

BEST PRACTICE 1 2023-24

Title: Interactive Science Meet with High School students

Objective: (1) To introduce school students to the joys of science through participation in poster making and essay writing competition on various topics of current science.

(2) To acquaint school students to the various laboratory techniques and instruments available in the college laboratories so as to generate interest in science.

(3) To help members of the science club learn the skills of planning, organizing and presenting science programs as well as demonstrating and explaining experiments in a lucid manner.

Practice:(1) Higher Secondary schools with science streams situated within 5 km radius of the college was identified.

(2) Teachers along with student volunteers visited the schools with invitation letters, posters, program schedule and guidelines for the program.

(3) 4 students along with one teacher was invited from each school to participate in the poster exhibition, essay competition and laboratory visit. Lab preferences of the visiting students were collected and 2 lab visits were scheduled for each student group.

BARASAT GOVERNMENT COLLEGE		
Schedule for Laboratory Visit		
Date: 12/10/2023		
Name of the Dept	PHASE-I, TIME:- 1:30 PM - 2:30 PM	PHASE-II, TIME:- 2:30 PM - 3:30 PM
	School Name	School Name
CHEMISTRY	1. Barasat Girls High School 2. Barasat Binapani High School 3. Barasat Priyanath Balika Vidyalaya (H.S.)	1. Barasat Peary Charan Sarkar Government High School 2. Satya Bharati Vidyapith 3. Nabapalli Boys High School (HS)
PHYSICS	1. Barasat Peary Charan Sarkar Government High School 2. Nabapalli Boys High School (HS) 3. Banamalipur Piryanath Institution	1. Barasat Girls High School 2. Purba Barasat Adarsha Bidyapeeth 3. Barasat Mahatma Gandhi Memorial High school
ZOOLOGY	1. Nabapalli Jogendranath Balika Vidyamandir 2. Banamalipur Santosh Bhattacharya Memorial High School	1. Barasat Vivekananda Adarsha Vidyapith 2. Barasat Priyanath Balika Vidyalaya (H.S.)
BOTANY	1. Barasat Vivekananda Adarsha Vidyapith 2. Barasat Mahatma Gandhi Memorial High school	1. Nabapalli Jogendranath Balika Vidyamandir 2. Banamalipur Santosh Bhattacharya Memorial High School
GEOGRAPHY	1. Satya Bharati Vidyapith 2. Purba Barasat Adarsha Bidyapeeth	1. Barasat Binapani High School 2. Banamalipur Piryanath Institution

The program was organized by IQAC and Scientia, Science club of Barasat Govt. College on 12th October, 2023 (11am –5 pm) in Room No. 2, 7 and laboratories of Physics, Chemistry, Botany, Zoology and Geography Department.

Participants: 47 students (Science Stream) and 14 teachers from 11 Higher Secondary Schools in the vicinity of the college as well as 93 science club volunteers from the departments of physics, chemistry, botany, zoology, geography and economics, along with teachers of the departments.

(4) 11 schools responded to the request.

Sl No	School Name	Participants Details	Accompanying Teacher
1	Barasat Girls High School	1. Sristi Mondal 2. Sanga Mondal 3. Shibangi Ray 4. Alankrita Hossain 5. Ananya Chakroborty	Bithi Mailik
2	Barasat Peary Charan Sarkar Government High School	1. Serma Saren 2. Bitan Bhowmick 3. Sourin Das 4. Debarshi Halder	Subrata Chakraborty
3	Purba Barasat Adarsha Bidyapeeth	1. Gourab Chatterjee 2. Annoy Biswas 3. Sayan Nath 4. Sumit Karmakar	Subhasish Ghorai
4	Barasat Vivekananda Adarsha Vidyapith	1. Sanjana Saha 2. Nipa Dey 3. Tarsina Nasrin 4. Tamal Das 5. Oishi Ghosh (essay)	Mrinmoy Ghosh
6	Barasat Mahatma Gandhi Memorial High school	1. Wrishav Paul 2. Priyanka Biswas 3. Subham Ghosh 4. Soham Mondal	Nupur Roy Chowdhury
7	Nabapalli Jogendranath Balika Vidyalaya	1. Aleya Malita 2. Anushree Roy 3. Ankita Barman 4. Sanjukta Majumder	Sarbari Biswas Khuku Rani Das
8	Satya Bharati Vidyapith	1. Swastik Samanta 2. Debtanu Mondal 3. Subham Paul 4. Sagar Das	Satrajit Talukdar
9	Nabapalli Boys High School (HS)	1. Sayandeep Sarkar 2. Trishanu Chakraborty 3. Dibakar Das 4. Dhritiman Dey 5. Partha Paul 6. Swastik Maity	Arindam Dey Arpita Das Gupta Pranab Kumar Basu
10.	Banamalipur Piryanath Institution	1. Sankha Samaddar 2. Wasif Haque Emon 3. Ranik Dutta 4. Rupam Sarkar	Amarjit Bera
11.	Barasat Priyanath Balika Vidyalaya (H.S.)	1. Mandira Saha 2. Aarchi Bhattacharjee 3. Taniya Debnath 4. Disha Roy	Sonali Mukherjee

(5) Guidelines for the event was decided on and volunteer groups were chosen for each event like invitation, refreshment, poster /certificate designing, poster exhibition, essay judgement, introductory session etc.

Guidelines:

1. 4 students of class XI/XII (Science Stream) along with one accompanying teacher is to be sent from each school.
2. The names of the students are to be submitted by 3rd October, 2023 at mail id scienceclubbgc23@bgc.ac.in.
3. Each school group is to submit a hand-drawn poster on the topic 'Science in Everyday Life(প্রাত্যহিক জীবনে বিজ্ঞান)' on an A1 size chart paper to be displayed and explained at the Barasat Govt. College premises on 12th October, 2023.
4. Each school group is to submit a scanned copy of a hand written essay written either in English or Bengali of not more than 500 words on any one of the following topics (i) **Amazing Innovation in Science (বিজ্ঞানের আশ্চর্য উদ্ভাবন)** (ii) **Information Revolution (তথ্য বিপ্লব)** by 8th October, 2023 at mail id scienceclubbgc23@bgc.ac.in.
5. All students will receive participatory certificates and prizes for best poster and essay will be declared on 12th October, 2023.
6. Students will be allowed to visit at least two laboratories out of the following five- Botany, Chemistry, Geography, Physics and Zoology for hands on interaction and demonstration experiments.
7. Light Refreshments will be provided to the participants.

(6) The program proceeded according to the following schedule.

Time	Event
11 AM -12 Noon	Introductory Session
12 Noon -1 PM	Poster Exhibition and Demonstration
1 PM- 1.30 PM	Refreshment
1.30PM - 2.30 PM	Laboratory Exposure Visit 1 st phase
2.30PM -3.30 PM	Laboratory Exposure Visit 2nd phase
3.30PM - 4.30PM	Valedictory Session & Distribution of Certificates and Prizes

(7) The results of the poster and essay competition was as follows:

Competition	1 st prize	2 nd prize	3 rd prize
POSTER	NabapalliJogendranathBalikaVidyamandir	BanamalipurPiryanath Institution (HS)	Barasat Girls High School
ESSAY	Barasat Mahatma Gandhi Memorial High school	Nabapalli Boys High School (HS)	BanamalipurPiryanath Institution (HS)

A **Special Mention** in the poster competition was given to Nabapalli Boys High School (HS) and Barasat Peary Charan Sarkar Government High School.

Evidence of success: An overwhelming response was evident by the participation and engagement of the visiting students as well as the involvement of the science club volunteers. A feedback form was given to the school students, where everyone responded in affirmative to the suggestion of participation in future such programs in the college.

Problems Encountered:

These programs can become a regular feature of the science club programs but has to be confined to once a year schedule due to (i) Lack of funds in organising food and other amenities for the students

(ii) All round the year examination schedule for the schools and colleges constraints the time when both student bodies are free to participate

Photographic Evidence:



POSTERS OF THE EVENT



INAUGURATION CEREMONY



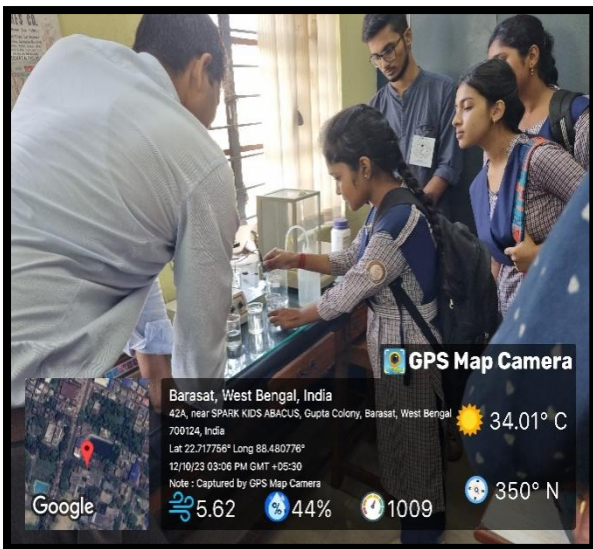
POSTER EXHIBITION



PHYSICS



CHEMISTRY



GEOGRAPHY



BOTANY



ZOOLOGY

LABORATORY DEMONSTRATION



AWARD GIVING CEREMONY

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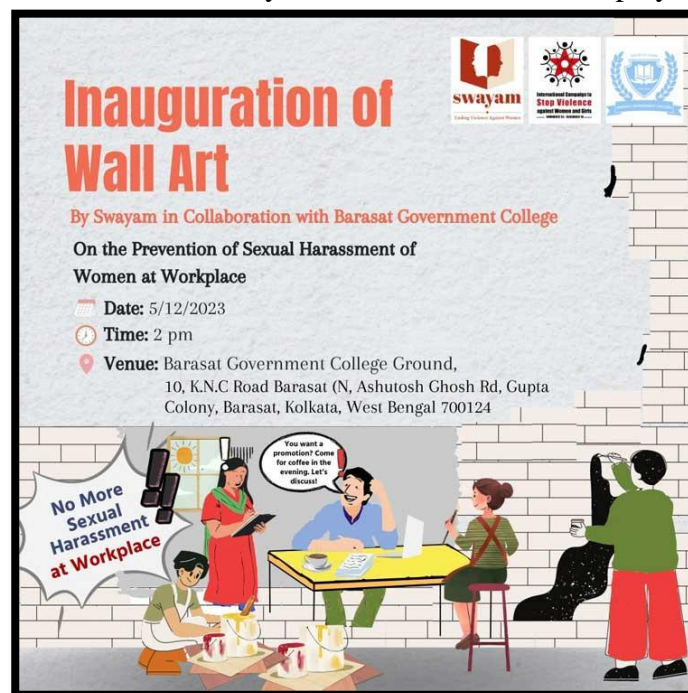
TITLE: Mural painting in the college premises on gender equality issues

OBJECTIVE: To use art as a means of generating social awareness on gender issues.

CONTEXT: Barasat Govt. College caters to a wide cross section of students coming from diverse cultural, social and religious backgrounds. More than 60% of these 3000 strong student body are women. The ICC and Gender Sensitization Committee of the college try to create an inclusive, safe and encouraging environment for the students irrespective of their gender identity. With this end in mind, the college collaborated with a feminist NGO Swayam, to organize art workshops on gender issues and mural paintings and photo exhibition on the college walls to involve students in the dialogues involving issues of gender identity, safety of women in the workplace, gender stereotypes, gender based harassment etc.

PRACTICE:

1. The college ICC and Gender Sensitization Committee signed a MOU with Swayam, a feminist organisation committed to advancing women's rights on 20th September, 2023.
2. It was followed by an art workshop held in the college premises in collaboration with Swayam on 27th September, 2023, involving 91 students and 9 resource persons on the topic "Everyone deserves a safe and respectful learning environment."
3. The artworks, stories, anecdotes, slogans, captions, which arose from the workshop were used as material for the mural paintings on the outside as well as inner walls of the campus.
4. The paintings were done by a professional artist appointed by Swayam and inaugurated on 5th December, 2023 through a short function attended by the Principal, Barasat Govt. College, Director, Swayam, Rwitobroto Mukherjee, a popular actor and youth icon and the OCs of the local police stations.
5. The program comprised of a short cultural program by the students and faculties of the college and talks by the visiting dignitaries.
6. A digital photo exhibition on the topic 'Breaking Gender Stereotypes through My Eyes'', with photographs and captions by the students of the college was inaugurated on the same day.
7. The paintings and artworks conceived by the students were also displayed on the college walls.



Poster of the event

EVIDENCE OF SUCCESS:

- The mural painting project was a grand success as evidenced by the response of the students, faculty, the people of the locality and the huge media coverage.
- The project brought important social issues of gender discrimination and safety to the forefront both within the college boundaries and also in the immediate locality of the college.
- It added to the aesthetic and artistic quality of the college grounds.
- It involved the students and tapped their creative potentials.

PROBLEMS ENCOUNTERED:

- Lack of funds on the part of the college hampered the proper display of the students' art work on the college walls. In future white washing the walls and lighting arrangements would enhance the quality of the display.
- A few members of the college community, expressed dissatisfaction on using the walls for women's rights issues. A gender sensitization program of the teaching and non-teaching staff needs to be arranged to sensitize the college community.

Photographic Evidence:



Talks by visiting dignitaries



Cultural program



Mural painting on inner wall of college



Spectators to the inauguration event



**Photography exhibition on
'Breaking Gender stereotypes'**



**Mural painting on stories on
gender harassment in work place**



Inauguration of wall art



Mural on the outer wall of the college