



# MATHEMATICA - A NEWSLETTER

From the  
Department of Mathematics.  
Sarojini Naidu Govt. Girls P.G. College, Shivaji  
Nagar, Bhopal (M.P.)

Nu**M**ber  
A**l**gebra  
Da **T**a  
C**H**ance  
G**E**ometry  
M**e**asurement  
C**A**lculus  
T**O**pology  
Ar**I**thmetic  
Spa**C**e  
S**T**atistics

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## Message By Principal

Dear Students,  
It gives me immense pleasure to write a few words as Prologue to Mathematics Newsletter "MATHEMATICA". Congratulate all the contributors and Editorial Board for bringing out such a beautiful Newsletter with full of Knowledge.  
Wishing you all the Best....!

-Patron and Principal



## Staff Members

**Dr. Pratibha Singh**  
(Principal & Patron)

**Dr. Kavita Shrivastava**  
(HOD)

**Dr. Shraddha Dubey**

## Message By HOD

Dear Students,  
It gives me immense joy and satisfaction to finally introduce our Newsletter "MATHEMATICA". A lot of effort has gone into the making of this issue. I hope you enjoy this issue as much as we have enjoyed making it. I wish you all the best for achieving great success in future.

-Convener and HOD



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## Message By Faculty

It gives me great pleasure to bring you this issue of the Departmental News Letter- "MATHEMATICA". This News Letter is a platform to exhibit the literary skills and innovative Ideas of the Students. I would like to express my heartfelt thanks To all those who have contributed to make this effort a success.



## Mathematical Facts to know

Why is math important in life?

Math is important in life because it is used to perform many different daily tasks, such as telling time, reading an odometer, counting change and to make strategic decisions in one's work life. Similarly, nearly every profession uses some form of math. For example, nurses, engineers, bank tellers, pharmacists and stock market analysts use math every day to perform their professional duties well.

Math is a life skill needed by everyone to make even simple choices in regard to insurance rate, investment options and looking at stock market trends and data.

Math is necessary even in sports and for playing board games like chess where one has to make strategic moves. In sports, some uses of math include knowing about statistics, probability and geometry. For example, in bowling, players need to figure out the best angle to throw a ball for a strike.

## Vedic Mathematics

Vedic Mathematics is based on sixteen sutra's or principles. These principles are general in nature and can be applied in many ways. In practice, the Vedic system is used to solve difficult problems or huge sums in more effective and easy way. These methods are just a part of a complete system of mathematics which is far more systematic than the modern system taught now. The simplicity of Vedic Mathematics helps us to solve the calculations mentally with sufficient practice. Vedic Mathematics is highly helpful in cracking competitive exams.

**If you wanna to square numbers like 99, 999, 9999, 99999 and go on it is very simple For example.....**

The square of 99 is

$$99-01=98 \text{ and } 99-98=01$$

So it's square is 9801

-

Similarly the square of 9999 is

$$9999-0001=9998 \text{ and } 9999-9998=0001$$

So it's square is 99980001

**It is only valid for last digit number is 9**

**If you wanna to square any number containing the last digit number is 5. So it is very simple. For example.....**

The square of 55 is

$$5*6=30 \text{ and } 5*5=25$$

So it's square is 3025

-

Similarly square of 145 is

$$14*15=210 \text{ and } 5*5=25$$

So it's square is 21025

-

**It is only valid for last digit number is 5**

## Departmental Activities

Seminar

on

## National Mathematics Day

22<sup>nd</sup> Dec 2021

Seminar organised by the Department

**Department : MATHEMATICS**

**Member Organizing Committee**

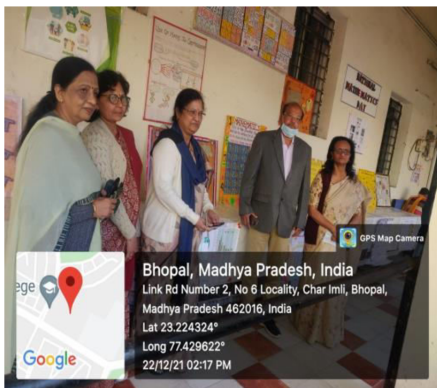
### Sponsorer

- World bank under the agies of IQAC

### Resorces Person

**Dr. Deepak Singh (NITTTR BHOPAL)**

### Organisers



- Dr. Pratibha Singh (Principal)
- Dr.Kavita Shrivastava (HOD)

- Dr.Shraddha Dubey



- Ms. Roopal Choubey
- Ms. Akanchha Singh
- Ms. Kavita Patel
- Ms. Anjali Bhoi

One important lesson in MATHS that we can all apply in our lives

“ALWAYS BE CAREFUL WITH THE SIGNS”.

# National Science Day

28 Feb 2022

## 75 th year of AZADI KA AMRIT MAHOTSAV

Jointly organised by INDIAN SARVAJAN WELFARE SOCIETY  
Jointly conducted by all the science departments of SNGGPG

**Theme : Integrated Approach in science and technology for sustainable future**

Speaker : Dr. Rajesh Saxena (Sr. Principal Scientist MPCST BHOPAL)



### Departmental Activities

- (1) **Mathematics Club** formed in the year 2012.
- (2) **National Mathematics Day** was celebrated in the year 2021 on the occasion of birth Anniversary of "**Srinivasa Ramanujan**".
- (3) **Poster Exhibition** was conducted on 21<sup>st</sup> December 2022.
- (4) **National Science Day** was celebrated on 28<sup>th</sup> Feb 2022



Did You KNOW?

#269

The number 4 is the only number that has the same number of letters in it.

DidYouKnow.com

The important thing to remember about MATHEMATICS is not to be frightened !