

**JUNE 2020 | ISSUE 04**

# UIS NEWSLETTER

THE OFFICIAL NEWSLETTER OF GEMS UNITED INDIAN SCHOOL



## CONTENT

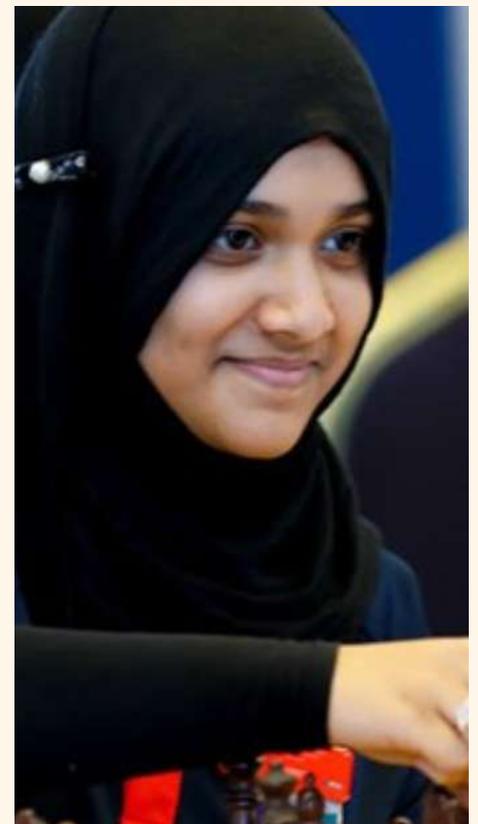
Messages from the Senior Leadership Team

Summer Fun 2020

Messages from the Head of Departments (HOD)

## SUMMER BREAK!

"Every summer has a story and so does this one." The much awaited Summer Break has commenced, but, the fun and learning never comes to halt as GEMS United Indian School has come up with brilliant summer camps and programmes to thrill and dazzle the young students.



# Message from the Principal



**Dear Parents,**

We have successfully completed the first term of the academic year '20-'21. Unprecedented though, together, with your support, we could sail through the torrid times. Our determination and grit to succeed in all circumstances was tried and tested especially during this period. I am happy to declare that we have not lost the battle. Although the war is on, we are now on high ground as regards education delivery through RLP and blended learning approach. As our Chairman says, 'Whatever the problem, education is the answer'. We are now fairly well informed to face the invisible pandemic and will come up with safe solutions as we look forward to continue the journey in September.

Looking back at the term gone by, we want to stop by and take stock of the learning. Children are assessed to determine what Knowledge, Skills and Attitudes they have developed with the taught curriculum. Attainment in this context places the learner at a level at which he/she is currently working. Individual students could be working at one of the four levels: from being a Beginner to that of an Expert. Individual teachers support each student to move from one level to the other. This movement is the Progress every learner makes and is measured based on the outcome of learning demonstrated by the learner. As we move into the fag end of the first term, our beloved teachers will share with you the information regarding Attainment and Progress made by your child and suggest ways and methods that your child could adopt to move up the learning ladder. Children have phases of progress: Sometimes, they move ahead rapidly and at other times, they are consolidating their attainment level by gathering and practicing skills needed to move forward. It is our teachers, the school system and your support and encouragement as parents that can make a big difference in children's progress. Would like to take this opportunity to thank our teachers and all academic leaders supporting teachers to achieve the unsurmountable! Teachers have been awesome learners in getting on top of online Teaching and Learning ladders and have worked very hard to meet the demands on this new frontier. We are very proud of their work and highly appreciate their effort! Many parents have sent glowing remarks on the way our teachers handled RLP. Our teachers are caring enough to offer some part of their precious time during the summer vacation to spend with your children. Hope you have received the schedules for summer fun activities. There are also opportunities for paid learning activities scheduled on different days if you wish to have your child learn a new skill in Art/Dance/Music etc. Very soon, we will share with you our plans on reopening school as scheduled. In partnership with you, we want to work hard to unlock the potential in our children and we are fully aware there is always room for improvement! Wish you a safe and secured summer of 2020!

**K. George Mathew**  
**Principal**

# Message from the Vice Principal



## **Dear Valued Students and Parents,**

Greetings from GEMS United Indian School! As we come to the end of the first term (and what a term it has been!), I'd like to start yet again by saying "THANK YOU" to all our wonderful parents for their flexibility and support during this distance learning period. Needless to say it was not a clear or easy path for educators, students and parents across the globe but as we stood together, we won the day! Congratulations and thank you to each student of UIS who proved that digital natives can take on any challenge and push the game to the next level! As we move into the summer break, I urge students to take time to take a pause from their daily routines and reflect on the wonderful gifts that life gives us all the time and think about the simple things we all take for granted.

When these simple services were taken away from us, we struggled and wished things were different. Students - take this time to reflect on your attitude of gratitude. Having the constant love and care of your parents in this pandemic, learning with caring teachers who delivered the best learning online, eating fresh food, staying safe and healthy and many other privileges you enjoyed are not part of lives of millions of young children in the world. The UAE government has done excellently to ensure we are protected and safe! I'd say we are lucky to have been here at this dark time in history. As you reflect, think about what kindness you can give back to the people around you. GEMS has a unique Jewels of Kindness and Respect program which encourages all of us to be kind and respectful. Need ideas on how to show kindness? Click here <https://www.randomactsofkindness.org/kindness-ideas> to get ideas on how to be kind at home, school/work, with animals, the environment etc. Let us make a difference to whomever we can! Finally, as I sign off for the term, I cannot thank the teachers enough for their round-the-clock efforts to make Remote Learning Program a resounding success! "THANK YOU" teachers for all the sincere work you have put in to make learning meaningful, non-stressful and fun for our students - it wasn't easy and you've shown why you are just the very best! I urge all students to participate in the Summer Fun and Summer Camp activities. Information has been shared on the free-of-cost and paid programs. Sessions are designed to engage, entertain and educate our valued students. None of the successes we had would be possible without the constant direction and support of our Principal - Mr K. George Mathew and Senior Leadership Team. Needless to say, we have a super team of senior and middle leaders who have been inspirational in every way!

Wishing all a restful, safe and kindness-filled summer break!

See you on the other side!

Best,

**Shaikh Murad Sarfraz**

**Vice-Principal**

# Message from the Senior Supervisors



## **Dear Parents and Students,**

Welcome to another Newsletter that has become a regular means of communication since the onset of our Covid 19 close down. The purpose of these newsletters is to keep you as parents informed on what is happening in GEMS United Indian School. We have had to embrace technology like never before. We continue to embrace Information Technology in order to keep up to date with new systems that we have to put in place due to Covid 19.

We know that this term was challenging for you as parents & guardians as you navigated the pandemic as it related to careers, childcare, staying healthy, and the overall safety of your family. We could not be more proud of our faculty, staff, community and our parents for helping our students finish out this term strong. This experience will no doubt help to teach our students the “grit” that it takes to succeed in tough times such as these with COVID19. So congratulations to YOU and our students for making it until the end of the term!

During this time, we have embraced a number of new challenges, of which we have successfully conducted following competitions like online painting, Intra class Elocution, Just a minute Qirat, Yoga and Eco club activities. We successfully conducted assessments, virtual open House, investiture ceremony and UIS-V-MUN Conference, which was a huge success this term. Summer fun 2020: We are offering a variety of hands-on, fun online activities during summer break that will help your ward to build his/her personality .The program strives to provide an ideal venue in which your ward can grow and explore and also to bring out physical and mental discipline through creative fitness routines for students. Learning to play instrument stimulates the brain, improving functions like memory and abstract reasoning skills, which are essential for Math and Science. For more information click on this link:

**<https://www.flipsnack.com/MollyRinsoVarghese/summer-activities.html>**

As a school community, we have adapted very well to the changes that have been brought about by Covid 19 and we have to prepare to embrace even more changes to what we took for Covid 19. After summer, it is envisaged that it will be a mix of in-school Teaching and Learning along with online Teaching and Learning. This is referred to as ‘Blended Learning’. As information becomes available, we will keep you informed through circulars. Wishing you all a very happy and safe vacation.

**Mrs. Sunitha Nambiar & Mr. K. Joseph**  
**Senior supervisors**

# Summer Fun 2020

We are delighted to inform you that we are going to make this summer holidays more interesting, special and fun filled for your ward with the introduction of the SUMMER FUN. We are offering a variety of hands-on, fun online activities that will help your ward to build his/her personality, and aid in the development of their communication skills. The programme strives to provide an ideal venue in which your ward can grow and explore.



LEAD KINDLY LIGHT  
**UIS** Presents  
GEMS United Indian School  
UIS Summer Fun - 2020  
ART & CRAFT

Registration on 6.7.2020  
Start dates: 12.7.2020  
End date: 13.8.2020  
Group A - Beginner  
Group B - Intermediate  
Fee : Dhs 250 for 6 weeks

reg.uis@gemsedu.com  
reg.gem.uis@gemsedu.com

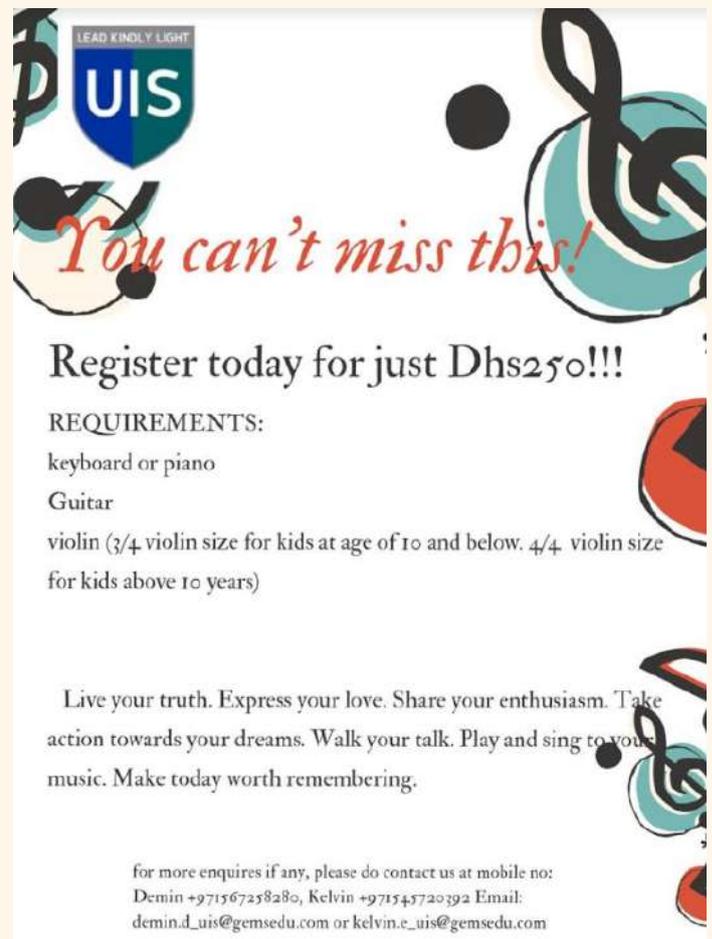


LEAD KINDLY LIGHT  
**UIS** Hit the high notes!  
LEARN HOW TO PLAY A  
MUSICAL INSTRUMENTS!

6 WEEKS PACKED ACTIVITIES  
Including  
5 WEEKS: TRAINING  
with  
PERFORMANCE On 16th & 18th AUGUST, 2020.

START DATE: 12-07-2020  
END DATE: 13-08-2020

shutterstock



LEAD KINDLY LIGHT  
**UIS**  
You can't miss this!

Register today for just Dhs250!!!

REQUIREMENTS:  
keyboard or piano  
Guitar  
violin (3/4 violin size for kids at age of 10 and below. 4/4 violin size for kids above 10 years)

Live your truth. Express your love. Share your enthusiasm. Take action towards your dreams. Walk your talk. Play and sing to your music. Make today worth remembering.

for more enquires if any, please do contact us at mobile no:  
Demin +971567258280, Kelvin +971545720392 Email:  
demin.d\_uis@gemsedu.com or kelvin.e\_uis@gemsedu.com

**THE CHANGE STARTS  
HERE  
LET'S GET MOVING  
INTRODUCING  
THE BROADWAY**



**LEARN THE MOST ARTISTIC FORM  
OF THEATRE DANCE WITH A  
UNIQUE MIX OF CONTEMPORARY  
AND THEATRE**

**ACCESS  
BROADWAY**



**FEE: DHS 250**

**PROGRAMS**

**WE ARE RUNNING 5 WEEKS  
TRAINING AND 1  
PERFORMANCE**

**PERFORMANCE WEEK :  
16TH & 18TH AUG 2020**

**STARTS ON 12:07:2020**

**ENDS ON 13:08:2020**

**REGISTER BY 6:07:2020**

**CONTACT- AANCHAL**

**PHONE-0556753617**

**EMAIL-aanchal.s\_uls@gemsedu.com**

**LOSE YOURSELF  
IN MUSIC**

**FIND  
YOURSELF IN  
SHAPE**

**REGISTER BY  
6:07:2020**



**5 WEEKS TRAINING 1 WEEK  
PERFORMANCE**

**TRAIN  
ACCORDING TO  
YOUR LEVEL**

**BEGINNERS &  
INTERMEDIATE**

**STARTS ON :  
12-07-2020  
ENDS ON 13-08-2020**

**FEES: DHS 250 FOR SIX  
WEEKS**

**PERFORMANCE WEEK:  
16th & 18th AUGUST**

**contact:AANCHAL**

**PHONE:0556753617**

**email:aanchal.s\_uls@gemsedu.com**

**UIS**

**HURRY !!**  
**AEROBICS** For all ages  
**GET FIT AND**  
**LOOK GREAT**

- Flexibility
- Muscular Strength
- Cardio-Vascular

Starts- 12th July 2020  
 Ends- 13th August 2020

**Performance week- 16th & 18th Aug 2020**

Fee: DHS 250 for 6 weeks

**REGISTER BY- 6TH JULY 2020 !!**

Contact - Sonam Singh  
 Phone.- 0505516079  
 Email- sonam.s\_uis@gmesedu.com

**UIS SUMMER FUN 2020**  
**HIP - HOP DANCE**

Learn to be a good dancer

**COME AND DANCE WITH US**

REGISTRATION: JULY 06, 2020  
 STARTING: JULY 12, 2020  
 END: AUGUST 13, 2020  
 PERFORMANE: AUGUST 16-18  
 FEE: 250 AED

FOR MORE INFO CONTACT: MARLON GARCIA  
 EMAIL: MARLON\_G\_UIS@GEMSEDU.COM  
 PHONE: 0563856068

# Message from Environment Club Coordinator



Sustainable development has become the watch word of the 21st century. It's all about seeking a better life for everyone, now and in future without destroying our precious resources. Eco club strongly believes: Think Globally, act locally". We aim to build responsibility among students to rethink and reorganize their lives even in this pandemic. so that they care even for the little things which matter the most.

The school was environmentally enlightened with several program to inculcate on 6Rs and implement it in the campus through reduce, rethink, reuse, reorganize, repair and recycle themes. As the Coordinator of the Eco club , I'm delighted to share the success story of environmental contributions made by GEMS United Indian School with the renowned Jane Goodall Roots & Shoots educational program for young minds to implement practical positive change for people, animals and the environment. They have accoladed GUIS in their latest newsletter as the Featured school of the Month June 2020. I strongly believe that such selfless work leads the pathway for the young minds to become an informed generation of compassionate citizens that the world is in dire need of. "Let the dreamers of tomorrow take action" Do check out the link: <https://uae.rootsandshoots.community/jasmina/2020/06/22/featured-school-gems-united-indian-school/>

**Mrs. Bindhu Zachariah**  
**Environment Coordinator**

The screenshot shows the website for Jane Goodall's Roots & Shoots UAE. The main heading is "FEATURED SCHOOL - GEMS UNITED INDIAN SCHOOL" by Jasmina Muthuswamy. The text describes the school's commitment to environmental protection and sustainable development, mentioning activities like paper collection and tree planting. The page also features a search bar, a "LATEST NEWS & UPDATES" section, and a "2041" logo at the bottom.

# The Story of Plastic



The fact that Multi-National Companies have regularly manipulated the media to ensure their profit has caused enough harm to our environment. Plastic is made 99% of fossil fuels and it should be no surprise that major oil and gas companies also sell plastics. These industries, instead of taking responsibility for the waste they produce, push all the blame on the governments for not having proper waste managing facilities. To the industries, producing plastic is profitable; hence, they have no reason to stop production. And to ensure that their customers continue to buy such products, industries state it is recyclable, whereas the truth is that only 2% of the plastic produced is efficiently recycled. The reason being that most demands of plastic are for sachets which are multi-layered. This makes it an enormous task to separate each layer. And since none of this ever reaches the ears of consumers, they end up buying such things.

Many industries show double standards by supplying one thing in a country and another elsewhere. For example, in India, Head & Shoulders supplies sachets which are single-use and doesn't cover the fee for waste management. Whereas in Belgium, Head & Shoulders supplies bottles which cover the fee and these are also recyclable. These companies don't bother paying for the Extended Producer Responsibility (EPR) where it is most needed. They grow without any environmental concern.

And the most astonishing fact is that this problem has come up only in the past decade. If you were to visit a landfill 10-15 years ago, there would be a majority of aluminium or glass. It is important that we, as humans, make sure that we are taking care of our environment.

**By: Tavishee Patil and Rhesa Thomas**  
**Vice Presidents of Environmental Engagement**

# Message from the Counsellor



*“Life isn’t about finding yourself; Life is about creating yourself”*

*- George Bernard Shaw*

Soon, when all is well, you are going to look back on this period of your life & be glad that you never gave up. Let’s don’t wait for the right moment, for this is the right moment to create yourself. You may feel the pandemic bring chaos to your life; to your routines/schedules. But let me remind you that this period of your life bring opportunities to you to create yourself; to organize yourself. The best contribution of the pandemic to each one of us is the gift of ‘time’ for Reflexivity. Though it is your turn to make best of you, my turn is to give tips for a healthy life. Here are some of the tips:

1. **Family Time** – Make sure to include family time in your routine. Personal time or family time help us to bond with them. A time to be yourself away from all the worries of the world, a time to share your family, to feel the love & warmth of your family.
2. **Art of Appreciation** – Learn to appreciate people for their good deeds. Start the art of appreciation from your own family. Appreciate your parents, siblings and parents for sure their children for the goodness they brought to this world. Appreciation can bring happiness in life, it can make a person better, and it will help to build self-confidence
3. **Plan ahead & Organize Yourself** – ‘If you fail to plan, you plan to fail’. Plan ahead, plan your future for this is your life. ‘Now’ is the right time to plan, don’t wait for the World to bring plans for you as you are the best person to make them. Organize yourself to be a better person; to follow your dreams. Remember the quotes of APJ Abdul Kalam *“Dream, Dream, Dream. Dreams transform into thoughts and thoughts result in action”*.
4. **Sharing is Caring** – We are blessed for we can dream and conquer our dreams. While going forward with our life, let us ensure a helping hand for the people around us to make their life a better one. Share you knowledge with those who need them; share your time for those who are lonely and share your care for the people in distress.
5. **Eat Healthy & Eat Together** – ‘The family that eats together, stays together’. Find yourself time to have your meal with your family. Follow a healthy diet which contains adequate vegetables, fruits with a mix of happiness & love.
6. **Meditation** – it will help you to strengthen the bond of your soul, mind and body. It helps you to achieve a mentally clear and emotionally calm and stable state.
7. **Get Enough Sleep** – Sleep is the golden chain that ties Health & our bodies together. Don’t break the chain, keep it strong for it will keep you healthy.
8. **Exercise regularly** – Fitness of the body is not to be purchased, but to be created. Make your body healthy by training it right. Build yourself, because no one else is going to do it for you.

Best,

**Mrs. Zera Bai Rajan**  
**Student Counsellor**

# Message from the HOD - Math



GEMS United Indian School organize mathematics subject knowledge effectively, relating concepts to previous experiences and everyday contexts, and can detect and concentrate on the ideas within the subject that have the most relevance. They can predict the topics that students will find difficult and can respond to the students' needs. Math department teachers have a connective view of mathematics, not teaching discrete chunks of mathematics but supporting students in seeing how each topic draws on and extends the ideas that they have worked with before. Our school provides an online platform in which students are able to make mistakes without losing confidence; they ask questions and are engaged in learning

Well-experienced teachers at our school have an influence on student outcomes – not just on examination results, but also on developing deep and conceptual understandings. They help students become autonomous learners that are willing to take risks.

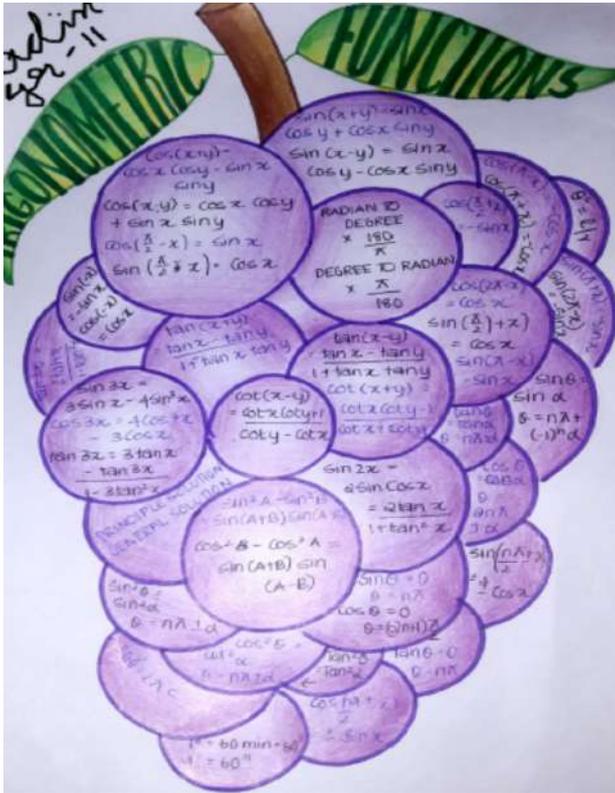
We, as mathematics teachers of Gems United Indian School help students make connections, use effective strategies, helping learners connect ideas and know that they represent different ways of, essentially, seeing the same thing is important to building fluency with ideas in mathematics and not overloading memory. We make mathematics simply as a bag of tools – a set of unconnected skills that could be used whenever necessary.

Our classes are a place where mathematics is something that is explored and created, and a place where the students can engage in genuine and creative enquiry. Many students enjoy practical work and practical representations can help difficult or abstract ideas become accessible to students. Practical mathematics is described as mathematical activity involving the use of concrete materials, representations and situations where a student is physically engaged in the activity.

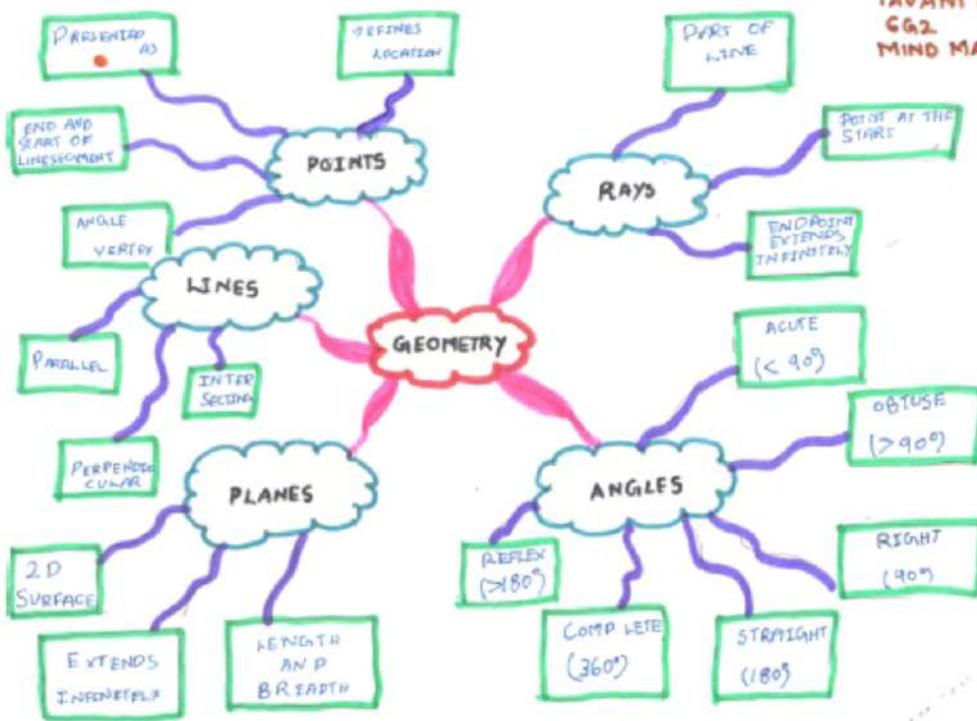
Our experienced teachers are committed and demonstrate excellent digital strategies. Usage of PADLET helps students voice their approach through brainstorming sessions. PADLET application is efficiently used to showcase students' research and is also used as a collaboration tool to develop critical thinking and communicative skills. Spider diagrams are used in recapitulation processes, wherein students portray the concept by differentiating it into three parts as beginning, middle and a conclusion. Online quizzes are conducted to help students recall the learnt concepts and assess their progress, using applications such as Kahoot and Quizizz. Various reflection models such as Mind maps, Flow charts, Frayer's models are used for students to view their understanding at a glance.

**Mrs. Tina Maria Dsouza**  
**HOD-Department of Mathematics**

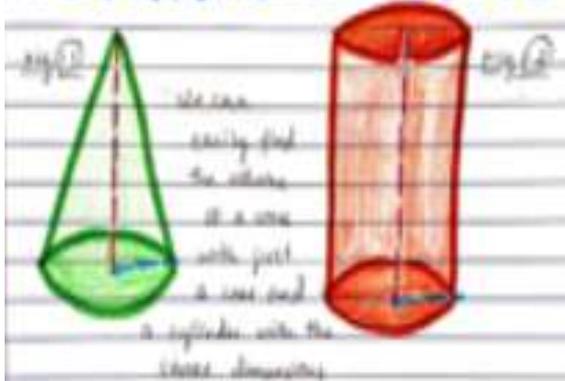
# MATHEMATICS



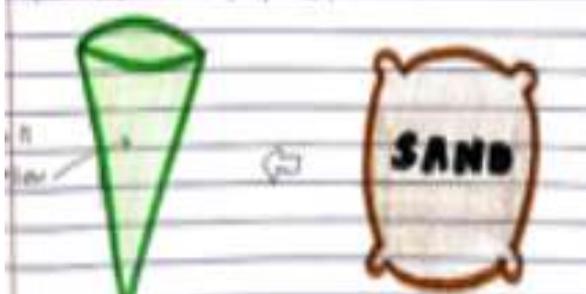
PAVANI PAI  
GG2  
MIND MAP



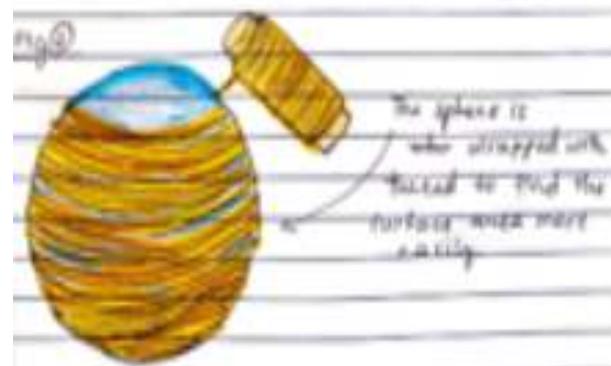
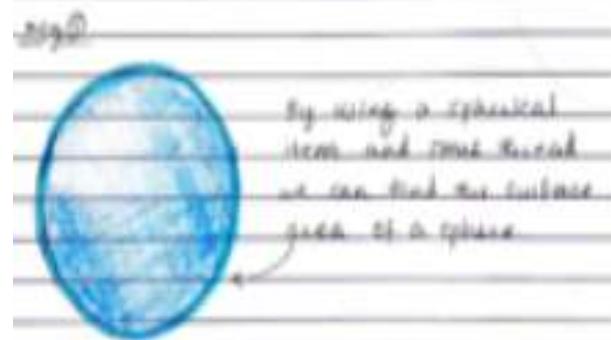
## ACTIVITY 2 - VOLUME OF CONE



The first step is to find the volume of cylinder which is  $V = \pi r^2 h$ .  
Then, we have to find the relation between the volume of the cone and the volume of the cylinder. We can do that using some sand (or rice, whatever preferred).



## ACTIVITY 3 - SURFACE AREA OF SPHERE AND HEMISPHERE



# Message from the HOD- Social Studies



‘Smooth seas do not make skillful sailors.’ We, as teachers teach our students to rise to the occasion. Hence, when RLP was initially introduced, GUIS prepared their teachers to overcome any challenge that comes in our way. Since we have wholeheartedly changed our vocabulary by replacing the word, problem with opportunity, we have all become more skilful, well versed and most importantly, mastered the whole spectrum of the RLP.

With my team of Social Studies teachers, it has been a ‘siteful’ and ‘browserful’ journey. We stood tall and firm with one goal in mind: how to give our students the best learning experience. It has been a bumpy ride, but what is success without failure? Nevertheless, it has now turned to smooth sailing. To cite an instance, doing mapwork was undoubtedly a challenge but my team was able to figure out the best way to overcome this challenge, and alas, we gave the students the solution and thus, they were able to practice effortlessly through One Note. By using platforms such as that of TEAMS, PADLET, One note, students rejoice in doing collaboration work! Playing live quizzes excites them the most!

With these plethora of ways of doing class work, the students have indisputably become technologically inclined, however, the only downside being, we miss the personal touch we once experienced with each one of our students. I hope to see the smiles, energy and sweet voices back in the empty corridors in the near future.

Wishing you all a safe and happy summer vacation!

**Mrs. Indravati Pandey**

**HOD-Department of Social Studies**

# SOCIAL STUDIES

16/12/2020

**Starter**

What if you lived in a hot desert without any modern facilities like electricity or easy water availability? Imagine how your daily life would be. What would you learn? How would you protect yourself from poisonous desert snakes? In what ways would your life be different?

**MIND MAP**

**MY DAILY LIFE IN A HOT DESERT**

- Arrange heavy clothing to protect myself in the desert.
- Build a desert shelter with rocks, palm fronds and sticks.
- Search for herbs from desert like dates, orachard etc.
- Search for water in desert.
- Go out going to sunlight during daytime.
- Prepare a long stick with 'V' shape head to pin down poisonous snakes.
- Collect water from sandy morning dew.
- I will be like a batsman.

**Spider Web Map**

**FIRE WAS DISCOVERED**

BY: HARMAN KAUR  
6G12

- BEGINNING -** Fire was man's first great discovery. It protected them from severe cold.
- BEGINNING -** Fire was invented by striking two stones against each other.
- MIDDLE - WITHOUT FIRE** They used to eat raw food.
- MIDDLE - WITH FIRE** They can have cooked food.
- END -** It was a good change as it protects them from wild animals.
- END -** They can melt iron for making more weapons for hunting.

**Nationalism in India**

Timeline:

- 1915: Mahatma Gandhi returned to India from South Africa.
- 1919: Masses against Rowlatt Act. Jallianwalla Bagh massacre. Khilafat committee was formed in Bombay.
- 1920: Gandhiji convinced Congress form non-cooperation movement to support Khilafat.
- 1921: Non-cooperation and Khilafat movement launched.
- 1922: Gandhiji withdrew non-cooperation movement.
- 1924: Alluri Sitabamma Raju arrested ending a two-year armed tribal struggle.
- 1929: Death of Lala Lajpat. Congress adopts the demand for Purna Swaraj.
- 1930: Gandhiji started salt march and ended the march.
- 1932: Civil disobedience started. Ambedkar established depressed classes association. Gandhiji started fast and ended the march. Civil disobedience resumed.

Illustration of a group of people marching.

**CAUSES OF THE FRENCH REVOLUTION**

Global society saw France with **FREE** Commerce.

The Clergy: 1% estate

The Nobility: 2% estate

The Commoners: 97% estate

Population divided into 3 estates (ignoring a peasant).

France was on absolute monarchy with a weak monarch.

King Louis XVI: prepared personal over court interests. Was strongly involved in business. Who ignores to strong desire action. More absolutist.

France sent troops of support to aid the American revolutionaries.

France had **LARGE** debts with interest.

Need for reform.

Address was delivered on 17th July 1789.

France was divided into 3 estates.

France was on absolute monarchy with a weak monarch.

King Louis XVI: prepared personal over court interests. Was strongly involved in business. Who ignores to strong desire action. More absolutist.

# Message from the HOD - Science



*"To me there has never been a higher source of earthly honor or distinction than that connected with advances in science."* - Isaac Newton

A world without science would mean that we would still be living in a very different way than that of what we live in today. Teaching technological literacy, critical thinking and problem solving through science gives students the skills and knowledge they need to succeed in school and beyond. Engaging young students with exciting material

and experiences, motivates them to learn and pursue various sciences, throughout school. GEMS UIS students developed their scientific skills in RLP, through various activities. They improved their investigative skills through research and experiments. Students explored scientific perspectives, through construction of simple models using materials available at home and more sophisticated ones, through Microsoft 3D builder. Reflective learners demonstrated their understanding of lessons through mind-maps, diagrams, multiple intelligence tasks, Frayer's models and spider diagrams. Digital platforms like Padlet helped students to express their creative thoughts and facilitate discussions. As children are growing up in an increasingly technologically and scientifically advanced world, I am happy that the UIS department of science is facilitating our innovative learners to grow by pursuing excellence and become informed citizens of the world.

Best,

**Mrs. Neema Narayanan**

**HOD-Department of Science**

# SCIENCE



## Dissect a Hibiscus Flower



Remove the sepals from the flower



Remove the petals

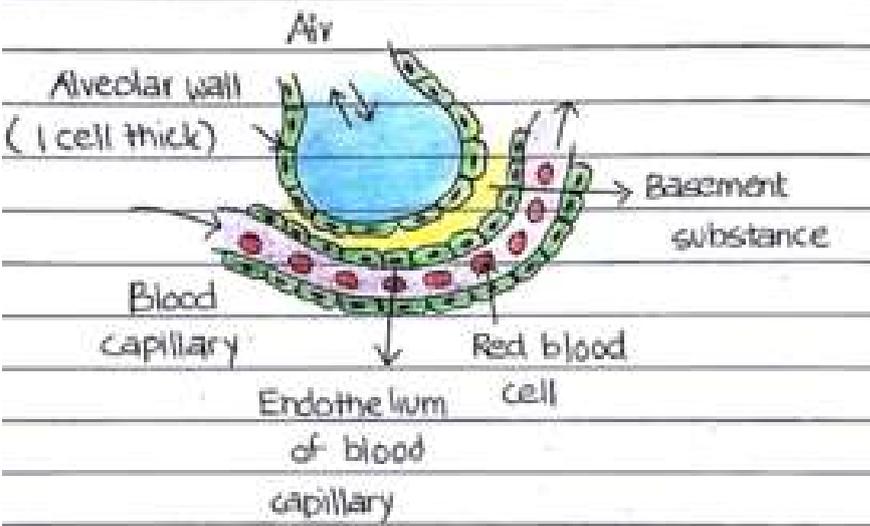


Remove the anther and their stem



Slice the stamens and anther in half with a scalpel





## RECIPE: Metrebridge

From the Kitchen of: GVIS

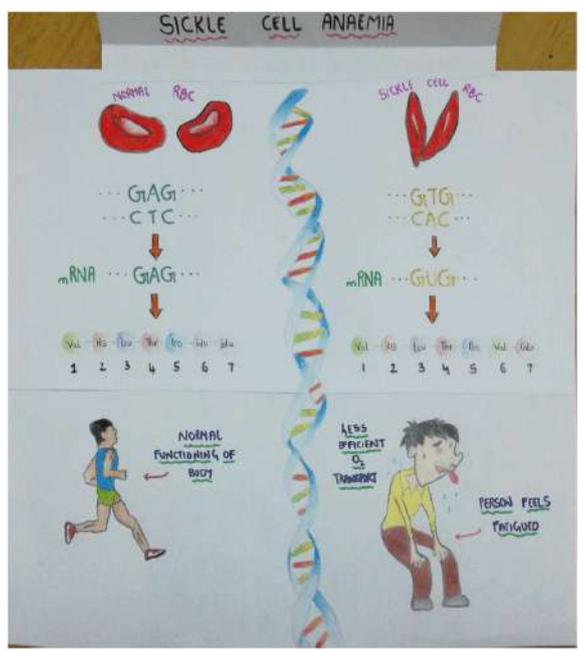
**Ingredients:**

- Resistance box (2 tablespoon)
- Unknown resistance 'x' of 1m (1 teaspoon)
- Galvanometer (5 slices)
- Jockey
- Screw gauge

**Directions:**

- Take suitable resistor from resistance box and add it to a pan.
- Turn heat to medium high and later add the unknown resistance.
- Add the galvanometer in between them and sprinkle some jockey for a tang.
- Make sure the jockey touches metre bridge wire.
- Keep stirring until galvanometer shows null deflection.
- Measure using screw gauge to bring it to room temperature.
- Serve cool. There you have a perfect metre bridge.

RECIPE BY: HARINI SUNDARAM



Physics Student 10-04

## PLENARY: SPIDER WEB

**HEATING EFFECT:** - When electric current passes through an appliance and suitable appliance gets heat as one of heating effect of electric current.

**MINOR HEATING EFFECT:** - Less noticeable - Reducing current.

**EQUATIONS:**

- $W = I^2 R t$
- $H = I^2 R t$
- $H = \frac{V^2 t}{R}$

**POINTE TO REMEMBER:** - Every object offers a resistance of its own.

**SOULE'S LAW:** - Heat produced by heating element is directly proportional to square of (i) passing through the conductor.

**APPLICATION OF ELECTRIC CURRENT:** - Electric room heater, electric fan.

## Structural Isomerism

**LINKAGE:** - Areas in a coordination compound containing coordinate bond is  $M-L$ ,  $M-L_2$ ,  $M-L_3$ ,  $M-L_4$ .

**COORDINATION:** - Arises from the free change of ligands between central metal atom and various number of different metal ions.

**IONISATION:** - Arises when the counter ions in a ligand of the complex is found with the metal because the complex ion.

**SOLVATE:** - Arises when water is present as solvent and donates coordinate bond to the metal.

## Geometric Isomerism

**STEREO ISOMERISM**

**GEOMETRIC ISOMERISM:** - Arises in substituted alkenes due to different spatial positions arrangement of ligands.

- All bond arrangement is opposite to each other - trans.
- Partial bond of these double atoms of the same ligand occupy adjacent position in cis.
- Structural position around double bond.

**OPTICAL ISOMERISM:** - Mirror image that cannot be superimposed.

- trans and cis are enantiomers.
- Optical isomers rotate plane of light.
- Optical isomerism common in chiral carbon compounds with multiple bonds.

# Message from the HOD - English



*"The function of education is to teach one to think intensively and to think critically. Intelligence plus character - that is the goal of true education."* At GUIS, we are committed to delivering a high-quality education and fulfilling our mission, for our learners. Our commitment is to provide an alternative means of education in the form of a Remote Learning Plan. While RLP cannot replicate onsite learning, we teachers can deliver powerful instructions that allow

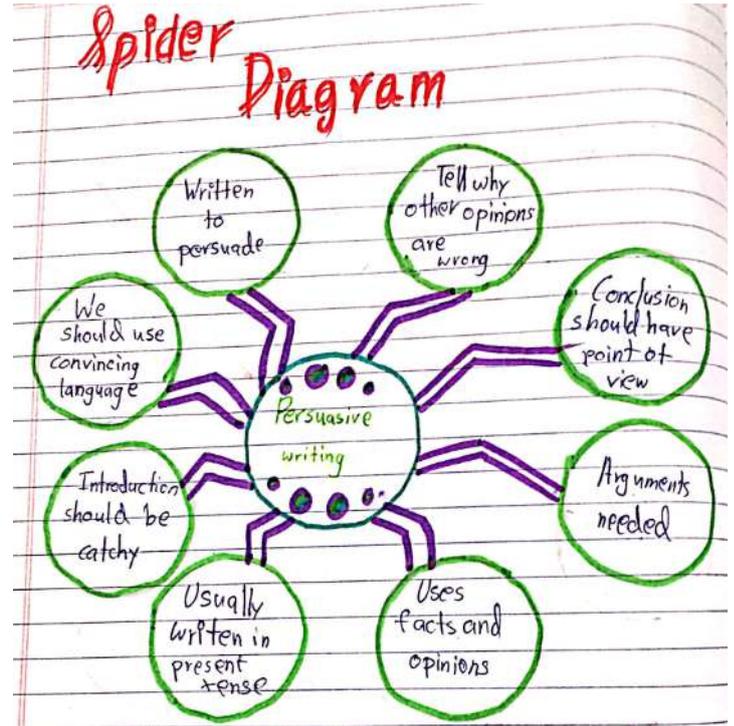
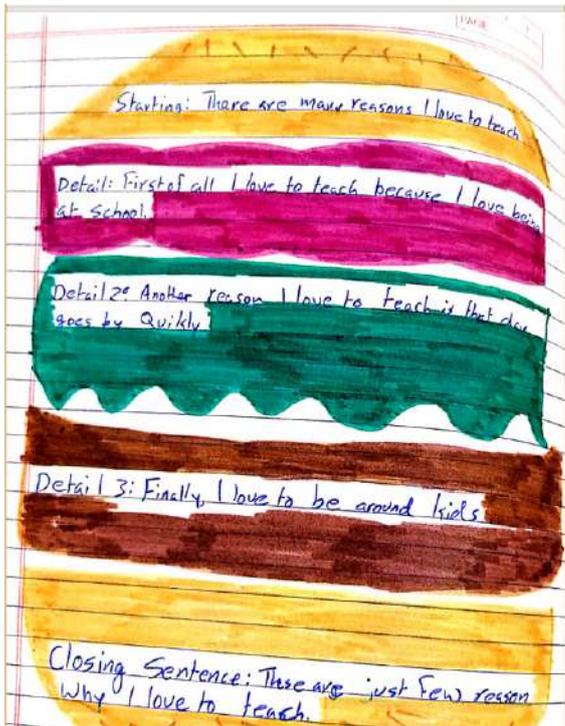
students to meet expected standards, even in an online environment. We teachers will commit to careful planning, maintaining an online presence, and providing regular feedback. Students will need to bring motivation, presence and engagement to each session and subsequent online work. The result of such learning experiences will continue to support students' academic progress and will be mindful to attend to students' social and emotional well-being. Assessment is one of the most challenging adjustments for teachers, new to distance learning, it should be seen as an opportunity for students, individually or collaboratively, to complete writing assignments, design infographics, make video presentations, or complete oral assessments. Thinking differently about assessments, will positively influence the experience for students. We teachers are prepared for this challenge and will work tirelessly to ensure that there is continuity and support from our side. Thanking all students and parents, for all that you did, to make RLP a wonderful experience for us.

Stay safe! Stay healthy!

**Mrs. Jalaja Plazid**

**HOD-Department of English**

# ENGLISH



Heaving	Rising and going down	The whale was heaving.
Quivering	Fed intense sorrow.	She's quivering for her mother.
Painted face	Face with makeup using products.	Look at your painted face!
Tumbling	Falling over and over.	Sam was tumbling all over the floor.
Keening	An old-fashioned way for mourning loudly.	She was keening for her grandpa.
Soaring	Flying or soaring high in the air.	The rocket was soaring into the night sky.
Make you dumb	kill you	I'll make you dumb!!
Kind	Belonging to the same group.	The whale mourned for its kind.

Vocabulary ladder based on the poem SONG OF THE WHALE  
- by Leah Sarah Febin (6 G2)

Research on the author R K NARAYAN  
- by Ronak Nair (6 B1)

R.K. Narayan  
Born - 10 October 1906  
Died - 13 May 2001 (94 years old)  
Occupation - Writer  
Nationality - India



About him -  
Narayan's mentor and friend Graham Greene was instrumental in getting publishers for Narayan's first 4 books, including a famous book called Sword and Friend.

Narayan highlights the social contexts on every day life of his characters. Narayan's short stories have been compared to Guy de Maupassant (another famous writer) because of his ability to compare a narrative.

In a career that spanned over sixty years Narayan received many awards including Padma Vibhushan and Padma Bhushan, Indian second and third civilian awards. He was even nominated to the Rajya Sabha.

\*Date: 24/04/2020

## DESCRIPTIVE WRITING



Always  
my mother,  
Forever  
my friend!

-By: Vedangi Kulkarni, 761

"It wasn't possible for God to be everywhere, so he created mothers". My mom is just the most exquisite person I have ever seen on Earth. Her bright eyes sparkle with a tinge of love and care. My mother and I have a special bonding. We are eternally connected. When I am unable to express my feelings, I force them into myself, but my mother who knows me from head to toe is able to understand me. She consoles me when I am upset, she enlightens my mind when it's filled with darkness, she teaches me to become an introvert and embrace the world. Her eyes are as mesmerizing as a setting sun, her hands are as soft as a pillow and her heart is just as pure as melting gold. My mother has faith in me. In this way, unknowingly, she flickers a torch in my heart. Every minute with her feels cozy, comfortable and soothing, just like the waves of an ocean. Happiness and positive vibes flow into me, when I am with my mom. I love her from the bottom of my heart and I shall always treasure her. There are instances when I feel angry at my mother and I forget all she has done for me to a jiffy. My mother shower blessings and blessings on what makes you stronger and bold to live in this world.

1/20

English

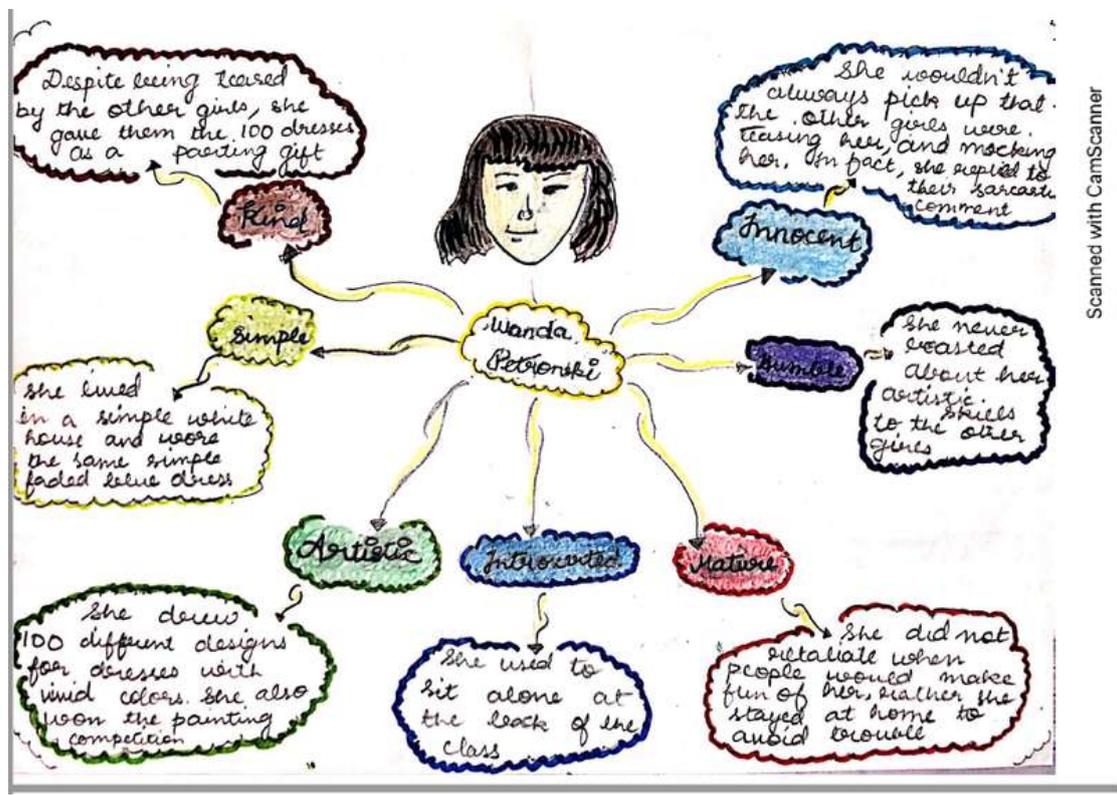
## DESCRIPTIVE PARAGRAPH

g=> To apply knowledge and compose a descriptive paragraph on the family wedding you have attended in 100 words.

TASK - LEVEL 3

### FAMILY WEDDING

Last month, I attended a family wedding. I had gone for shopping the week before and bought a stunning and dazzling dress for me. The weather was pleasant and refreshing. The place was classy and astonishing. Me and my cousin looked really energetic and excited. The bride looked gorgeous and her dress was marvelous. The groom looked admirable and stylish. The atmosphere and sight was splendid. Then we had dinner and it was delicious and yummy. The aroma was heavenly. Overall it was amazing and we all had fun.



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# Message from the HOD - Hindi



*"Education is the most powerful which you can use to change the world" - Nelson Mandela*

This last term was a very different experience for all the teachers and students of Hindi. We began to explore many online teaching applications to help children to understand the concept better and enjoy the learning as well. We used different online learning applications, which helped the children become better at collaboration and individual work.

I am very proud to say that all Hindi teachers are doing their best. I thank the parents for all their support and patience while we try to modify the curriculum to suit the children, especially in the younger age groups. When I see the outcomes in Hindi, I am very proud and look forward to continuing this great work done by my department and my dear students. I hope all of you will enjoy seeing the work samples below and appreciate the smart and tech savvy students who have made it possible.

Best,

**Mrs. Sharmila Sarfraz**

**HOD-Department of Hindi**



# VIRTUAL SKIT PRESENTATION ON DIFFERENT TOPICS



# Message from the HOD - French



“If you are determined to learn, no one can stop you.” In the last term, the French teachers and students have explored the wide range of possibilities that lie in the digital era by using various online tools and websites to assist with their learning. By taking part in online quizzes and games, as well as a virtual reward system, we have been able to effectively maintain our momentum in the learning process, if not fortify it. By participating in and attending several virtual tests and webinars, we have been able to expand our knowledge of the language and rich culture of France.

Over 60 students partook in online international quizzes hosted by esteemed Indian colleges, and some were even able to bag the first and third positions in one such competition, proving their mettle on the global stage. I am truly satisfied with the enthusiastic response of students and their active involvement in the class activities. I would also like to thank the parents who have made this transition to digital learning seamless. Having noticed an improvement in the grades of the students who are learning French as a Second language, I am glad to say that they have truly reaped the fruits of their labour. I hope all of you can appreciate their hard work and creativity in the samples below.

Best,

**Mr. V.N Sugadev**

**HOD-Department of French**

# **Message from the HOD - Malayalam**



As we've just completed the first term of the academic year, 2020-21, we are glad that social distancing, brought the Malayalam department as well as students a variety of new experiences in education and life. The students quickly became familiar with the new ambiance and attended their classes. All lessons taught - including the difficult portions of literature, grammar, and comprehensions taught - were all easily understood by the students, as if they were attending regular classes in school premises.

The students were also equally committed to their online attendance and homework. Though time brought some limitations and fleeting difficulties, the learning process' stepped up, took to a new and technology oriented level. I would like to share, that, whilst the challenges faced by the teachers, students and their parents were enormous, all those made us more competitive and more promising. I am delighted to present this newsletter to shed light on the achievements and activities done by the students this term.

Best,

**Mrs. Sindhu Devdas**

**HOD-Department of Malayalam**



കിരൺ  
10-B3



- പ്രസിദ്ധ കൃതികൾ
- കുറുപ്പും ശിക്ഷയും
  - കരമസോഫ് സഭാവാദങ്ങൾ
  - ഇഡിയറ്റ്
  - ചുരുട്ടലേറൻ

ജനനം:  
നവംബർ 11 1821, ഭോസ്കോ, റഷ്യ



ലോകസാഹിത്യത്തിൽ  
ഇതിഹാസ ചുരുക്കങ്ങൾ  
യെ ഉൾക്കൊണ്ടു നിൽക്കുന്ന  
സാഹിത്യകാരൻ

മനുഷ്യമനസ്സിന്റെ ആഴവും  
പരപ്പും ഇത്രമേൽ അറിഞ്ഞ  
വരറിപ്പിച്ച സാഹിത്യകാരൻ

മരണം:  
9<sup>th</sup> ഫെബ്രുവരി 1881  
തസെൻ പിറ്റേഴ്സ്ബർഗ്



<p>മലയാളഭാഷയിൽ പിന്നാലെ ചിട്ടപ്പെടുത്താൻ രാമായണം തിരിച്ചാട്ടി ലെ ഒരു ഭാഗമാണ് ലക്ഷ്മണസാന്ദ്രനം. ശ്രീരാമൻ പട്ടാഭിഷേകം വ്യക്തിയ തിന്ത് രോഷാകുലനായി പാഞ്ഞ ന്നിയ ലക്ഷ്മണനെ ശ്രീരാമൻ ഈ ലോകത്തിന്റെ നല്ലതെയെടുത്ത് പറഞ്ഞു ബോധ്യപ്പെടുത്തുന്നതാണ് പാഠപുസ്തകം.</p>		<p>പദപുസ്തകം</p> <ul style="list-style-type: none"> <li>• രാമസന്താപ്</li> <li>• ദേഹോഹരം</li> <li>• മോഹഹരിതപി</li> <li>• സന്യാസചരിതം</li> <li>• സന്യാസനാശിനി</li> <li>• മോക്ഷാർത്ഥി</li> <li>• ക്രമം</li> <li>• മൃത്യുഞ്ജയം</li> <li>• മൃത്യുഞ്ജയം</li> </ul>	
<p>നവനങ്ങൾ</p> <ul style="list-style-type: none"> <li>വാനപുത്രൻ - വാനപുത്രന്റെ പുത്രൻ</li> <li>അപായം - പായപുത്രൻ</li> <li>വനിപനപനം - വനിപൻ</li> <li>കാലഹി - കാലഹി</li> </ul>		<p>നവനങ്ങൾ</p> <ul style="list-style-type: none"> <li>നിന്നോളമി - നിന്നോളം</li> <li>ബദിഞ്ഞനം - ബദിഞ്ഞൻ</li> <li>ദേഹാരി - ദേഹാരി</li> <li>ദോപങ്ങൾ - ദോപങ്ങൾ</li> <li>മോക്ഷാർത്ഥി - മോക്ഷാർത്ഥി</li> </ul>	