

Celebrating Independent Thinkers this National Science Day

You have probably heard of the **Raman Effect** that when light passes through a transparent material, some of the deflected light changes in wavelength. Ever wonder who discovered it?

If you guessed **Sir Chandrasekhara Venkata Raman**, you are right. This discovery won him the Nobel Prize in Physics and the Bharat Ratna. Since this phenomenon was brought to light on the **28th of February**, this day is celebrated nationwide as **National Science Day**.

His belief that *the essence of Science is independent thinking, hard work and not equipment* matches beautifully with the philosophy of the **Science Department** here at **Bunts Sangha's S. M. Shetty High School and Junior College**. So this Science Day we aimed to encourage our young independent thinkers to step out of the usual classroom environment and try something new that **celebrates Science in all its forms** from the comfort of their homes. But we found it difficult to contain ourselves to just one day so instead we had it for a **whole week from 22nd to 27th February 2021**.

Standard six to eight had a range of activities planned during their weekly online Science classes. The first activity involved **creating original posters** on themes such as **Save Environment, Pollution Control and Energy Conservation**. Some students impressed us with their eagerness to experiment with colours, textures and techniques while conveying a socially important message. The second activity titled '**Science Fights Back**' aimed at debunking some common superstitions, traditions and myths found in Indian culture with scientific truths. The third activity brought out the humorous and light-hearted side of Science with students performing **Magic Tricks** based on various scientific principles. Students were introduced to tricks such as '**Floating Paper Clip - one & many**', '**Blooming Paper Flower**', '**Vanishing Water**', '**Bending Water**', '**Enchanted Table Cloth**', '**Mendable Pencil**' and '**Reversing Arrow**'.

Standard nine had a session titled '**Careers in Science**' where they were introduced to conventional and divergent Science careers and the relevant eligibility criteria by educational counselor, **Ms. Radhika Kulkarni**. The students also had a chance to virtually meet **Dr. Rekha Patil, founder of Regulus Agro-Organic Pvt. Ltd**. She highlighted the business opportunities available with applied food technology and showcased her entrepreneurial spirit behind starting her company from humble beginnings.

The week long venture of celebrating Science Week was met with such zeal by both students and teachers that it has ignited a spark that has seen students coming up with more topics and ideas for discussion and experimentation. It was all and more than we with the Science Department could hope for but had certainly wished for through this small endeavour. **One step for us surely but definitely a giant leap for Science**.

WINNERS OF POSTER MAKING COMPETITION

| VI-A | NAME OF THE STUDENT |
|------|---------------------|
| 1 | KAVYA BHORADE |
| 2 | IYAAN SHAIKH |
| 3 | AKANSHA VERMA |

| VI-B | NAME OF THE STUDENT |
|------|---------------------|
| 1 | SHIVANGI VERMA |
| 2 | ISHITA AMIN |
| 3 | DHRITI SANKE |

| VI-C | NAME OF THE STUDENT |
|------|---------------------|
| 1 | ANGEL SHUKLA |
| 2 | PEARL JAIN |
| 3 | VIHAAN SHETTY |

| VI-D | NAME OF THE STUDENT |
|------|---------------------|
| 1 | TANISHKA GOSAVI |
| 2 | AARNA DUTTA |
| 3 | GEETAKSHARA OHWAL |

| VI-E | NAME OF THE STUDENT |
|------|---------------------|
| 1 | RAJVI SHETH |
| 2 | JOHAN MATHEW |
| 3 | ARISHA KHAN |

| VI-F | NAME OF THE STUDENT |
|------|---------------------|
| 1 | ZAINA KHAN |
| 2 | HARDIKI PATIL |
| 3 | HET HARIYA |

| VII-A | NAME OF THE STUDENT |
|-------|---------------------|
| 1 | SIYA GOPINATHAN |
| 2 | VIRTI GANDHI |
| 3 | RAHUL PRAJAPATI |

| VII-B | NAME OF THE STUDENT |
|-------|-----------------------|
| 1 | DARSHAN SALIAN |
| 2 | DHRUVI RAJPUROHIT |
| 3 | SAPTARSHI CHAKRABORTY |

| VII-C | NAME OF THE STUDENT |
|-------|---------------------|
| 1 | KASHVI SHETTY |
| 2 | YASH PAWAR |
| 3 | NISHKA MATHUR |

| VII-D | NAME OF THE STUDENT |
|-------|---------------------|
| 1 | DHRITI BHATT |
| 2 | RISHI KUMAR |
| 3 | AVANI BHANDARY |

| VII-E | NAME OF THE STUDENT |
|-------|---------------------|
| 1 | TRISHA SHETTY |
| 2 | JIA PATEL |
| 3 | SHWETA KAMBLI |

| VIII-A | NAME OF THE STUDENT |
|--------|---------------------|
| 1 | HIBA PURAYIL |
| 2 | PRATHA DUBEY |
| 3 | JANHAVI GOLE |

| VIII-B | NAME OF THE STUDENT |
|--------|---------------------|
| 1 | SUNIDHI DAS |
| 2 | JHEEL PATEL |
| 3 | DEVAM RAI |

| VIII-C | NAME OF THE STUDENT |
|--------|---------------------|
| 1 | BHAKTI SHETTY |
| 2 | LAKSHMI SHARMA |
| 3 | NIDHI SHETTY |

| VIII-D | NAME OF THE STUDENT |
|--------|----------------------|
| 1 | SWARA PAWAR |
| 2 | SHRAVANI MAHINDRAKAR |
| 3 | DIYA SHETTY |

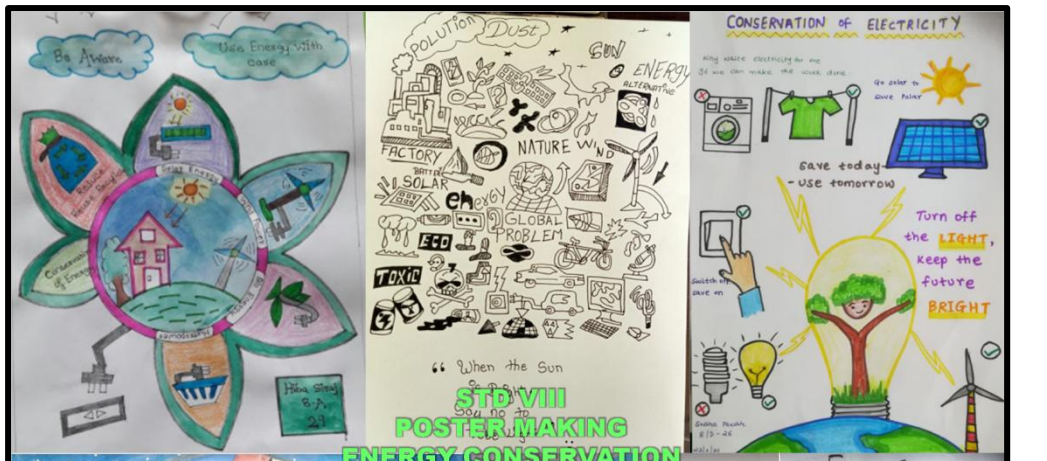
| VIII-E | NAME OF THE STUDENT |
|--------|-----------------------|
| 1 | DAKSH BHANUSHALI |
| 2 | RIA SHARMA |
| 3 | RAMLEEN SINGH MATHARU |

| VIII-F | NAME OF THE STUDENT |
|--------|---------------------|
| 1 | RISITH SHETTY |
| 2 | GAUTAMRAJ YADAV |
| 3 | SADIA SHAIKH |





STD VII POSTER MAKING POLLUTION CONTROL



STD VIII POSTER MAKING ENERGY CONSERVATION



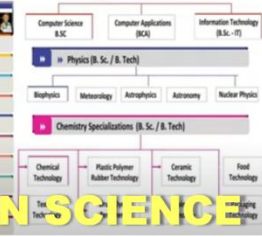
If you take up the Science stream you will study:

- ▶ Physics
- ▶ Chemistry
- ▶ Mathematics
- ▶ Biology
- ▶ Computers and so forth
- ▶ Most colleges offer a vocational subject too.



Physics, Chemistry, Maths (PCM)

- ▶ Physics, Chemistry, Maths (PCM)
- ▶ Geology
- ▶ B. Sc. Mathematics & Statistics
- ▶ Engineering Streams - (BE / B. Tech)
- ▶ Indian Navy
- ▶ Indian Air Force
- ▶ Architecture (B. Arch)
- ▶ Pharmacy (B. Pharm)
- ▶ Merchant Navy - (B.Sc Nautical Science / 2nd Mate)



PCB Options-B. Sc Majors

- ▶ Pharmacy
- ▶ Biotechnology
- ▶ Biochemistry
- ▶ Food Technology
- ▶ Nutrition and Dietetics
- ▶ Genetics
- ▶ Botany
- ▶ Life Sciences
- ▶ Microbiology
- ▶ Zoology



CAREERS IN SCIENCE

Oyster Mushrooms and processing

Processing

White Oyster Mushroom

Pink Oyster Mushroom

Grey Oyster Mushroom

Dry Oyster Mushroom

Cordyceps militaris

Button Mushroom

BLOOMING PAPER FLOWER

ENCHANTED TABLE CLOTH

FLOATING PAPER CLIP – ONE & MANY

MENDABLE PENCIL

BENDING WATER

REVERSING ARROW

VANISHING WATER

SCIENCE MAGIC TRICKS



DO NOT CUT YOUR NAILS AFTER SUNSET



A BLACK CAT CROSSING YOUR PATH WILL BRING BAD LUCK



BREAKING OF A MIRROR BRINGS BAD LUCK



DO NOT SLEEP WITH YOUR HEAD FACING NORTH

SCIENCE
FIGHTS
BACK

THE SCIENCE BEHIND
SUPERSTITIONS



CHEW TULSI LEAVES DO NOT BITE THEM



ALWAYS BATHE AFTER A FUNERAL



A LIZARD FALLING ON YOU IS A BAD OMEN