance of our mother tongue, students of the Middle School celebrated the 'International Mother Language Day' on the 21st of February 2021. The students creatively expressed their emotions for the language through poems, articles, posters and a variety of dialogues and discussions held on a diverse range of topics.

"...Language is the roadmap of a culture..."

THE VACCINE OF CYBER SECURITY



On the occasion of 'Safer Internet Day', Tuesday 9th February, the students of the Junior Middle Department, engaged in many elaborate discussions, poster making activities and much more, to raise awareness on the protection of children and youth online.

**“..Together For a Better
& Safer Internet..”**

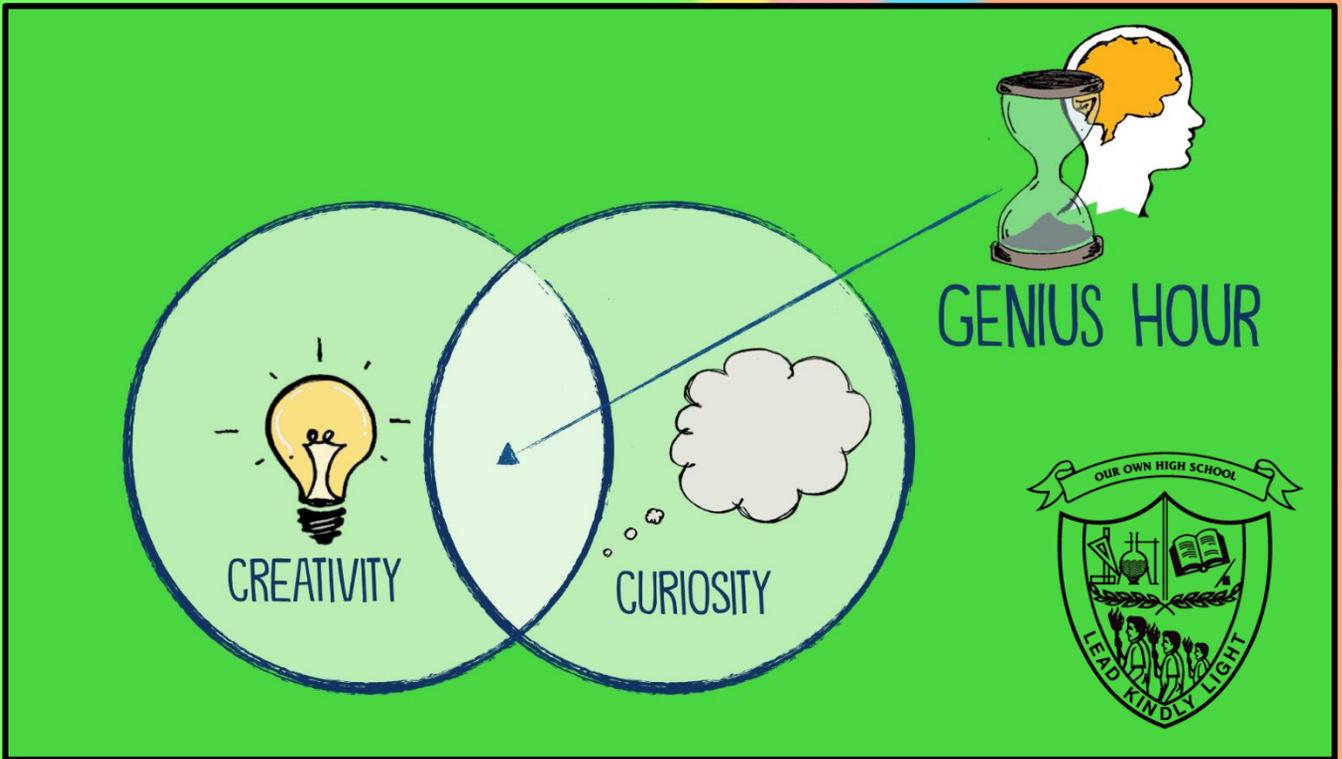
PRIMARY MATH FEST



The Primary Math Fest was an amalgamation of a series of activities designed to ignite a new and exciting passion amongst the junior OOBites. The students actively participated in the competitions, thus making the event a huge success.

{ Mathematics = Brainstorming }

GENIUS HOUR



The students of the Primary Department got an exquisite opportunity to explore the world of science and advanced technology as they embarked on an exciting journey aptly called the 'Genius Hour'. The young minds immersed themselves in the advances in the tech-industry and had an overview of the technicalities involved in the working of day-to-day digital products.

*"It's still magic, even if
you know how it's done..."*

VIRTUAL SPORTS DAY



Our Own Tiny Tots displayed a deep sense of sportsmanship on the glorious occasion of the first ever virtual Annual Sports Day hosted by the Kindergarten Department at OOB. Their commitment, zeal and everlasting excitement truly inspired the audience to maintain a positive attitude and more importantly stay physically and mentally fit during these challenging times.

“SPORT IGNITES THE ABILITY TO NEVER QUIT...”

L.E.G.O DAY!!!



The Kindergarteners at OOB celebrated the 'International LEGO Day' with great zeal and enthusiasm. The wide array of fun activities ignited their skills in innovation and creativity. The event showcased ways to develop fine motor skills and boost the critical thinking skills of the students.

“...The mind is not a vessel to be filled, but a fire to be kindled...”



No Mean Feat



OUTSTANDING OLYMPIANS



Based on the UAE rankings, our own Aditya Radha Krishnan Nair of 12D, has secured the 1st position in English and the 5th in Economics. Well, that's not all – Shafeeq Ahamed of 11D secured the 3rd position in Chemistry. In the UAE Olympiad rankings, besides clinching the 2nd position in Cyber, Shubhankar Ghosh of 11B secured the 3rd position in Physics and 6th position in Chemistry respectively. From the primary school, Kanishk Thawrani of 4B secured the 7th position in Cyber Olympiad. Take a bow.

MASE MAGIC



The 14th edition of the biggest Inter-School Medical and Science Exhibition 'MASE', organized by the Gulf Medical University, Ajman, saw OOBites shine and emerge with flying colours. Joel Jiji (12C), Abel Makil (11E) and Gilchrist Taweres (10G) were the proud recipients of the Jury and Viewer's Choice Category awards at the prestigious event. Kudos to the crew!

"Innovation - the key to our future"

Quizzing Extraordinaire



Anirudha Bhat Nekkare (XII B)



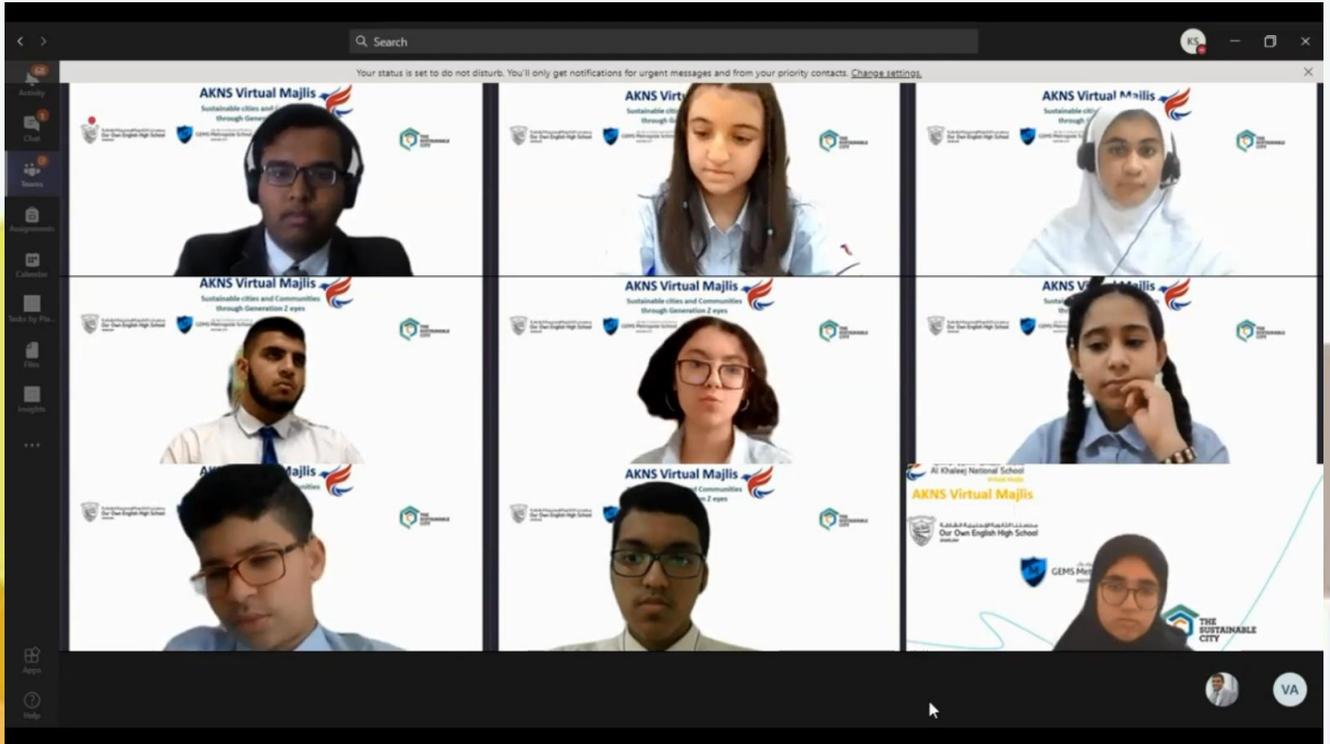
Benson Binoy (XI C)

00Bite quizzing aficionados - Anirudha Bhatt (12B) and Benson Binoy (11C) clinched the first place in the 'Modern World Quiz' hosted by the GEMS Modern Academy on the 8th of December 2020. Well Done, Champions!

"We quiz, therefore we are"

Conversations for Change

AKNS VIRTUAL MAJLIS



The students at OOB had the unique opportunity to experience an extraordinary dimension of dialogue, debate and discussion as they participated in the Al Khaleej National School Virtual Majlis with students from across the UAE. The talks were held on various topics of national and global interest ranging from sustainable cities and communities to the influence of technological advancement on humanity.

"Deep conversations with the right people are priceless"

Hindi Pratibha Sangam

GEMS
United Indian School
Gurgaon

चतुर्थ हिन्दी
प्रतिभा संगम

निमंत्रण पत्र

जेम्स युनाइटेड इंडियन परिवार की ओर से
चतुर्थ हिन्दी प्रतिभा संगम में हम आप को सादर आमंत्रित करते
हैं।

प्रतियोगिता दिनांक:- 9/12/2020
पंजीकरण समय:- सुबह 8:00 से 8:30 बजे तक
उद्घाटन समारोह :- सुबह 8:30 बजे
पुरस्कार वितरण समारोह दिनांक :- 10/12/2020
समय:- 10:00 से 11:00 बजे तक

COMPETITION DAY -9/12/2020:- Join Zoom Meeting
Meeting ID: 828 0274 7894
Passcode: 407314

PRIZE DISTRIBUTION DAY- 10/12/2020:- Join Zoom
Meeting
Meeting ID: 873 6011 2724
Passcode: 192382

UIS

AD

Khush Sheth (9J) secured the 3rd Place in 'Mono Act' competition and Febin Noble (9H) bagged the 2nd Place in 'Advertisement Making' competition in the 'Inter-School Hindi Pratibha Sangam' - a cultural fest hosted by the United Indian School. Congratulations Khush & Febin! You have certainly made OOB proud.

"Hindi is the soul of Indian Culture"

ASTONISHING ACHIEVEMENTS



Hearty Congratulations to Arjun Suresh Verma from our Middle School Department for securing the first place in the Senior Category and Hamad Baig of our Primary Department for achieving the Special Mentions Award in the Junior Category at the inter-school Story Narration Competition organized by the Ryan International School. You have certainly made us proud...!

Mind-Blowing Montage



Our Own Lil' Champs participated in an array of competitions and earned laurels & accolades by winning coveted positions in different categories in the virtual Inter-School competition 'Montage 2020', conducted by the JSS Private School, Dubai.

“...PREPARED TO WIN...”



Club-O-Byte



GENERATION GLOBAL CLUB



The newly inaugurated **Generation Global Club** held more than 12 interactive sessions for its members this Academic Year! The Club members were also part of three global video conferences which included the very first video conference in the Arabic language with schools in Jordan and Lebanon.

"... Navigating Difference through Dialogue..."

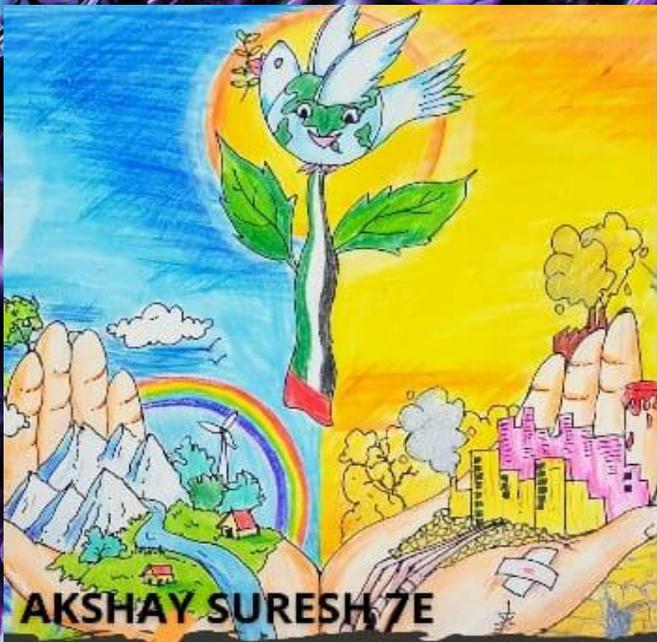
"LEGENDARY ARTISANSHIP!"

35

Art is a very abstract topic to talk about, we find it all around us, from the things that we use to the subjects we study, have some form of art integrated into it. Being such a vast topic, there are paintings made in and of different mediums. The most famous and easiest medium is acrylic. Acrylic paint is a very fast drying medium. In the perspective of a creative student, acrylic paints are a really fun way to spend time. All in all art is a very interesting topic and the art club helps the students develop their curiosity and creativity!

~Ravi Gopal, 12B
President of Art Club

CREATIVE ARTISTS CLUB



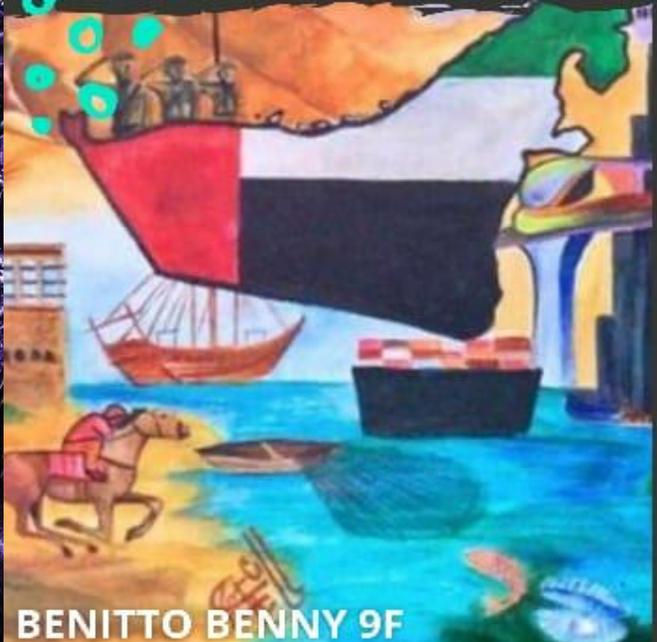
AKSHAY SURESH 7E



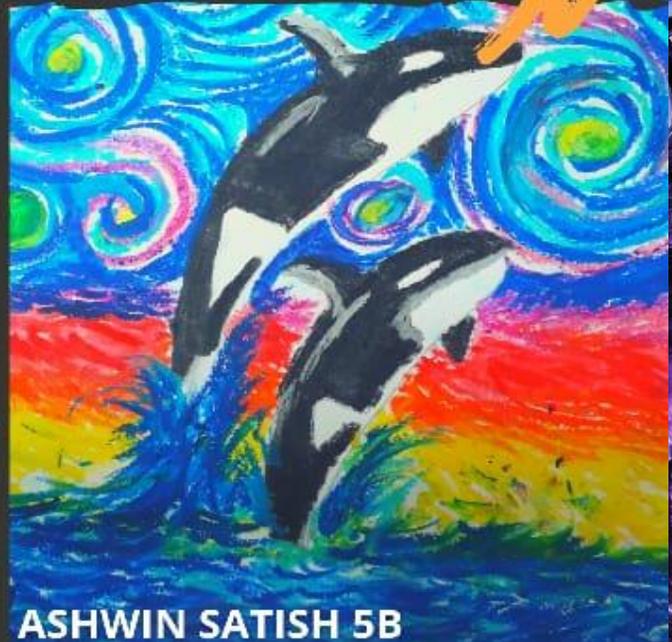
MANAV PANDAY 8A



SAMFORD SEBIN 7A



BENITTO BENNY 9F

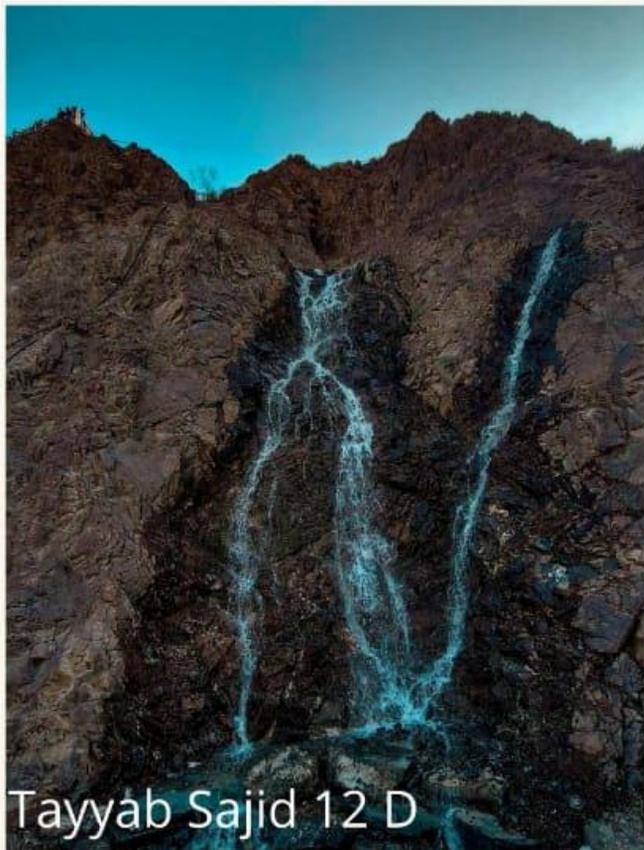


ASHWIN SATISH 5B

CLASSIC PHOTOGRAPHY



Tayyab Sajid 12 D



Tayyab Sajid 12 D



Rahul Menon 12D



Rahul Menon 12D



Creative Corner





Shayan 4H



Assi Visaakan 4B



Sreeram Praveen 5B



Sameer 4A



Ashwin Sathish Kumar 5B



Rahaan 5G



PRANAV JITH I C anayjith 1C

ARMAAN ANAS-1B

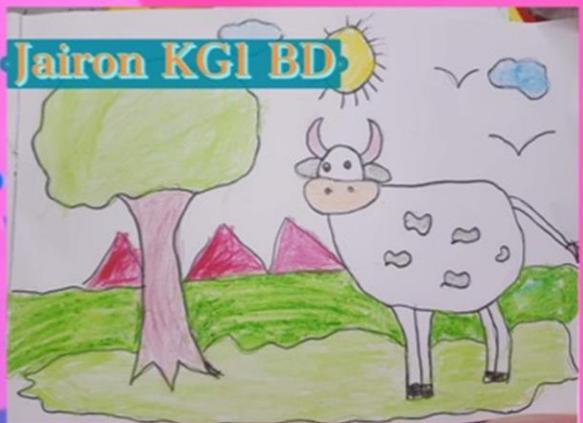


SHARATH BALAJI 1E

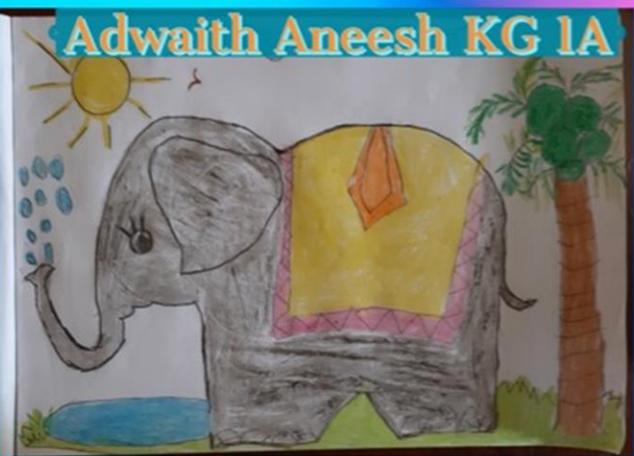


Enosh Ginu 1D

SPARSH MANISH MOTTA -1A



Jairon KGI BD



Adwaith Aneesh KG 1A



Ruel KG 1f



Mindception



THOUGHT PROVOKING, DAZZLING IDEAS

MINDCEPTION

EFFICIENCY AND THE FUTURE OF THE AUTOMOTIVE INDUSTRY

ABOUT THE AUTHOR

Smith Mahant, 11D is an aspiring automobile engineer. He is a top notch, go-to guy if your car goes haywire. Well, he is the President of Maths club so no more comments.

As teenagers, we all love the sounds made by the roaring V8's, V12's and boxer engines of Lamborghinis, Ferraris, and Porsches and many of us feel connected to our dad's car. In a way, the current generation has seen some of the best cars like Dodge Challenger, Toyota AE86, McLaren MP4/4, Bugatti Chiron, etc. which has led to the undying love towards the Internal Combustion Engines (ICE)... The ICE cars!

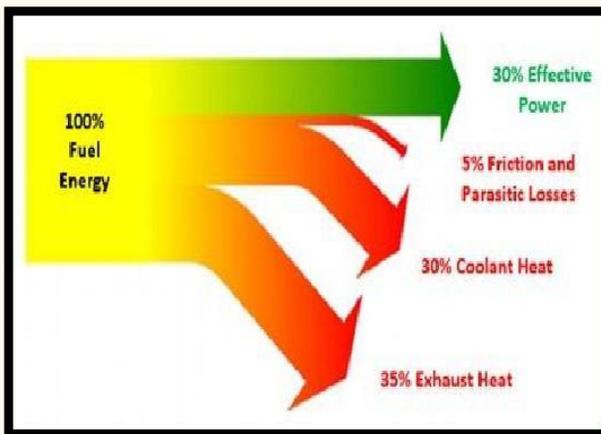
The first ICE car was patented by Karl Benz in 1879 when electric cars were highly in fashion. In 1898, Ferdinand Porsche, the founder of the Porsche company, developed his first car as an electric vehicle. Hence, electric cars made about 38% of all cars sold in 1900.

In 1908 Henry Ford sold his car, the Model T, commonly known as the "tin Lizzie", "Leaping Lena", "jitney" or "flivver" which revolutionized the whole automobile industry, and what came with that was the fall of electric cars. Model T cars were much cheaper when compared to electric cars and it was easy for them to gain a market. But, the hope for duly abandoned electric cars still existed. All thanks to Thomas Alva

Edison and Henry Ford who were still working out on a solution to make batteries that were capable of providing inputs that were similar to Model T.

With the advent of World War I, everything changed and the hope for an electric future crash-landed with the end of the world war. Economies struggled and as people didn't have money, buying an electric car was the last choice.

Fast forward to today, when it's evident that the glorious days of ICE cars are coming closer to being numbered and the sole reason is their efficiency. For every one dirham



spent, only 35 % of it is used in moving the car and the other 65% of energy is lost in friction and heat. Electric cars are more silent, have more efficiency, and have fewer moving parts which means that less maintenance is needed. This, again, contributed majorly towards the paradigm shift favoring the electric range. People might argue that it takes 6-7 hours to charge an electric

car whereas it takes 5-6 minutes to fill a whole tank of ICE cars and a justifying statement to that argument would be to see the transition from a Nokia phone to a smartphone- "A Nokia phone had a battery that lasted for a week on full charge but still we switched to a smartphone whose battery only lasts for few hours after full charge, right?"

This article might make you wonder that if electric cars are so good then why don't we see electric cars everywhere, and when we think of electric vehicles why only cars and bikes come into our mind and not trucks, buses, and airplanes? The main reason for that is the energy density of lithium-ion is much less than a diesel fuel which makes them harder to use. But, shouldn't we give electric cars the support and time they need as they are safer for us and our environment?

Lastly, I think that ICE "vehicles" are here to stay for at least for the next 15-20 years but the future's looking to be increasingly electric. More electricity grids are now

moving towards increasing their renewable energy production, EVs are producing fewer emissions throughout their lifetime regardless of the energy source, and car manufacturers are looking to produce more EV alternatives for the mass market. With many carmakers announcing plans to bring electric versions of their vehicles to market in the next few years, I think that for trucks and busses, going hybrid is the best option but for cars going electric is the! I will leave you there, have a safe journey!!!

1 MIND, 2 SYSTEMS

ABOUT THE AUTHOR

Taha Hussain, 11F is a mind blowing designer, photographer, picture artist and more recently, a voracious writer. He loves discussing unique topics and holds an interest in a wide range of subjects.



“This guy looks angry, he may shout at us now for something that’s not even our fault” An intuition of what he was going to do next came to our minds effortlessly. It was an instance of our fast thinking or **System 1**.

Now look at the following problem: **17 x 24**

When we see this problem, we immediately understand that this is a multiplication equation and probably with pen and paper we’ll be able to solve it. With vague intuition, we will even be able to predict the possible results. We’d recognize that 12,609 and 123 are implausible. Without spending any time on the problem, however, we wouldn’t be certain that the answer isn’t 568. If you haven’t done so yet, you should attempt the multiplication problem now, completing at least a part of it.

Now, you experienced the phenomenon of slow thinking as you proceeded through a sequence of steps. Carrying out the computation was a strain. the burden of holding much material in memory. The process was: deliberate, effortful, and orderly—here's our system number 2. (by the way 408 is the answer. System 1 operates automatically and quickly, with little or no effort and no sense of voluntary control, while System 2 allocates attention to the effortful mental activities, including complex computations.

They are often associated with the subjective experience of thought, choice, and concentration. When we think of ourselves, we identify with System 2. Although System 2 believes itself to be where the action is, System 1 is the real hero. It effortlessly originates impressions and feelings that most influence our sources of beliefs and choices. System 1 generates surprisingly complex ideas, but only the slower System 2 can construct them in an orderly fashion. Here are some examples of activities attributed to System 1:

- Complete the phrase “bread and...”
- Answer to $2 + 2 = ?$

The capabilities of System 1 include perceiving the world around us, recognizing objects, and fear spiders. Other mental activities become fast and automatic through prolonged practice which we also know as muscle memory. The highly diverse operations of System 2 have one common feature: they require attention and are disrupted when attention is drawn away. examples:

- Focus on the voice of a particular person in a crowded and noisy room.
- Monitor the appropriateness of your behavior in a social environment

The often-used phrase “pay attention” is apt only when we use our limited budget of attention on an allocated activity, if we go beyond our budget, we simply fail. Intense focusing on a task can make people effectively blind, even to stimuli that normally attract attention. Like clicking away on our phones and not realizing our parents are calling us for the last minute (we all have been there). Studies found that continuous attention is tiring and the idea of mental energy is more than a mere metaphor. The brain consumes the most of the glucose, and effortful mental activities are especially

expensive in the currency of glucose. Volunteers who undergo an expensive cognitive task before a test performed worse compared to volunteers who were asked to relax. That 4 am study session a day before the exam isn't a good idea after all. It does more harm than good. Our brain's lazy and causes us to make intellectual errors due to conflict between the 2 systems.

Here's a way to show you how, the bat and ball problem. A bat and a ball cost AED110. The bat costs AED100 more than the ball. How much does the ball cost? I'll give you a second. Got it?

If your initial answer is AED10, I'm sorry but system 1 just tricked you. Do it again. And? Once you think about it, you'll see that the ball must cost AED5. Then, if the bat costs AED100 more, it comes out to AED105, which, combined, gives you AED110. Fascinating, right? What happened here? When system 1 faces a tough problem, it'll call system 2 to help. But sometimes our brain perceives problems simpler than they are. System 1 thinks it can handle it, even though it actually can't, and you end up making a mistake. Why does your brain do this? The law of least effort states that your brain uses the minimum amount of energy for each task it can get away with. So, when it seems system 1 can handle things, it won't activate system 2. In this case, though, our brain limits our intelligence by being lazy. And the best example of this in our classrooms. Learning is a really expensive task, when our brain runs out of our limited budget it quits and gets distracted. Our system 2 is lazy and it'll do the least possible work and thus it's so easy to get distracted. How to fix this problem? Take notes, when we take notes, we transfer all the mental stress of our books, are influenced, and voila paying attention was never easier.



CAUSALITY

ABOUT THE AUTHOR

Chandan Kurup, 11A is an information enthusiast who finds beauty in little things. He loves writing about social and natural phenomena, something which all observe but don't admire.

Causality (also referred to as causation) is influenced by which an event, process, state, or object (a cause) contributes to the production of another event, process, state, or object (an effect) where the cause is partly responsible for the effect, and the effect is partly dependent on the cause.

Causality has its branches in almost every sphere of life. From the intricate and untold nature of the quantum world to the concept of thermodynamic equilibrium of a system, causality can be considered as the primary constituent of the very fabric of life. This fundamental concept of cause and effect helps us to create an understanding of the world that we are an integral part of and to give us a new perspective as to how a person can influence his surroundings

Scientific methodology is highly dependent on the analysis of action and the imminent reaction that it produces. Scientific advancement and the progression of mankind has been highly influenced by the concept of causality as it conveys the message that every action has a reaction and that to understand the working of action, one must dwell into the reaction and create a logically sound explanation elucidating the phenomenon occurring during a certain reaction. Let us now have a look at the definition for science, which states that: "Science is a systematic enterprise that builds and organizes knowledge in the form of testable explanations and predictions about the universe". A quick comparison between the concept of causality mentioned previously and the definition for science shows that causality is fundamental to science. Without causality, there is no science and as a consequence, there would be no life, to begin with. A prime example of causality in science is Isaac Newton's famous 'Third Law of Motion, which

states that every action has an equal and opposite reaction. We have now understood that causality is key to understanding science. But is causality limited to science alone? Can we not apply the concept of action and reaction to other domains of our lives? Can we not create a similar understanding of life by exploring the effect of an action and studying its reaction on a person or society as a whole? Yes. We can create a similar understanding of life by studying the action of a person and recording its reaction. This however is not as simple as it sounds. Unlike science, which is based on universal concepts and theories, life cannot be described in a fixed number of words. Life is by far the most complicated phenomenon to describe, and this definition of life changes with context and time. This is because the life that we talk about is not limited to animate objects with specific biological processes, it is considering the universe (a system) and the relation between every constituent of this universe.

Causality in the above context would be trying to create a unified theory that explains the intricacy of the universe. This notion brings along with it a few pertinent questions- **how does explaining the intricacy of the universe help mankind** and **how do we as a constituent of the society learn from the causality of life?** The very understanding that our actions impact others in any manner, however inconsequential will give us a new perspective on life and makes us a more responsible individual. Those who understand this have a positive outlook on life with which they try to influence all those that they come into contact with. They spread their positivity to others and help the world become a greater place. In the present situation when we are battling with the ongoing pandemic, this perspective will help society find an opportunity within everything. In our contemporary world where materialistic tendencies prevail, this concept is a ray of hope for the future and development of society. As for humanity, history has given us countless examples of the many souls that have changed the world with their actions, words, and thoughts. The aptest explanation to the implication of causality in our society is:

“No snowflake in an avalanche ever feels responsible.”

-François-Marie Arouet



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