



St. Ursula Girls' High School & Jr. College, Nagpur
E-Calendar
Session 2020-2021

"Trust in the Lord with all your heart and lean not on your own understanding; in all your ways submit to him, and he will make your paths straight."
Proverbs 3:5-6



THE URSULA SPECTRUM

ARISE SHINE

Algorithm- Maths Fest

Foreword by Head of Department of Mathematics

"I am afraid of numbers", "Mathematics is not my cup of tea", These are a few common dialogues we often hear not only from the students but grown up professionals too. Mathematics seems to be like a nightmare to most of the students!!

I have often heard school students praying hard for getting just passing marks in this subject. Students have a fear of mathematics and they tend to avoid the subject, which seems to be a hurdle for them in school days. This Math Phobia affects the students considerably and it magnifies during examination time, especially when it comes to Boards.

WHY THE FEAR OF MATHEMATICS?

Mathematics is a subject that is necessary for all the people across the globe throughout the life like when we travel, work, keep accounts of our expenses n so on.

Unfortunately, a lot of students feel stressed out and face anxiety when they have to deal with the subject. So, is this struggle to perceive the subject means, a student is bad at Mathematics? No, certainly not. Students shall not be conveyed that they are not good at math. Actually, it is just that some students have less thinking and analytical skills that are necessary to become a Math champion. A student can surely improve his/her performance with regular practice and hard work. Fear can always be overrun.

LACK OF HANDLING THE PRESSURE

One of the common reasons why students are scared of Mathematics and why they fail in the subject is because of peer pressure which they fail to handle. They doubt their abilities and are unable to cope up with the pressure. Once a student starts doubting his abilities he/she is not able to recover from it without proper guidance and counselling and this hampers his performance in the Subject.

LACK OF UNDERSTANDING OF SIGNS AND SYMBOLS

Mathematics is a subject which involves a lot of signs, symbols and formulas and it becomes tricky for many students to retain and memorize them. Many students who are average in Studies become confused due to so many signs and symbols that are a part and parcel of Mathematics. They are unable to use them properly to solve problems and equations and as a result get low grades in the subject. This gives birth to a sense of fear in the student that he/she will not get good marks and will not be able to perform well.

This as a result escalates Mathematics Phobia among the students.

These are the reasons due to which the fear of Mathematics accelerates in the students. Whenever the thought of studying Math comes in the minds of these students, they are surrounded by fear and anxiety. Are there ways by which the fear of mathematics can be conquered? Are there any means or methods through which the fear can be minimized? The performance of a student is directly proportional to his phobia for Math. Lower the performance in the subject, higher is the level of phobia and better performance reduces the intensity of fear. But if students consistently work on a daily basis to improve their performance and to overcome their fear they can definitely do so.

Following are some ways through which fear of Mathematics can be reduced:

DEVELOPMENT OF CONFIDENCE

Confidence is such a factor that can play a very important role in the development or reduction of Mathematics anxiety or fear. Parents and teachers should help the students who are scared of mathematics in boosting their confidence and motivating them that they can perform well in the subject. Parents and teachers must try to imbibe the spirit of confidence and make students understand that they can surely perform well in Maths.

STRENGTHENING THE BASIC SKILLS

It is always said that a strong foundation leads to a strong building. Similarly if the work is done on building and strengthening the basics of Mathematics Skills in a student then, the probability of development of fear for Math will be reduced. So if students become fluent in basic concepts and skills of the subject and revise them on a regular basis then they will be able to adapt to the higher-level concepts easily and the fear for Math will not haunt the students.

APPROPRIATE GUIDANCE

Appropriate guidance by the teachers play a vital role in the understanding of Mathematics. Whenever a child is stuck in some problem or in studies they seek help from their parents and proper guidance by them will improve the learning abilities of a child and his performance as well. Parents shall be positive in their approach and guide their children in such a manner that the child changes his perspective and aptitude for Mathematics. Parents shall guide the children that a regular practice on a daily basis on the concepts of the subject and working constantly on the weak areas can help them to a great extent.

MAKING MATH EXCITING AND CREATIVE

Although, Math is known as one of the difficult subjects among the students if the subject is made exciting and creative for the children, they will tend to learn more and fear less.

The Basics of Mathematics doesn't change and it remains the same always, it is just that we have to learn the most exciting and creative ways to solve problems and questions in such a way that the concepts and methods last in our memory for a longer period of time.

Students see Mathematics as one of the toughest subjects and most students are scared of it. But if students see it with a positive approach and their teachers and parents guide them in different ways, then the students can overcome this Math fear. The students will be able to learn its concepts and theories with ease and comfort. Students can struggle with the subject all the time and just drag themselves for passing marks or instead can work hard in the correct direction and pull themselves out of the mire.

The well qualified Mathematics Department of Ursula have been working hard to overcome the phobia from the young minds using various ways of creating interest in the subject by involving students in different activities like Mathematical model making, Quiz to name a few.

The challenge of removing the phobia of the subject and making Mathematics as one of the students favorite subject is not easy but the department of Mathematics seeks to do so with a team of dedicated teachers and with the able guidance and support of our Principal Madam Rachna singh and the administrative staff .One of the many initiatives is the formation of Mathematics club, "MATHMAGICIANS", through which we at Ursula dream to make mathematics teaching and learning stress free and enjoyable and the students will be able to discover the magic of mathematics and become Mathmagicians



Mr. Vishal V. Peter
High School HOD

FOREWORD



Dear readers,
Mathematics includes the study of such topics as quantity, structure, space, and change. It is the science or study of numbers, quantities or shapes. Mathematics provides an effective way of building mental discipline and encourages logical reasoning and mental rigor. In addition, mathematical knowledge plays a crucial role in understanding the contents of other school subjects such as science, social studies, and even music and art. Mathematics helps us have better problem-solving skills. It helps us think analytically and have better reasoning abilities. We often observe that students have a phobia, in general, when it comes to Maths which leads to them not being able to solve mathematical problems. In order to tackle this fear, we as teachers need to ensure that its learning process is made as easy and as interesting as possible.

Mrs. Aparna Fating
Middle School HOD

Mathematics Department



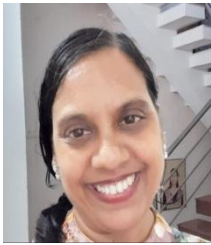
Mrs. Rajashree Bhingardive
Senior HOD



Mr. Vishal Peter
High School HOD



Mrs. Aparna Fating
Middle School HOD



Ms. Monika Patale



Mrs. Lata Palaskar



Mrs. Prashansa Dlima



Mrs. Rajeshwari Dalal



Mrs. Kritika Lanjewar



Mrs. Shilpa Patil



Mrs. Ciba Thorat



Mrs. Gloria Malgewar



Mrs. Silvia Benjamin



Mrs. Rupali Somkuwar



Mrs. Malini Thorat



Mrs. Alina Jacob



Mrs. Lipika Bawankule

Celebrating CNI Golden Jubilee



CELEBRATING 50 YEARS OF UNITED JOURNEY
OF UNITED AND UNITING CHURCH OF NORTH INDIA



The concern for unity of the Church grew out of a zeal for the mission of the Church, because a divided Church could not bear witness to the one Gospel and the one Lord in a country like India with diverse religions, languages, races and cultures.

Through the process of negotiations and prayerful seeking of the guidance of Holy Spirit unity was achieved in the understanding and practice of the sacraments of Baptism and the Lord's Supper, the three-fold ministry of Bishops, Presbyters and Deacons and in the organisational structures of Pastorates, Dioceses and the Synod.

Episcopacy was received and accepted as both *constitutional* and *historic*.

With the union of the six uniting churches the Church of North India was born on 29th November 1970. Today on 29th November 2020 we celebrate the 50 years of united journey of our church THE CHURCH OF NORTH INDIA.

Wishing each and every member of the Church of North India

A Very Happy 50th CNI Day



With Best Wishes & Blessings
The Most Rev. Dr. P. C. Singh
Moderator, CNI Synod
& Family



29th November 1970 – 29th November 2020



The conviction/ intension / statement of the six uniting churches is very well defined in the IV plan of the Church Union – 1965 which is the beauty of our Church of North India.

"We do not desire that any one Church shall absorb other churches, nor that one tradition shall be imposed upon all; but rather that each church shall bring the true riches of its inheritance into the united church to which we look forward. We intend that it shall be a church which, while holding to the fundamental Faith and Order of the Universal Church, shall assure to its members freedom of opinion in all other matters, and also freedom of action in such varieties of practice as are consistent with the life of the church as one organic body."

Plan of the Church Union, (Page X)

Today while we celebrate the Golden Jubilee of the CNI we wish each and every member of the Church of North India A VERY HAPPY CNI DAY.

May God continue to bless all of us, especially the Church of North India.



Suresh C. Jacob
Member
Synod Executive Committee



Shitij Cyril Jacob
Secretary
Law & Procedure Committee, CNI Synod



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चित्रकथा



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सच्चे कवि राज्य के संरक्षक होता है। वे मानव जाति के
युग विश्वक हे। यह कथन पूरी तरह राष्ट्र कवि रामधारी
सिंह 'लिकर' पर खरा होता है। आपिका से लेकर आज
कहिनी साहित्य के क्षेत्र में अनेक कवि हुए हैं। कोही किसी
कम नहीं। सूरदास यदि सूर्य समान हैं तो गोस्वामी
लसीदास चन्द्र समान हैं।

जिसने ने कबी की प्रशंसा की है वो किसी ने आपसी की
 जिनका नेकरी व्यक्तित्व प्रशंसा है। मेरे लिए राष्ट्रवादी
 विपरीत राष्ट्रवादी हिंसा 'हिंसा' से बढ़कर अन्य किसी का
 विपरीत विरोध महत्त्व नहीं है। इसका प्रमाणार्थ प्रमाण मेरी
 है मे यह महत्त्व अपेक्षित किया जा सकता है कि
 प्रमाणार्थ मेरे प्रमाणों का गायन करने वाला उन जैसा
 जोई कोविन नों प्रमाण तक कोई हुआ है और न ही
 प्रमाणार्थ मेरे प्रमाणों का गायन करने वाला उन जैसा
 प्रमाणार्थ मेरे प्रमाणों का गायन करने वाला उन जैसा

मक आलोचक के अनुसार उदात्त मानवीय पौंशष ,
रनीय यौवन मवं राष्ट्रीय जन-भावनाओं के अमर
क राष्ट्रकवि 'दिनकर' ही है। अपनी ओजस्विता

हिन्दी, अंग्रेजी के साथ-साथ दिनकर ने संस्कृत, उर्दू, बंगाली आदि भाषाओं का भी व्यापक अध्ययन किया। भारतीय युवकों की हर प्रकार की चेष्टनाओं का अपनी किताबों में प्रतिनिधित्व करते हुए उन्हें साहज ही देखा-पखा जा सकता है।

जहाँ तक विभिन्न प्रकार के प्रभावों का प्रश्न है, उन्हीं के
इकठाला बँटाना के स्थान पर, अंग्रेजों के मिलने की दिशा में
आगे शक्ति का इन पर विशेष प्रभाव माना जाता है।
पहले क्रांतिकारी, फिर शांतिवादी और दार्शनिक बन गये
पर क्रांतिकी भावना ने मरे इन कवि का साथ साथ आत्म
से अन्त तक अंग्रेजों को छोड़ा। तभी तो अपने आप
का इन्होंने 'मक बुद्ध गाँधीवादी' के तुरन्त कहा है।

मेरा यह प्रिय कवि गाँधी हो जाने के बाद भी ईश्वर का जवाब पत्थर से देन पर ही विश्वास करता था। एक रापड़ खाने के बाद दूसरा गाल आगे कर देवाली गाँधीवादी नीतियों पर मेरे इस प्रिय कवि के

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गुरु: सीद्धान्त परब्रह्म
तस्मै नमः श्रीगुरुवे नमः ॥

भारतीय संस्कृति में गुरु का स्थान ईश्वर से भी ऊपर माना जाता है, और जीवन विकास लिप्त भारतीय संस्कृति में गुरु को महत्वपूर्ण भूमिका मानी गई है। गुरु का स्थान बहुत ऊँचा और आदर का स्थान है, गुरु को ब्रह्मा विष्णु, महेश के समान समझ कर, सम्मान करने की पद्धति पुरातन से ही चली आ रही है। प्राचीन काल से ही हमने देखा है कि गुरु के महत्व की समझा जाता था पहले के जमाने में गुरु अपने ब्राह्मण में अपने शिष्यों की शिक्षा देते थे लेकिन प्राचीन काल से सभी तक बड़ा सार बदलाव आया है, अब गुरु ब्राह्मण से स्कूल - कॉलेज बन चुके हैं, आज के हर हाऊ नवयुवक को गुरु के महत्व को समझना चाहिए और गुरु का बड़ा ही आदर करना चाहिए।

गुरु का जीवन में ईना विशेष मायने

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हिंदी, अंग्रेजी के साथ-साथ दिनकर ने संस्कृत, उर्दू, बंगाली साथ भाषाओं का भी व्यापक अध्ययन किया। भारतीय युवकों की हर प्रकार की चेतनाओं का काफी जकित भी प्रतिनिधित्व करते हुए उन्हें साहज ही देखा-पड़ता ही मकता है।

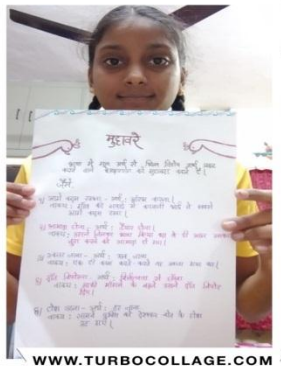
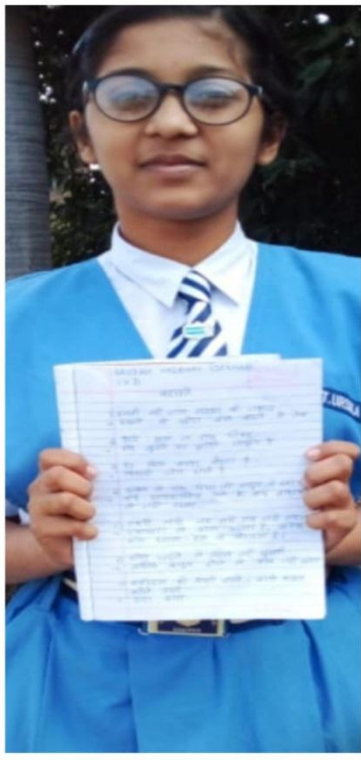
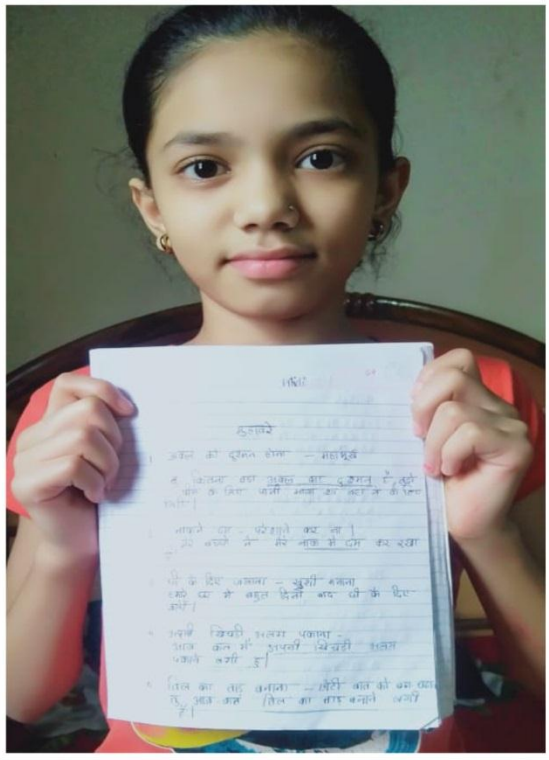
जहाँ तक विशिष्ट प्रकार के प्रभावों का प्रश्न है, उर्दू के इकबाल, बंगाल के रवीन्द्र, अंग्रेजी के मिल्टन, कीट्स और शेली का इन पर विशेष प्रभाव माना जाता है। पहले कालिकाशी, फिर गाँधीवाद और दार्शनिक ब्रह्मसूत्र पर ज्ञानि की भावना ने मेरे इस कवि का साथ साथ-साथ से मूल तक अभी नहीं छोड़ा। नम्रों को अपने साथ का इन्होंने 'तक बुरा गाँधीवादी है। ऐसा कहा है।

मेरा यह प्रिय कवि गाँधी ही जाने के बाद भी ईट का जवाब पत्थर से देने पर ही विस्मय कला का एक शब्द छाने के बाद दूसरा गाल आगे कर देने वाली गाँधीवादी नीतियों पर मेरे इस प्रिय कवि का

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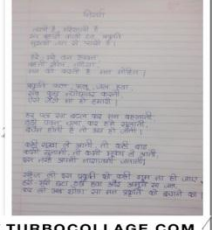
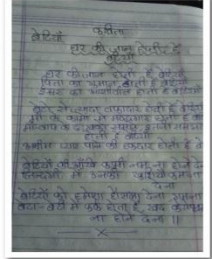
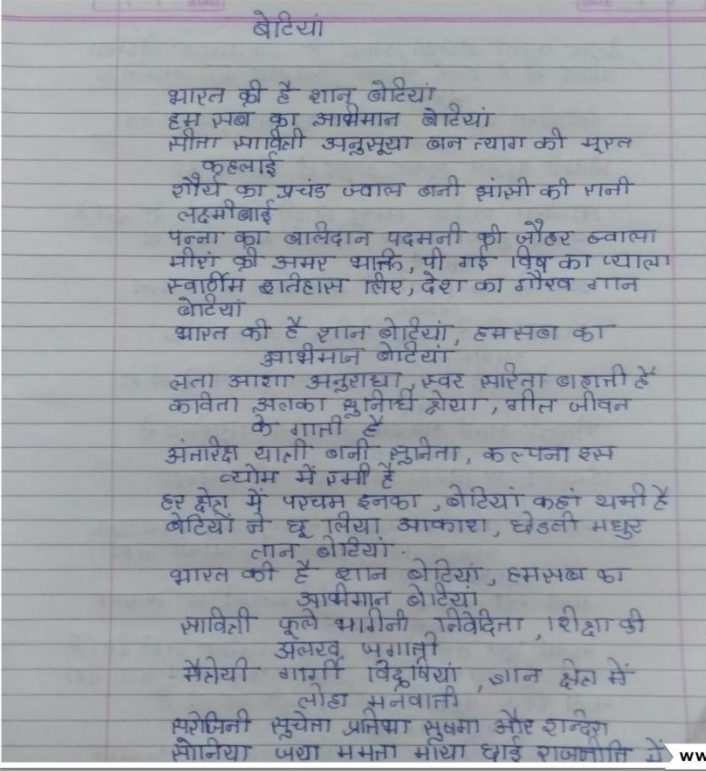
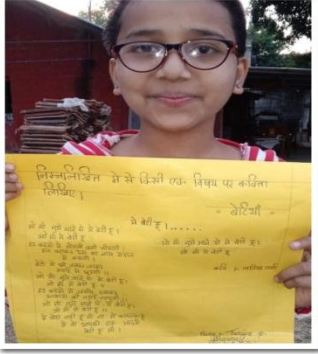
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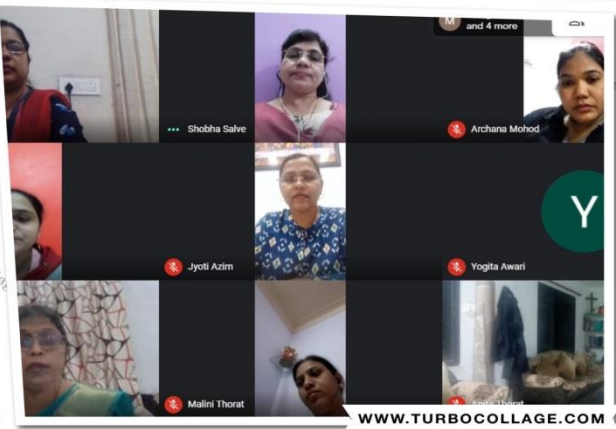
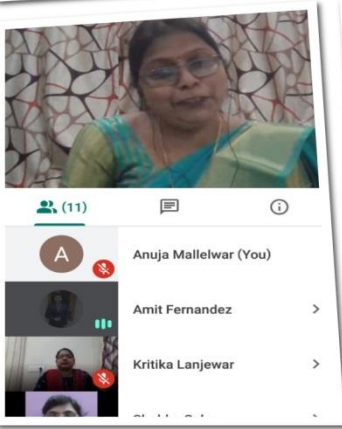
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Nibandh Lekhan



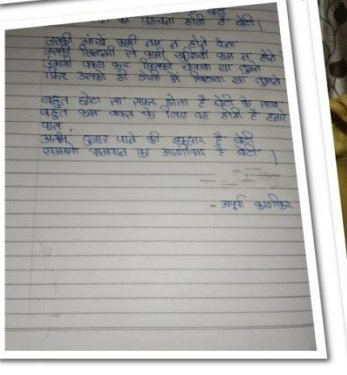
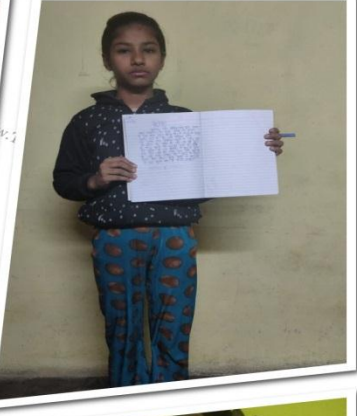
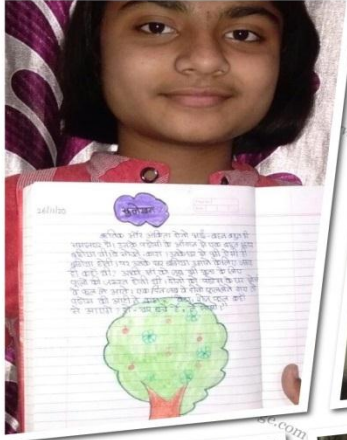
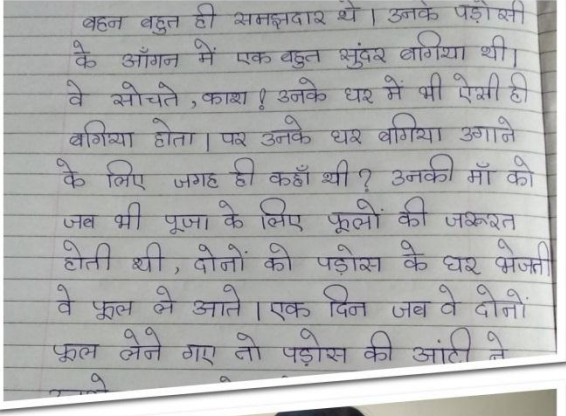
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Webinar

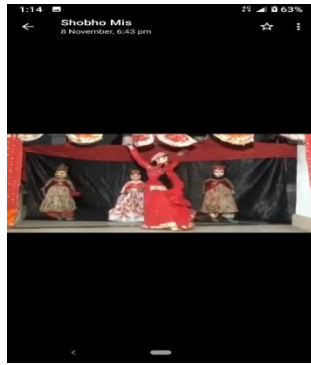
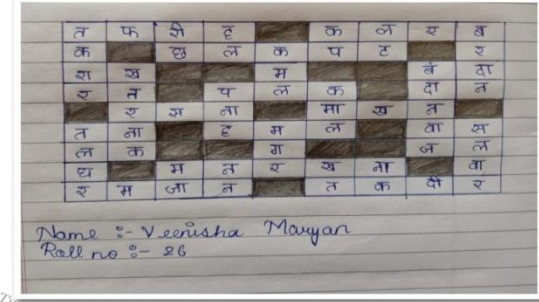
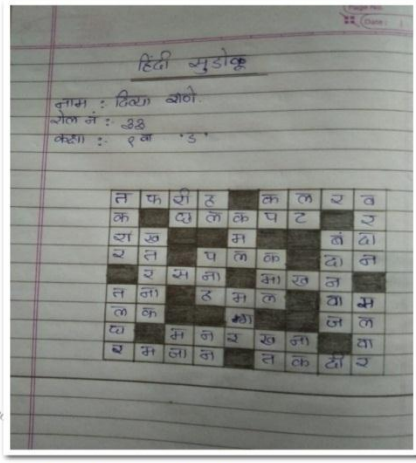


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Sulekhan

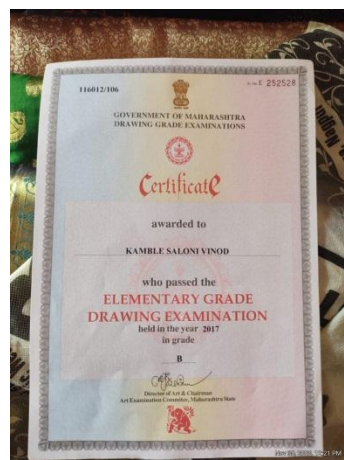


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Drawing Grade Examination & Interact Installation

The Government of Maharashtra Drawing Grade Examination was conducted in the year 2017, in which our students participated. The names of the students who excelled in the examination are as follows; Dua Naaz Khan, Sachi Bagde, Zoya Ansari, Shruti Meshram, Mukul Sanjay Bhagwalkar, Anuradha Zade, Anushree Karwade and Saloni Kamble. The examination was conducted under the guidance of principal Madam Mrs. R. Singh and teacher in-charge Mrs. Reena Ravi Kumar.



The interact installation of St. Ursula Girl's High School was held at the school auditorium. Ms. Janvi Chaudhari was elected as a president of Interact Club for the year 2020-21. Rtn. Sandeep Dhodapkar, president of the Rotary Club, Rtn. Parag Date, Secretary, Rtn. Mohammad Master, Director, of Rotary Club installed Janvi along with other office bearers in the presence of Principal Madam Mrs. Rachna Singh and interact teachers Mrs. Supriya Paunikar, Mrs. Reena Ravi Kumar and Mrs. Sonali Raibole.

The names of the Interact Club Office Bearers are as follows:

1. President-Janhavi Choudhari
2. Vice-President- Prashansa Wahane
3. Secretary-Areeba Qureshi
4. Jt. Secretary-Srujan Virkhare
5. Treasurer-Sayma Naaz
6. Asst. Treasurer: Anushka Warthe
7. Directors:
 1. Anushka Rambade
 2. Apoorva Kashikar
 3. Namrata Londe
 4. Pranita Bhojar
 8. IPP-Palak Parad



06.10.2020 10:56

Interesting Days & Facts

• **Sum of all the negative integers Day – 1st December**

• **Pythagorean Theorem Day – 16th December**

Any mathematician is conversant with Pythagoras theorem that states that the area of a triangle can be calculated using the formula $a^2 + b^2 = c^2$

To mark the significance of this revolutionary discovery Pythagorean Theorem Day is celebrated on days that align with the formula.

Example: The last such holiday was on the 15th of August, 2017.

The numbers $82 + 152 = 1172$

The next date for this celebration is not until December 16, 2020!

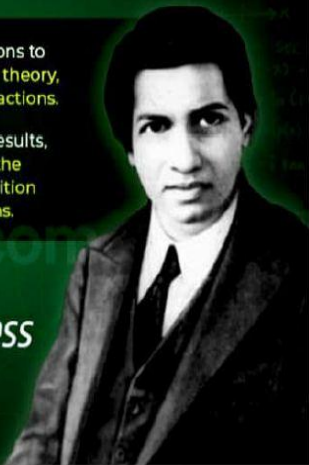
Mark it in your calendars now.

NATIONAL MATHEMATICS DAY 22nd Dec

National Mathematics Day is celebrated on Srinivasa Ramanujan's birthday in recognition of his contribution to Mathematics.

He made substantial contributions to mathematical analysis, number theory, infinite series, and continued fractions.

He also compiled nearly 3,900 results, such as the Ramanujan prime, the Ramanujan theta function, partition formulae & mock theta functions.



"An equation has no meaning for me unless it expresses a thought of God."



IMAGE: Corbis

Sir Isaac Newton was born on Christmas Day... until 26 years after his death, when a calendar shift changed his birthday to January 4.



Sir Isaac Newton

25 December 1642 – 20 March 1726/27

Newton is recognised as one of the most influential scientists of all time and a key figure in the scientific revolution. His book *Philosophiæ Naturalis Principia Mathematica*, first published in 1687, laid the foundations for classical mechanics. Newton made seminal contributions to optics, as well as sharing credit with Gottfried Wilhelm Leibniz for the development of calculus.

December						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25 (Christmas)	26
27	28	29	30	31		

• December 25 :- Christmas Day

Christmas (or Feast of the Nativity) is an annual festival commemorating the birth of Jesus Christ, observed primarily on December 25 as a religious and cultural celebration among billions of people around the world. A feast central to the Christian liturgical year, it is preceded by the season of Advent or the Nativity Fast and initiates the season of Christmastide, which historically in the West lasts twelve days and culminates on Twelfth Night; in some traditions, Christmastide includes an octave. Christmas Day is a public holiday in many of the world's nations, is celebrated religiously by a majority of Christians, as well as culturally by many non-Christians, and forms an integral part of the holiday season centered around it.



"Mathmagicians" Club activities for December

- 2nd December
 - 7th December

Geometrical Drawing Competition (Class V to X)

Preparing Monthly Budget with Parents (class V to VIII)

Study the components of electricity bills (class IX)

Study the banking procedure: Cheque, DD, Net & Mobile Banking(class X)
- 9th & 10th December
 - 16th December

Sudoku Competition during Maths period (Class V to X)

Maths Short Movie along with Questionnaire (Class V to X)
- 5th December
 - 12th December
 - 19th December
 - 26th December

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One Maths Logical Reasoning Worksheet to be uploaded in Google Classroom every Saturday classwise and students to solve it (Class V to X)
- During Maths Period

One Maths game/Activity to be conducted live with students in Google meet (Class V to X)
- 2nd week of December
 - 3rd week of December

Seminar/Webinar by subject expert for teachers

Seminar/Webinar for students of STD X



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"Life is a math equation. In order to gain the most, you have to know how to convert negatives into positives."