SNBP INTERNATIONAL & Sr. SECONDARY SCHOOL, CHIKHALI, PUNE
Affiliation No. 1130703
Academic session 2024-25

DATE: 6th FEBRUARY 2025

Science Exhibition circular for students on occasion of NATIONAL SCIENCE DAY celebration.

Science is a perception of the world around us. Science is a place where what you find in nature pleases you. *"National Science Day is observed on February 28 every year across the country to mark and celebrate the contributions of scientists towards the development of India. On February 28, 1928, CV Raman announced the discovery of the 'Raman Effect' and for it, he was awarded the Nobel Prize in 1930. To mark the C V Raman discovery of the 'Raman Effect', 28th February is celebrated as National Science Day".*

Dear Parents and students,

This is to inform you that on the occasion of National science Day, Science Exhibition is organized on **28st Feb (Friday) and 1st March (Saturday) 2025**, for **Gr 1 to 9 & 11**. Interested students can participate and enroll the names to respective class teachers via school diary note given by their parents. Parents are welcomed to school for witnessing the exhibition. Find the details and slots of the exhibition given below.

Venue of the exhibition- New School Building.
Date and Day: 28st Feb (Friday) and 1st March (Saturday) 2025
Classes: Gr 1 to 9 & 11
School Time for students: 7.55 am to 2.30 pm
Parents time to visit school are given below:

Sl No	Class	Timing
	Date: 28th February	
1	Std 1	9 a.m. to10 a.m.
2	Std 3	11 a.m. to 12 noon
3	Std 4	1 p.m. to 2 p.m.
	Date: 1st March	
4	Std 2	9 a.m. to10 a.m.
5	Std 5 & 6	11 a.m. to 12 noon
6	Std 7,8,9 & 11	1 p.m. to 2 p.m.

Following are the theme and topics for respective Grades, which students can choose any one topic and perform.

Gr 1: Theme: **Science around us**

Topics: 1. Solar system
2. Means of Transports
3. Communication
4. Houses-Types of houses
5. Seasons
6. Clothes
7. Day and Night
8. Clean and Dirty Water

Gr 2: Theme: **Science cycle**

Topics: 1. Rotation and Revolution

2. Water Cycle
3. Parts of Plant
4. Sense Organs
5. Types of pollution

Gr 3: Theme: **Every Day Science**

Topics: 1. Plant Life cycle
2. Animal habitat
3. Food chain
4. Healthy vs Junk foods
5. Sinking and floating
6. Life under water
7. Save Earth
8. Important of tress
9. Types of Soil with their uses
10. States of matter with examples
11. Illuminated and non-illuminated objects

Gr 4: Theme: **Environmental Science**

Topics: 1. Life cycle of different animals
2. Adaptation in Animals
3. Layers of Earth
4. Different organ systems of human body
5. Solar system
6. Water cycle

Gr 5: Theme: **Renewable Energy sources**

Topics: 1. Model of wind mill
2. Model of solar cooker
3. Hydropower
4. Rain water harvesting
5. Simple machines
6. Running water

Gr 6: Theme: **Forms of Energy and Green Energy**

Topics: 1. Wind Turbine- Build a small working model using a fan ,motar and LED to show how wind energy generates electricity
2. Electric circuit
3. Magnets – types and functions
4. Important uses of forest and its products
5. Pollution- Causes and control
6. Pin hole camera

Gr 7: Theme: **Physiology**

Topics: 1. Plant life: Plant growth under different conditions
2. Simple circuit to demonstrate conductors and insulators
3. Human life- Display functioning of digestive system
4. Heat: Sea Breeze and land breeze model
5. Acid base reaction- Volcanic eruption Invisible ink
6. Human life: Respiration model, heart model
7. Reproduction in plants- Various vegetative parts of plant.

Gr 8: Theme: **Soil to Science**

Topics: 1. Electro plating
2. Modern agricultural practices and tools
3. Important products of forest- Humus
4. Secondary sexual characters and Menstruation

5. Compost preparation
6. Salt water battery
7. Different types of hormones present/produced by human body and their uses and if any deficiency syndrome.

Gr 9: Theme: **Life and matter**

Topics: 1. 3D model Plant cell or an animal cell
2. Exotic and indigenous cattle and poultry
3. Electric Bell
4. Air cooler model
5. Bohr's model- Make a working model of an atom that describes electrons moving in fixed orbits around the nucleus.

Gr 11: Theme: **Mechanism and Biotechnology**

Topics: 1. Solar lantern
2. Pressure laws
3. Hydraulic lift jack
4. DNA Model
5. Gel Electrophoresis
6. DNA Fingerprinting
7. Brain model
8. Sewage treatment and BOD
9. Vectors
10. Bioreactors

INSTRUCTIONS:

i. Science teachers will be guiding the students in preparation of projects, and students will be completing the project at home and display of model will be done in school during exhibition on the above mention dates.
ii. Students can participate in **solo or group (Group of maximum 4-5 students).**
iii. Participants should get a **written diary note from parents on or before 10th Feb**, for participation in Exhibition.
iv. Project can be display of chart /model.
v. For Gr 8,9,11- Project should be of working model.
vi. On 1st March, Gr 8,9 & 11 participants will be having school from 7.55 am to 2.30pm.
vii. Students can prepare any other model related to theme given above.
viii. Kindly note the size of the chart should be 2ft x 2ft and model size should be 2 ft x 2ft.
ix. Name of the student, school name, topic need to be displayed on chart and model.
x. Strictly no use of thermocol.

Thanking you
Regards

Geeta S Dyavanur
Science HOD

6/02/25.

7/2/25

Coordinator

SH Irani

Principal