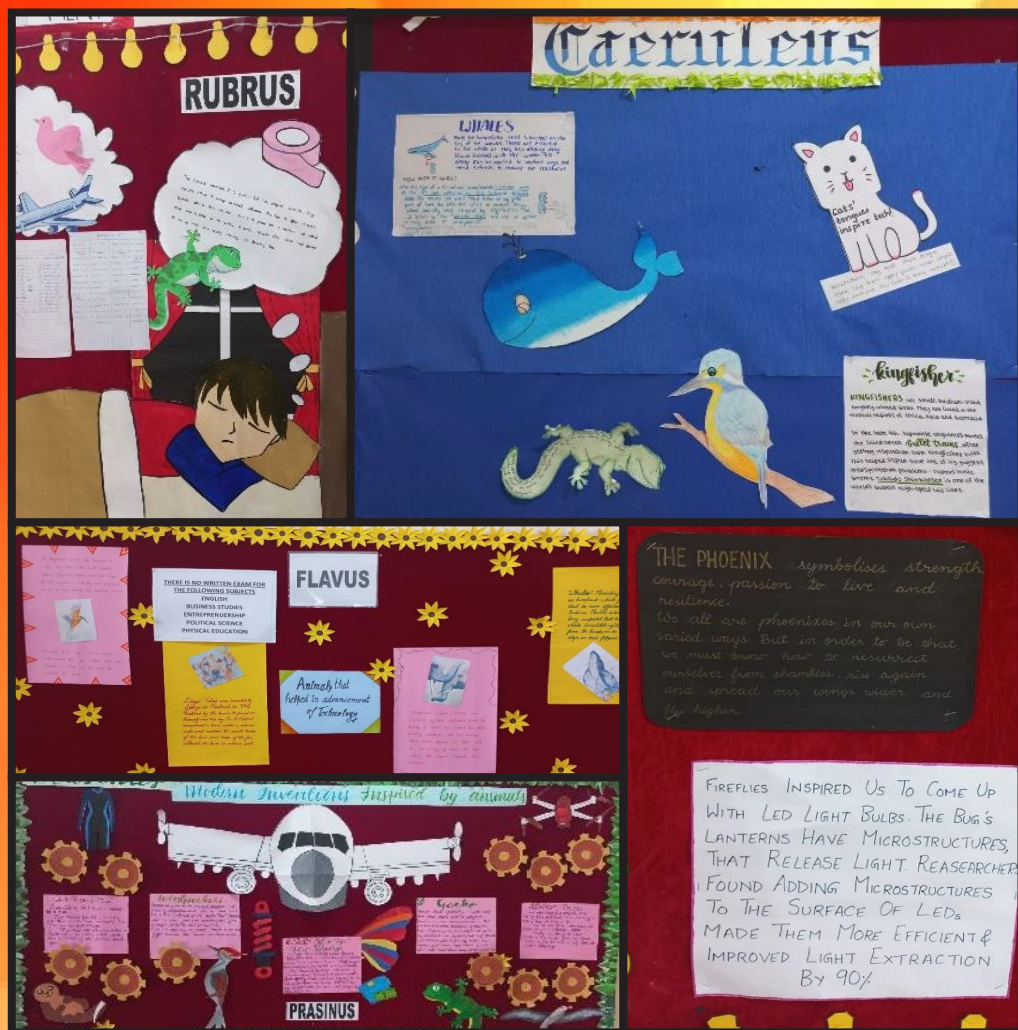


FROM THE EDITOR'S DESK

The vibrance of the offline school, a testimony of our resilient Deenites, is brought to you in this edition. Presenting the newsletter compiled by the young editors of grade 7.

- Ms. Hemlata Pande, Principal, Gunjur Campus

Section 1- Theme of the month Animal Planet- Fauna that inspires us



Welcome voracious readers and animal lovers! In this edition we will learn about the ways animals inspire us. Fantastic ideas can come from the most unexpected places; tiny inspirations from here and there have added up and changed our life considerably. Working on this month's edition helped us learn more about animals and appreciate them. It taught us to respect animals and marvel at the wondrous creations of Mother Nature!

-Srinivasan Sounder Rajan, 7D

1.1-Dolphin's Dance

The ocean sparkles beneath the mid-day sky,
No clouds of grey to be seen,
When all the sudden, a creature leaping high,
Erupts from the blue beneath.
A dolphin it is, its eyes wide with life,
its mouth turned up in a grin,
its smile cheerful, its ecstatic squeal high
as it greets the world it's in.
A natural acrobat,
It jumps and twirls and leaps,
All for the joy of living life,
No second chance it seeks.
How I wish I was like the dolphin,
How I wish I could dance like it,
With not a care or worry in the world,
Just enjoying time as it is.
The dolphin's dance radiates joy,
Pure joy, no less or more,
Something so simple yet so uncommon
In today's very strange world.

- Prisha Patil, 7D

1.2- Butterfly wings that make our future brighter

Nature inspires us every single day. There are plenty of scientific inventions inspired by the fauna around us. Today let me tell you about butterfly wings could make our future brighter. The wings of the rose butterflies have inspired a new type of solar cell that helps harvest twice as much light as before. There are, two types of solar cells, thick ones and thin ones. The thick solar cells are used in solar panels, that are positioned at an angle to get light from the sun as it moves through the sky and are really costly. Thin solar cells are only a nanometre thick and are cheaper and lighter. They are also less efficient, hence, only applied on watches and calculators, instead of solar panels.

A team of researchers, headed by Radwanul Siddique from the California Institute of Technology and Karlsruhe Institute of Technology have improved the efficiency of thin solar cells by copying the architecture of a rose butterfly's wings. *Pachliopta aristolochiae* (also referred to as the rose butterfly) are native to the southeast of Asia, such as the countries of India, Malaysia, the Philippines and Thailand. They have black wings with red spots on them. The wings are covered with scales that not only protect the wings, but also help in absorbing sunlight and turning it into heat. These scales allow the butterfly to capture solar energy over a wide range of angles and wavelengths. Since the butterfly is cold blooded, these black wings enable it to support a high body temperature.

The team headed, by Siddique, studied samples of the rose butterfly wings under an electron microscope and found that the scales covering the wings were pockmarked by holes which were 0.0001 of a millimetre wide. In addition to making the wings lighter, the holes scattered the light, which allowed the butterfly to absorb more of the sun's heat. Amazed by this structure, they created a similar design in their lab using sheets of hydrogenated amorphous silicon sheets within just 10 minutes. Most solar panels are positioned at an angle, which means they generate lots of power for a few hours and then not much the rest of the time. Solar panels using Siddique's technique could produce more power throughout the day.

- Mrinalini Biswas, 5E

1.3 Obscure Miniscule Creatures

There are many animals that have inspired mankind not only by their characteristics but also by their way of living. Tiny, microscopic animals such as the tardigrades prove that size doesn't matter when it comes to achieving big feats such as being an organism that lives in space.

-Srinivasan Sounder Rajan, 7D

1.4-Wind turbines inspired by Humpback Whales

Humpback whales are whales which are found in oceans and seas all over the world. They are easily recognizable by their distinctive body shape with long fins and a knobby head. The fins are lined with tubercles (irregular bumps). Humpback whales show great efficiency, manoeuvrability and speed for their size and shape. These fascinated biologist Frank Fish. He suspected the rugged shape of the fin and tubercles(bumps) on their fins gave them these abilities. This also modified the water flow over the wing-like fins to give them a greater lift and reduce the drag. Fish teamed up with two other scientists from Canada, Stephan Dewar and Philip Watts to create a new generation of fans based on this idea. The blades were lined with 3 dimensional bumps, like a humpback whales' fin.

The blades alter the flow of wind thus greatly improving the aerodynamic performance and quieter operation. It was better than tubercle-less fans (old fashioned fans). Efficiency boosted up by 20%, fatigue loads dropped by 6%-8% and the lifetime of the components were extended by 25%. This equalled to 3 to 6 years of use for a fan blade. Have you ever seen windmills? They look a lot like giant fans. The blades are called turbines. Like the new tubercle-fans, tubercles on the turbines could improve their performance dramatically. Thus, humpback whales inspired a new generation of wind turbine technology which could help us stop our dependence on fossil fuels for energy.

- Sharanyaa Biswas, 5C

1.5 -Different Strokes-



-Sidhant Aravindakshan, 5E



-Srinivasan Sounder Rajan, 7D



Srinivasan S.R

7-D

Section 2- Flower Carpet Making

Pookolam consists of two words - 'Poo' (flowers) and 'Kolam' (decorative pattern or rangoli). This is traditionally made during the festival of Onam. The corridors and hallways of our school came to life with beautiful pookolams (flower carpets), crafted by the little hands of Grade 4.



Section 3- Hindi Diwas

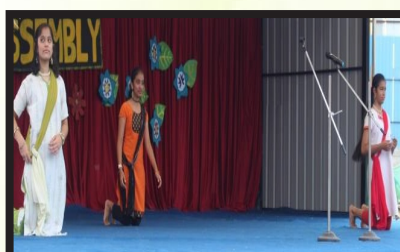
आप रोज़ अपनी मुँह से गिरते हैं
हम हर दिन सीखते हैं आप
हम तुम्हारे साथ बढ़ते हैं
आपको नहीं सीखना है एक पाप

विदेशी लोग हमें आश्चर्य से देखते
वे हमारे शब्दों पर सोचते
वे एक पहेली की तरह समझेंगे
लेकिन वे सफल नहीं होंगे

आइए हम एक साथ खड़े हों
यह भाषा एक रस्सी की तरह है
यह हमें एक साथ बांधे रखेगा
तो हम एक साथ बढ़ेंगे

When the British docked on Indian shores, we thought the British were friendly comrades who just wanted some trading to be done. Little did we know the British had a more sinister plan. We were under their oppression for almost 100 years. However, after our independence, we've risen higher than ever before. We've established an amazing national language- Hindi. This beautiful language is celebrated with great enthusiasm each year on 14th September. The Deenites did so! With singing and dancing, the love and joy for this fascinating language is clearer than a crystal! It was a wonderful event which inspired us to take more interest in the language.

-Prisha Patil, 7D



Section 4- Teacher's Day



Thank You dear teachers for coming to school,
Without you everyone in the world would be a fool.
You teach, you inspire, you ignite our mind,
This world needs a lot of your kind.
You put a smile every day,
Your work is certainly not child's play.
You understand things we cannot,
Even though we always say, "Ma'am I forgot!"
You're the heart of every classroom,
The soul of every school.
The carrier of the message,
Learning is cool.

5th September was a rainy day in Bangalore but all that every young deenite's heart thought of was teacher's day. Nobody cared about the flooded roads or how late they would get to school. All we thought of was all the performances and how fun-filling the day was going to be. We all reached school late because of the clogged roads. The mood was festive, everyone decorated their classrooms and talked in hushed voices. We were all planning for Teacher's Day. The student council had a lot of activities planned. They were all anxious because they had been planning this for the past two weeks. Skipping classes and breaks, doing everything to make it the best. First, we had all the performances. There was drama and dance along with music and the band. There were performances given for our dear teachers by everyone including the aunties. After two hours full of fun and laughter we all rushed into our classes whereas the student council played games with the teachers. We were all full of gratitude for our teachers who had done so much for us. That day while leaving all the teachers had their bags full with cards from the children, their hearts full of love. We were all happy to have made our teachers' day.

- Khyati Malik, 7D



Section 5- Kannada Recitation



The Kannada recitation competition was conducted on 29th August and the objective of this competition was to develop interest in Kannada language and encourage students to learn new poems.

More than 50 students from different Grades (I to V) participated and every participant had to recite their chosen piece of poem, in under 3 minutes, without referring to any text. Poems selected for recitation included 'Shishu geethe', 'Makala geethe', 'Jana pada geethe' etc. Children recited the poems with confidence and learned important presentations skills in the process.

The winners-

Grade I

a) Aditi Nair (I B) – I Place

b) Sharleen Kaur (I D) - II Place

Grade II

a) Prakruthi (II A) – I Place

b) Niharika (II C) – II Place

Grade III

a) Rishabh Burra (III A) – I Place

b) Vandana K. R (III E) – II Place

Grade IV

a) Vedant Bellanki (IV A) – I Place

b) Yashwanth (IV A) – II Place

Grade V

a) Anagha Nair (V A) – I Place

b) Mugdha Banerjee (V B) – II Place

Section 6- Wow Moments In The Classroom!

6.1- Grade 6- Social Science-



The children of grade 6 participated in an interesting activity based on the chapter, "Early Humans-hunters and gatherers", wherein children could either choose to make stone tools used by the early humans or draw cave paintings. This activity, under the guidance of the teacher, Ms. Shivangi Dey, enabled students to travel back in time and realize how further we humans have come today!



6.2- Chemistry- Model Making And Laboratory Explorations

Model making is an interesting and hands on method of learning. It aids problem solving, exploration of new materials, deeper research and understanding of concepts. Teachers of Grade 7, Ishani and Nidhi Kumari got their students to build 3D models of atoms while ensuring the materials used were recycled best out of waste.



Section 7- The Deens Academy Choir-festival Of Harmony



On the 17th of September 2022, the Deens Academy choir displayed such a breath-taking performance, that even Jesus seemed to be listening from the heavens. This was at the 30th annual Festival of Harmony, a gospel (Christian) music festival organised by Glorious Choir. It was a much-needed break from the gruelling exams, for both the choir and our friends, who watched the live stream with great enthusiasm.

The concert was not an easy venture. We had to go through endless rehearsals, faced multiple setbacks and nearly everyone in the choir was worrying their head off over this event. But with practice, hard work and dedication, we managed to nail it at the event. We performed a trinity of carefully picked songs at the festival, from goosebump-inducing ballad to a song that could keep you dancing all night. The choir looked ready to rock in their smart silver tops. Whether at the venue singing our hearts out, or at home, taking a small break from the monotone of studies to watch the performance on the laptop, the ten minutes of our performance were probably the happiest ten minutes anyone experienced during the exam season. Even now, the songs from the event are stuck in my head and singing them to myself is a sure way to lift my spirits at any point of time-

-Shaili Dutta-Deens Academy Choir



Students of Grade 6 on the other hand, explored different substances. The chemistry lab was a hub for curious minds, engaged in performing tests for identifying sugars, fats, proteins and starch in each sample.

Section 8- Kideens – Our tiny tots at work!

8.1- LKG special assembly-Dussehra



8.2- life is all about balance!

Our tiny tots from LKG had an engaging time with a “Physical balance” activity, where they learnt concept of heavy and light using a physical balance, with their teacher, Ms. Thilagam.



8.3-Assembly -LKG B-Our moment of glory!

Aafiya of LKG B took the lead in presiding over the assembly. Aarvi, Reyansh and Sahana sang beautiful rhymes. Yug surprised everyone by asking a quiz. We never have a boring day at school!



8.4- Playgroup-Role Play and Dussehra Decoration

Our Playgroup babies enjoyed the role play based on the rhyme, five little ducks and they participated in the festivities by decorating a Dussehra elephant.



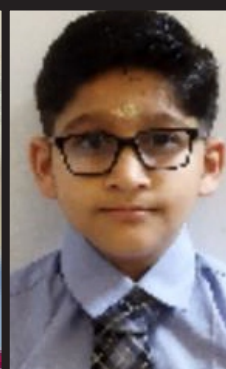
Here's hoping everyone had a very happy Dussehra! Our best wishes to you all for the festivities ahead!



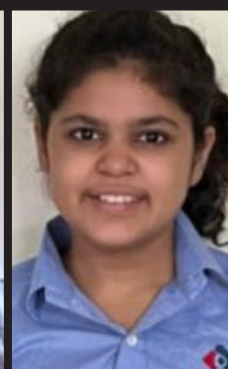
Hands and Minds that Worked Together



Prisha Patil



Srinivasan
Sounder Rajan



Khyati Malik



Mentor Teacher
Chandan Shenoy