

Issue  
15

**TLC**  
**gurukul**  
TRUTH • LOVE • COMPASSION  
TEACHING | LEARNING | CARE



**RBK**  
EDUCATIONAL  
INSTITUTIONS  
REACH BEYOND  
KNOWING  
Mumbai | Gujarat

OCT-NOV  
2021

Supported by **RBK Educational Institutions**

**Jyoti park, Gada Patiya, Bhuj\_kukma Road, Bhuj-Kutch. Mob.: 99790 60498**  
**WWW.tlcgurukul.org**

**TLC**  
**gurukul**  
TRUTH • LOVE • COMPASSION  
TEACHING | LEARNING | CARE



**ADMISSION OPEN-2021**

OCT-NOV-2021

**FOR NURSERY TO IX**  
CBSE PATTERN  
ENGLISH MEDIUM DAY SCHOOL  
ENGLISH MEDIUM REGULAR SCHOOL

- English enrichment sessions
- Educational Tour
- Monitoring through CCTV
- Regular Cultural Activities on Festivals
- Indoor/Outdoor/Educational/Art Activities
- Experienced Teachers
- Transportation Facility
- Genuine Fee Structure
- Smart Class

**Contact: 99790 60498**

[www.tlcgurukul.org](http://www.tlcgurukul.org) | Email: [admin@tlcgurukul.org](mailto:admin@tlcgurukul.org)  
Jyoti park, Ghada patiya, Bhuj-Kukma Road, Bhuj-Kutch.  
Managed By: Viable Education Foundation





On the occasion of Navratri, TLC Gurukul Bhuj celebrated Navratri ON 8. 10.21, with great spirit. The event was anchored by Madhav and Jayna from Std 6. The celebration started at 10 and ended at 12.30 pm. It was well attended by all enthusiastic students, teachers and staff members in a traditional attire. The event appeared colourful with teachers joining students in their dance.

School also conducted Garba decoration competition from grade 1 to 9.



## Diwali Celebration



The festival of lights was celebrated with full excitement and vibrantly by TLC GURUKUL Bhuj in the school premises on 31st October 2021. The school organized Rangoli making competition in the school on the same day for std 6 to 9. Students showcased their creativity and talent in a vibrant and unique way. The theme of Rangoli making competition was Science and agriculture.



Happy Diwali





## MATHS IN NATURE

### The Fibonacci Sequence:

What's remarkable is that **the numbers in the sequence are often seen in nature.**

A few examples include the number of spirals in a pine cone, pineapple or seeds in a sunflower, or the number of petals on a flower.



### Fractals in Nature:

Fractals are another intriguing mathematical shape that we see in nature. A fractal is a self-similar, repeating shape, meaning the same basic shape is seen again and again in the shape itself.

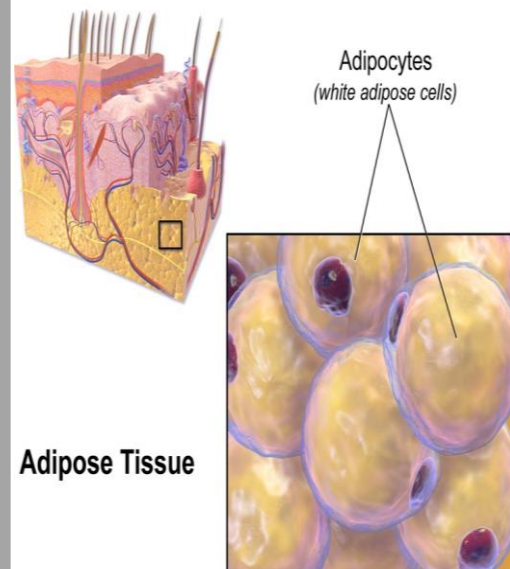
Fractals make up many aspects of our world, including the leaves of ferns, tree branches, the branching of neurons in our brain, and coastlines.



## SCIENCE

### Scarring Could Be Prevented By Converting Cells From One Form to Another

Early last year it was announced that researchers may have made a huge breakthrough in healing wounds. They may have found a way of 'hacking' tissue within the wound to regenerate skin without leaving scar tissue. Doctors from the Perelman School of Medicine, University of Pennsylvania, the Plikus Laboratory for Developmental and Regenerative Biology at the University of California, Irvine collaborated for years and finally published their findings in January of 2017. They **found a method to converting myofibroblasts (a common healing cell in wounds) to fat cells** - this was once thought impossible. Whilst myofibroblasts are essential for healing, they are also a critical element in the formation of scar tissue. Scars are usually formed, in part, due to a loss of subcutaneous fat cells called adipocytes. If then the myofibroblasts could in some way be converted into fat cells, scarring would be less pronounced if visible at all. George Cotsarelis, the principal investigator of the project and chair of the Department of Dermatology and the Milton Bixler Hartzell Professor of Dermatology at Penn explains: - "Essentially, we can manipulate wound healing so that it leads to skin regeneration rather than scarring." "The secret is to regenerate hair follicles first. After that, the fat will regenerate in response to the signals from those follicles." - George continued. The signals, they found, appeared to be a special type of protein called Bone Morphogenetic Protein (BMP). "Typically, myofibroblasts were thought to be incapable of becoming a different type of cell," Cotsarelis said. "But our work shows we have the ability to influence these cells, and that they can be efficiently and stably converted into adipocytes." - explained George. This research can have other applications for diseases as well as **slowing down the aging process** - specifically preventing wrinkle formation.



Adipose Tissue



विषय सकल विहाय, भक्तिदात्री नमामि।

तव चरितगुण गानैः, सार्थकं सर्व सिद्धिः॥

तव चरणरज प्रसादात्, अन्धकारेऽपि तेजः।

जननी तव हि भक्त्याः, पाहिमां माँ भवानी ॥२॥

अर्थात् :- सभी प्रकार के विषयों को छोड़कर, हे! भक्तिदात्री हम आपको नमस्कार करते हैं।

आपके चरित-गुण गानसे ही, सर्व सिद्धियाँ सार्थक हो जाती हैं।

आपके चरणरज प्रसादसे ही, अन्धकार में भी तेजः प्रकाशित हो जाता है।

हे जननी हम भक्त आप हि की शरण में हैं, आप हमारी रक्षा कर हम पर कृपा करें॥२॥

HARSH BHATT  
Sanskrit Teacher  
TLC-GURUKUL

## WORKSHOP FOR TEACHERS

### DAY-1:

TRAINER: MR. VISHAL ZAVERI

DATE: 18/11/2021

TOPIC: MS.WORD

MR.Vishal Zaveri taught the teachers about the use of MS.Word in detail. He explored each and every tool and menu. He taught us about the use of word to make exam papers and other official works. Training was informative, practical and also assessment was also done by him.

### DAY-2 :

TRAINER: DR.PALLAVI SHAH

DATE: 19/11/2021

TOPIC: CHILD PSYCHOLOGY

Dr. Pallavi Shah introduce herself and then she gave us information a child as a center of education and also about the role of a teacher in a student's life. Her training was live and demonstrative. Teachers were participant in the training. She took one Blind fold activity, Movie and Act based on different situations. Through these activities teachers were taught about childs psychology.



# Blue Day Celebration

BLUE is a cool and calming color that shows creativity and intelligence. On 25th November 2021 Kids of Pre-Primary Section celebrated Blue Day. It was all blue everywhere. Kids are always very excited and are full of enthusiasm for celebrations. They love to dress themselves in different coloured dress and this time they were dressed in Blue. They painted all there hands with blue coloured and made a wonderful tree with earbuds. Kids enjoy doing different activities and they also clicked themselves with blue tree.

