

*Loreto Convent presents*  
SCI-MATICS

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Let the league of facts and factors begin

# *Introduction*

Mathematics is poetry, while science is prose.

Mathematics is inner experience, while science deals with external experiences. Mathematics is a language for conveying relations, while science tries to find out invariant relationships in nature.

Since the very beginning of the human civilization on our planet, Science and Mathematics have been faithful companions of intellectuals. Nature is distinctively mathematical, and nature speaks to us in mathematics, we just have to listen.

“Mathematics is science without limits”

To infuse and nurture the interest of the students in Mathematics and Science, the elements of curiosity, vision, imagination, originality, conceptual understanding and logical reasoning are essential.

Considering this fact, we introduce

“**SCI-MATICS**”, a collaborative effort of Science and Maths Department of our school.



# *Little Mind Sparkers*

JUST A MINUTE (JAM) ACTIVITY - CLASSES 5 & 6

**“NEVER LET THE FEAR OF STRIKING OUT KEEP YOU FROM PLAYING THE GAME”**

Speaking spontaneously by engaging oneself and being in the moment is the need of the hour. By keeping this view we are organizing an activity

**“LITTLE MIND SPARKERS”- JUST A MINUTE (JAM)** for our students of classes V and VI. The activity will be conducted in two rounds:

## **PRELIMINARY ROUND**

1. In this round all students of classes V & VI will participate.

2. Let this be your time to Spark because best 4 speakers of each house from each section will be selected by the Science teachers of the respective classes.

3. Selected students will move to the second preliminary round and will be speaking on the topic allocated to them through Microsoft Teams on December 15th 2020 from 1500hrs to 1600hrs.



# *Little Mind Sparkers*

Each student will be allowed to speak for minimum 1 minute and maximum 1 and half minute.

Students are allowed to use props like hand-made posters, catchy slogans-related to the topic.

Best 8 speakers, 4 students from each class per house will be selected for the final round. The invite will be sent to them.

## **FINAL ROUND:**

The final round will be conducted on January 13th 2021 from 1500hrs to 1600hrs.

A new team will be created for the final participants and an invite of the same will be sent .

TEACHERS IN-CHARGE: MRS. SHALITHA  
ROY CHAUDHARY

MRS. SWATHY PRASANTH



# *Beauty In God's Creation*

**"THE LAWS OF NATURE ARE BUT THE MATHEMATICAL  
THOUGHTS OF GOD"**

Euclid

We are glad to announce that we will be organising a Fun filled Math activity for our Class 5 and 6 students which allows them to explore the beauty in nature through Mathematics. As we delve into the nature and explore its beauty, we see that nature can be described mathematically. The beauty of a flower, the majesty of a tree, even the rocks upon which we walk can exhibit nature's sense of symmetry.

To show this beauty around us the students of classes V & VI will do an activity using cut outs of shapes from different coloured Origami papers.

## **ACTIVITY FOR CLASS V**

1. Create a scenery using symmetrical shapes and patterns cut out from origami paper.
2. Choose the shapes and colors accordingly.
3. Use maximum number of shapes.

## **ACTIVITY FOR CLASS VI**

1. Create a beautiful garden showing the symmetry in trees, plants, flowers, butterflies etc. using origami paper.

# *Beauty In God's Creation*

2. Try to show maximum symmetry
3. Choose colors accordingly

## **RULES**

1. Points will be awarded according to the Rubrics

**PRESENTATION - 4**

**CREATIVITY - 4**

**NEATNESS - 2**

2. There will be a preliminary round in which all students of classes 5 & 6 will participate.

3. Best 1 activity of each house from each section will be selected by the subject teachers.

4. From the best 3 activities of each house from all sections, 1 best activity from each house will be selected as the final entry. (4 from class 5 and 4 from class 6)

5. After shortlisting the final participants, (4 students from class 5 and 4 students from class 6) in the final round they will be speaking about their activity for 1min in mathematical language.

6. The final round will be held on January 13th 2021 from 1500 hrs. to 1600 hrs.

In the final round winner will be decided by the panel of judges.

Teachers In charge – Ms. Sonia Toby and Ms. Ruchi Goel

# *Shooting Stars*

**“QUESTIONS ARE THE ENGINES OF INTELLECT,  
THE CEREBRAL MACHINES WHICH CONVERT  
ENERGY TO MOTION AND CURIOSITY TO  
CONTROLLED INQUIRY”**

By keeping the objective extracted from the above quote, we are organizing an ONLINE QUIZ ACTIVITY- “SHOOTING STARS” for classes 7, 8 and 9 on the topic- MATHEMATICS, SCIENCE, TECHNOLOGY AND ENVIRONMENT.

The online quiz will be conducted in 2 rounds- Preliminary round and the final round.

## **PRELIMINARY ROUND-**

(i) Preliminary round will be conducted on December 11th 2020 through MS Forms in MS Teams from 1500 hrs onwards.

(ii) This round of quiz will consist of 20 questions and 15 minutes will be allotted for its completion.

# *Shooting Stars*

(iii) Students are expected to join in the following teams by 2:45pm: 7A- Mrs. Ruchi Goel  
7B- Mrs. Manju Kumar  
7C- Mrs. Swathy Prasanth 8A & 8C- Mrs. Sood  
8B – Mrs. Shaly Francis  
9A & 9C- Mrs. Parameswarn 9B – Ms. Monika Saraswat

(iv) Based on the responses, 4 Top scorers from each class per house will be selected and the best 12 scorers will be sent for the final round.

## **FINAL ROUND-**

(i) The final round will be conducted on January 19th 2021 from 1500hrs onwards.

(ii) This will be comprising of 4 teams of 4 different houses having 3 students from each class per house.

(iii) A new MS Team will be created for the final round and the invite of the same will be sent to the participants.

**TEACHERS IN-CHARGE:** Mrs. Ani Parameswarn, Mrs. Meghna Sood, Mrs. Shally Francis, Mrs. Manju Kumar and Ms. Monika Saraswat

# *Lights, Camera, Reaction!*

## **A MOVIE MAKING ACTIVITY**

Let's have fun and bring out the creative directors of class 11 A, B and C to make interesting video on the following topics-

**1.LIVE AND LET LIVE - The new normal**

**2.GREEN WARRIORS - Yesterday and today**

**3. A DAY AFTER TOMORROW- Speaking for the planet**

## **RULES OF THE ACTIVITY**

1.This is an inter house competition of class 11 in which each house has to make two videos out of the three topics given.

2.A short video of 5 minutes duration with appropriate audio and visuals need to be made.

# *Lights, Camera, Reaction!*

3. House mistresses of every house will have to give the name of the students of each group and the topic chosen by the group to the teachers in charge, Mr. Ajay Kumar and Ms Monika Saraswat latest by December 10th 2020.

4. The group should have minimum 5 and maximum 8 students.

5. The last date to submit the video is January 13th 2021.

6. Students of Walsh and Hart house will submit their videos to Mr Ajay Kumar.

7. Students of Ball and Ward houses will submit their videos to Ms Monika Saraswat.

8. The best 3 videos will be chosen by the panel of judges.

9. The videos will be judged upon the following criteria-direction, team work and originality.

**ALL THE BEST FOR THE ACTIVITY**

# *Let's all recite...*

Science is fun and maths is great ,  
they come together like checkmate

Circumference and crusts of waves, SCI-MATICS  
gave all the logic which humans crave

Interconnection of both made the progress,  
eventually leading theories to success

Agreements disagreements lead to discoveries,  
Logic acted like a medicine to all our worries  
Maths and science are bosom buddies,  
Science deals with nature and maths with  
patterns

Pythagoras, Thales and Newton were great  
but now it's the turn of various other grades,

Here we present activities filled with  
excitement,  
To appreciate the beauty of SCI-MATICS with  
delightment.

# *Thank You*