

DECEMBER

2021-22

NEW WAYS OF LEARNING

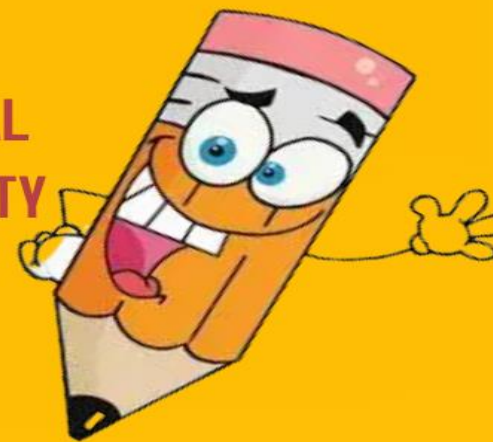
$$2+2=4$$



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PURPLE DAY CELEBRATION



Colours always fascinate us. It enlivens our environment and is an integral part of our life.

Purple Day was celebrated in Pre -Primary section on 17 December 2021 at TLC Gurukul School to bring awareness and how colours add beauty to things around us. Purple colour represents the future, the imagination and dreams, spiritually calming the emotions. The activity (making a Octopus) was thoroughly enjoyed by our little ones.

Tiny toddlers were beautifully dressed in Purple. It was a pleasant and lovely day for these tiny tots.

It was a special and colourful day for the youngsters. They also brought many purple coloured objects-toys, fruits, vegetables etc. Colour recognition was done by displaying these items and encouraging children to speak a few sentences on each object. Children took part with great enthusiasm in art and craft activities related to purple colour, thus reinforcing the concept of purple colour.

Painting activities and colouring worksheets helped children to explore their creativity.

SANSKRIT SHLOKA RECITATION COMPETITION



On 7. 12. 21, TLC GURUKUL BHUJ, celebrated Sanskrit shloka recitation competition for std 1-5 and Sanskrit skit for std 6-8. The students were of the lower primary were asked to recite a shloka from GEETA. Students participated with great interest and recited the shlokas with proper pronunciation and voice modulation and also explained the meaning of it.

The class wise skit competition was entertaining. Each class 6,7,8 had a topic for the skit named gunagya, abhayah, prasannah respectively and conveyed a moral message that “the students who do there duties with prassana (happiness), gunagya (qualities) and abhaya(without fear), succeed in their life.

RESULT

POSITION	NAME	GRADE
I	CHAITANYA	V
II	MAITRI	V
III	PARIKSHIT	IV

SANSKRIT SKIT COMPETITION

WINNER CLASS: STD 8

PARTICIPANTS: ADITI, URDHVI, PARTH, KAVYA AND PRANAV

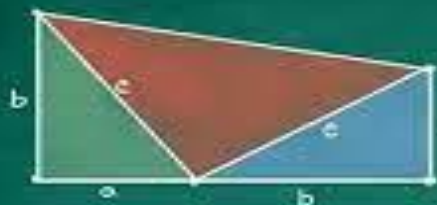
M

a

t

h

s



$$\frac{1}{2}(a^2 + 2ab + b^2) = ab + \frac{1}{2}c^2$$

Multiply both sides by 2 to get rid of the $\frac{1}{2}$:
 $(a^2 + 2ab + b^2) = 2ab + c^2$

Subtract out the $2ab$: $a^2 + b^2 = c^2$.

$$\text{so, } a^2 + b^2 = c^2$$

The *Pythagorean Theorem* is a statement in geometry that shows the relationship between the lengths of the sides of a right triangle – a triangle with one 90-degree angle. The right triangle equation is $a^2 + b^2 = c^2$. Being able to find the length of a side, given the lengths of the two other sides makes the Pythagorean Theorem a useful technique for construction and navigation.

Architecture and Construction

Given two straight lines, the Pythagorean Theorem allows you to calculate the length of the diagonal connecting them. This application is frequently used in architecture, woodworking, or other physical construction

projects. For instance, say you are building a sloped roof. If you know the height of the roof and the length for it to cover, you can use the Pythagorean Theorem to find the diagonal length of the roof's slope. You can use this information to cut properly sized beams to support the roof, or calculate the area of the roof that you would need to shingle.

Surveying

Surveying is the process by which cartographers calculate the numerical distances and heights between different points before creating a map. Because terrain is often uneven, surveyors must find ways to take measurements of distance in a systematic way. The Pythagorean Theorem is used to calculate the steepness of slopes of hills or mountains. A surveyor looks through a telescope toward a measuring stick a fixed distance away, so that the telescope's line of sight and the measuring stick form a right angle. Since the surveyor knows both the height of the measuring stick and the horizontal distance of the stick from the telescope, he can then use the theorem to find the length of the slope that covers that distance, and from that length, determine how steep it is.



Periodic table of the elements

group	1*	2											13	14	15	16	17	18
1	H																	He
2	Li	Be											B	C	N	O	F	Ne
3	Na	Mg											Al	Si	P	S	Cl	Ar
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
6	Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
7	Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og
lanthanoid series	6	58	59	60	61	62	63	64	65	66	67	68	69	70	71			
		Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu			
actinoid series	7	90	91	92	93	94	95	96	97	98	99	100	101	102	103			
		Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr			

*Numbering system adopted by the International Union of Pure and Applied Chemistry (IUPAC).

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Periodic Table

Students often find this topic very dull. However, if you can help them understand the beauty and significance of this periodic table, it can be an amazing topic.

To really understand how Mendeleev could predict the existence of various elements even before they were discovered, is mind-boggling! The periodic table is such a perfect table that explains how the elements are arranged in a well-structured manner in nature. This topic can be turned into a very interesting topic but a bit of effort and some out-of-the-box thinking may be required.

SPORTS DAY CELEBRATION



The annual sports day was celebrated on 22nd December. It was held at the school ground. The chief Guest was Mr. Ghanshyam Joshi, Chairman of Viable Associates. The programme started with Olympic torch lighting by Principal Sir. The list of events included lemon spoon race, frog race, ball collection race, sack race etc. Track events included 50 m, 100 m as well as three legged races. The Musical chair event was enthusiastically enjoyed by the audiences as well as the participants. The tug of war event of Separate category (boys & girls) was a splendid performance of teamwork. All the participants came up with flying colours and accepted boldly their defeat as well as celebrated with pride their success. The Tug of war between teachers and parents was a mesmerizing fun where the latter team won. The prize distribution ceremony encouraged students to keep on demonstrating their sportsmanship whenever they get the opportunity. The programme ended with vote of thanks followed by National Anthem. It was an unforgettable event in the history of TLC Gurukul.



TLC Gurukul Bhuj celebrated the Christmas occasion with a great spirit. The school premise was beautifully decorated with Christmas hangings. A Christmas tree full of lamps and flowers was placed there. The programme started with English speech by Jahnavi of std 6 followed by Christmas carol sung by students of std 6 to 8. A wonderful dance performance was presented by students of std 1 to 5 followed by Hindi speech by Jayna std 6. All children were excited and joyous by the entry of Santa (MR. Dirghayu Buch). A short and sweet dance with santa was enjoyed by all the students. The programme ended with gift distribution to students by santa followed by National Anthem. The whole event was smoothly anchored by Parth std 8th and Vishwaraj std 7th.