Republic of the Philippines
Department of Education
CORDILLERA ADMINISTRATIVE REGION
Wangal, La Trinidad, Benguet

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Advisory No. 088 ,2022
September 23, 2022
In compliance with DepEd Order No. 8, s. 2013
this advisory is issued not for endorsement per DO 28, s. 2001,
but only for the information of DepEd officials,
personnel/staff, as well as the concerned public.

FREE SEMINAR ON VEDIC MATHEMATICS

The MATH-Inic Philippines in partnership with the Institute for Advancement of Vedic Mathematics (IAVM) will be offering a free seminar on Vedic mathematics on October 8, 2022. The seminar intends to introduce Vedic mathematics, which is a collection of techniques/sutras to solve mathematical arithmetic in easy and faster way.

The MATH-Inic Philippines would like to invite all mathematics teachers from public and private schools in the region to participate in the said event. The letter of invitation from MATH-Inic Philippines is attached for the other details of the activity.

Participation of public and private schools is on voluntary basis and shall be subject to the no-disruption-of-classes policy stipulated in DepEd Order No. 9, s. 2005 titled "Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith." This is also subject to the no-collection policy as stated in Section 3 of Republic Act No. 5546, "An Act Prohibiting the Sale of Tickets and/or the Collection of Contributions for Whatever Project or Purpose from Students and Teachers of Public and Private Schools, Colleges and Universities."

For more information, interested participants may send an email to ike.prudente@math-inic.com.

ESTELA P. LEON-CARIÑO EdD, CESO III
Director IV/Regional Director

For the Regional Director:

FLORANTE E. VERGARA
Director III/Assistant Regional Director

DepED

DepEd Cordillera Administrative Region <car@deped.gov.ph>

RE: Offer to conduct a free seminar for teachers on October 8, 2022

ike.prudente@math-inic.com <ike.prudente@math-inic.com> Thu, Sep 22, 2022 at 4:24 PM
To: DepEd Cordillera Administrative Region <car@deped.gov.ph>

I'm sorry I forgot the attachment

DEPARTMENT OF EDUCATION
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RECORDS SECTION REGIONAL OFFICE - CAR
SEP 23 2022
BY: TIME:

From: ike.prudente@math-inic.com <ike.prudente@math-inic.com>
Sent: Thursday, 22 September 2022 4:22 pm
To: 'DepEd Cordillera Administrative Region' <car@deped.gov.ph>
Subject: Offer to conduct a free seminar for teachers on October 8, 2022

√MATH-Inic
Math made fun, fast and easy!

Sept 22, 2022

Estela L. Cariño, EdD, CESO III
Director IV/Regional Director
Department of Education
Cordillera Regional Administrative Region
Wangal, La Trinidad, Benguet

Dear Dr. Cariño,

Greetings from MATH-Inic Philippines!

Before anything else, I would like to offer my sincerest apology to you. In my e-mailed letter dated September 14, 2022, in my eagerness to extend the invitation of **IAVM** chair, Mr. James Glover, for the students and teachers in your region to participate in the **2nd International Vedic Mathematics Olympiad (IVMO 2022),** I failed to explain what Vedic Mathematics is. I also forgot to properly introduce MATH-Inic and myself before I offered to conduct a free seminar for your teachers.

Thus, I am attaching **What is Vedic Mathematics.docx** which contain some materials taken from https://vedicmaths.org, discussing the features of Vedic Math. I hope this will adequately describe the nature of VM.

As for MATH-Inic Philippines, we started it in 2011 to offer after-school lessons which aim to make Math fun, fast and easy for those learners struggling in this subject.

Since 90% of our lessons were based on Vedic Maths, we were recognized by international VM bodies. In 2015, we were allowed by Kenneth Williams, founder of the **Vedic Mathematics Academy of UK**, to offer his online courses here in the Philippines. I was also tasked by the **Institute for the Advancement of Vedic Mathematics (IAVM)**to report on the development of Vedic Math in the

Philippines in the annual **International Online Vedic Mathematics Conference** since it started in 2015 up to the present.

Since then, I have been promoting Vedic Math throughout the Philippines. I am often invited to discuss Vedic Math in schools, schools' division, universities, and math teacher's conventions from as far north as Batanes to as far south as Cotabato City.

In 2018, I started organizing the annual **Inspirational Maths from India (IMI)** seminar series with local and international speakers from **IAVM** in the different cities of Luzon and Visayas. Due to the pandemic, **IMI III (2020)** and **IMI IV (2021)** were conducted online.

I am an author of 4 Vedic Math books and co-author, with the **IAVM** trustees of the teacher's handbook, **Inspirational Math from India.**

In 2019, in my visits to Baguio City, I conducted whole-day seminars for teachers at Easter College on Feb 20, for students of Cordillera Regional Science High School on Feb 21, and for teachers of the Division of Benguet on September 5.

This coming October 7 to 9, I will be visiting Baguio City again and I would be very happy to conduct a free "Introduction to Vedic Math" seminar for the teachers in your region, preferably on October 8.

I am sure your teachers will find that Vedic math will be an excellent supplement to the current math curriculum and help transform some of your learners "from Math Haters into Math Lovers and Math Lovers into Math Masters."

Best regards,

Virgilio Prudente

Virgilio Y. Prudente

MATH-Inic Philippines

What is Vedic Mathematics.docx
17K

What is Vedic Mathematics?

(*This material is taken from the website of the Vedic Mathematics Academy*).

Vedic Mathematics is the name given to the ancient system of Indian Mathematics which was rediscovered from the Vedas between 1911 and 1918 by Sri Bharati Krsna Tirthaji (1884-1960). According to his research all of mathematics is based on sixteen Sutras, or word-formulae. For example, 'Vertically and Crosswise` is one of these Sutras. These formulae describe the way the mind naturally works and are therefore a great help in directing the student to the appropriate method of solution. These mental processes construct the mathematics.

The most striking feature of the Vedic system is its coherence. Instead of a hotch-potch of unrelated techniques the whole system is beautifully interrelated and unified: the general multiplication method, for example, is easily reversed to allow one-line divisions and the simple squaring method can be reversed to give one-line square roots. And these are all easily understood. This unifying quality is very satisfying, it makes mathematics easy and enjoyable and encourages innovation.

In the Vedic system 'difficult' problems or huge sums can often be solved immediately by the Vedic method. These striking and beautiful methods are just a part of a complete system of mathematics which is far more systematic than the modern 'system'. Vedic Mathematics manifests the coherent and unified structure of mathematics, and the methods are complementary, direct, and easy.

The simplicity of Vedic Mathematics means that calculations can be carried out mentally (though the methods can also be written down). There are many advantages in using a flexible, mental system. Pupils can invent their own methods; they are not limited to the one 'correct' method. This leads to more creative, interested, and intelligent pupils.

Interest in the Vedic system is growing in education where mathematics teachers are looking for something better and finding the Vedic system is the answer.

Research is being carried out in many areas including the effects of learning Vedic Maths on children; developing new, powerful but easy applications of the Vedic Sutras in geometry, calculus, computing etc.

But the real beauty and effectiveness of Vedic Mathematics cannot be fully appreciated without actually practising the system. One can then see that it is perhaps the most refined and efficient mathematical system possible.

Nine features of Vedic Mathematics:

There are many features of the Vedic system which contrast significantly with conventional mathematics.

Coherence - Perhaps the most striking feature of the Vedic system is its coherence. Instead of a hotchpotch of unrelated techniques the whole system is beautifully interrelated and unified: the general multiplication method, for example, is easily reversed to allow one-line divisions and the simple squaring method can be reversed to give one-line square roots. And these are all easily understood. This unifying quality is very satisfying, it makes mathematics easy and enjoyable and encourages innovation.

Flexibility- In modern teaching you usually have one way of doing a calculation. This is rigid and boring, and intelligent and creative students rebel against it. Once you allow variations you get all sorts of benefits. Children become more creative. The teacher is encouraging innovation and the children respond. In the Vedic system there are general methods, that always work, for example a method of multiplication that can be applied to any numbers. But the Vedic system has many special methods, when a calculation has some special characteristic that can be used to find the answer more easily. And it's great fun when you spot that method.

Having only one method of, say, multiplying is like a carpenter who uses a screwdriver for every job. The skilled craftsman selects the tool most appropriate for the job and gets it done quicker, better and with more satisfaction.

So there are special methods that apply in special cases, and also general

methods. You don't have to use these special methods, but they are there if you want to.

Calculations can often be carried out from right to left or from left to right.

You can represent numbers in more than one way; we can work 2 or more figures at a time if we wish.

This flexibility adds to the fun and gives pupils the freedom to choose their own approach. This in turn leads to the development of creativity and intuition. The Vedic system does not insist on a purely analytic approach as many modern teaching methods do. This makes a big difference to the attitude which children have towards mathematics.

In this rapidly changing world adaptability and flexibility are absolutely essential for success. For the future we can expect more change and perhaps at a more rapid pace.

Mental, improves memory - The ease and simplicity of Vedic Mathematics means that calculations can be carried out mentally (though the methods can also be written down). There are many advantages in using a flexible, mental system.

Pupils can invent their own methods, they are not limited to the one 'correct' method. This leads to more creative, interested, and intelligent pupils. It also leads to improved memory and greater mental agility.

Bear in mind also that mathematical objects are mental objects. In working directly with these objects as in mental maths you get closer to the objects and understand them and their properties and relationships much better. Of course, there are times especially early on when physical activities are a great help to understanding.

Promotes creativity - All these features of Vedic math encourage students to be creative in doing their math. Being naturally creative students like to devise their own methods of solution. The Vedic system seeks to cultivate intuition, having a conscious proof or explanation of a method beforehand is not essential in the Vedic methodology. This appeals to the artistic types who prefer not to use analytical ways of thinking.

Appeals to everyone - The Vedic system appears to be effective over all ability ranges: the able child loves the choice and freedom to experiment and the less able may prefer to stick to the general methods but loves the simple patterns they can use. Artistic types love the opportunity to invent and have their own unique input, while the analytic types enjoy the challenge and scope of multiple methods.

Increases mental agility - Because the Vedic system uses these ultra-easy methods mental calculation is preferred and leads naturally to develop mental agility. And this in turn leads to growth in other subjects.

Efficient and fast - In the Vedic system 'difficult' problems or huge sums can often be solved immediately. These striking and beautiful methods are just a part of a complete system of mathematics which is far more systematic than the modern 'system'. Vedic Mathematics manifests the coherent and unified structure naturally inherent in mathematics and the methods are direct, easy, and complementary.

Easy, fun - The experience of the joy of mathematics is an immediate and natural consequence of practicing Vedic Mathematics. And this is the true nature of maths - not the rigid and boring 'system' that is currently widespread.

Methods apply in algebra - Another important feature of the Vedic system is that once an arithmetic method has been mastered the same method can be applied to algebraic cases of that type - the beautiful coherence between arithmetic and algebra is clearly manifest in the Vedic system.