

“Dissemination of Education through Knowledge, Science and Culture.”

—Shikshanmaharshi Dr. Bapuji Salunkhe.

Shri. Swami Vivekanand Shikshan Sanstha's

**Padmabhushan Dr. Vasantodada Patil Mahavidyalaya, Tasgaon,
Sangli-416312, Maharashtra**

(Affiliated to Shivaji University Kolhapur)



DEPARTMENT OF CHEMISTRY



Extension Activity for High School Students
Magic Chemistry
Experimental Demonstrations

[14th February 2020]



VENUE:

1. New English School, Kavate Ekand
2. Loknete Dikar (Aba) Patil Secondary
and High School, Kumate



"Dissemination of Education For Knowledge, Science & Culture"
Shikshanmaharshi Dr. Bapuji Salunkhe
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PADMABHUSHAN DR. VASANTRAODADA PATIL MAHAVIDYALAYA TASGAON

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A Report Submitted to

Internal Quality Assurance Cell

- **Event** : **Extension activity for High School Students**
- **Date** : **14th February 2020**
- **Venue** : **1. New English School, Kavate Ekand**
2. Loknete Dikar (Aba) Patil Secondary and High School, Kumate
- **Organizing Department** : **Department of Chemistry**

		Total	Male	Female
• Participants :	Student	41	15	26
	Faculty	05	04	01
		46	19	27

In year 2019, Chemistry department have planned an exciting, diverse and innovative activity for high school students as an experimental demonstrations of *MAGIC CHEMISTRY*. This communitive activity raise awareness, to inspire students of all ages, experience and backgrounds. In experimental demonstrations, we setup the school level (5th to 10th std) syllabus based experiments and their demonstration. In a school due to the lack of chemicals and materials they do not clearly understand the science behind the experiment practically. This weakness of the school is keep in mind, then we decided to organize the *EXTENSION ACTIVITY* for school students.. We allotted the experiments to the students of M. Sc. I (Chemistry) they actively prepare their experiments and their demonstrations very nicely. They also prepared some charts for understanding of reactions. All school students has good enthusiasm about the experimental demonstrations and also participate the practical experience of experiment. The main purpose of this programme is to enhance the science awareness in school level students. This activity was one of the activities of Chemistry department which was celebrated outside the college campus. The main theme of the activity was to involve students in chemistry they already learned and pass on that knowledge to others including all of those who are unaware of the world of chemicals yet including their elders.

Main Objective of the activity:

1. Enhance the science awareness.
2. Knowledge behind the experiments.
3. Excitement in chemical reaction (Chemical Locha).
4. Thinking and reality of experiments.
5. Community between college to school students.
6. Increase the confidence and understanding.
7. Enhance the communication skill.

Under this activity every student of M. Sc. I (Organic Chemistry) was assigned with an experiment having some magic in it. Experiments were designed so as to be performed easily with the chemicals available in laboratory. Students were asked to choose experiments having minimum risk and less hazardous of chemicals. Almost all the experiments selected could be performed at room temperature as well as at ambient conditions. School students were given the opportunity to perform the experiments on their own, handle the different glassware's, ask their queries and solve them. Some of the experiments involved were based on superstitions and daily household chemicals. Inauguration and Felicitation



INAUGURATION AND FELICITATION NEW ENGLISH SCHOOL, KAVATE EKAND



NEW ENGLISH SCHOOL, KAVATE EKAND





LOKNETE DIKAR (ABA) PATIL SECONDARY AND HIGH SCHOOL, KUMATE



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Padmabhushan Dr. Vasantraodada Patil Mahavidyalaya, Tasgaon

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List of Students Experimental Demonstrations

Sr. No.	Name of Student	Title of Experiment
1.	Awasure Ganesh Mohan	Invisible Glass
2.	Bhasme Aditya Sunil	Invisible Metal
3.	Chougule Pooja Vilas	Chemical Cut
4.	Datar Prasad Sudhir	Magic Bubbles
5.	Desai Sanyogita Surendra	Alien Sound
6.	Dubal Poonam Netajirao	Chemical Chameleon
7.	Jadhav Rutuja Uttam	Water Density
8.	Karande Pranali Nandkumar	Magic Fire
9.	Kavatagi Sunil Basavraj	Invisible Ink in Bottle
10.	Kodag Audumbar Duryodhan	Instrumental
11.	Koli Pradnya Mallappa	Chemical Cocktail
12.	Kshirsagar Rushikesh Rajendra	Magic Foam
13.	Kudale Nisha Kerubaba	Chemical Volcano
14.	Lavte Sayali Dattatray	Magic Clouds
15.	Lohar Revti Sham	Elephant Toothpaste
16.	Mahajan Onkar Bharat	Magical Solution-Gum
17.	Mali Komal Keshav	Chemical Cake

18.	Mali Parvati Prakash	Flaming Flask
19.	Mali Priyanka Mahipatee	Magic Flame
20.	Mane Samruddhi Sanjay	Fire on Water
21.	Mohite Vipul Dashrath	Fire Snake
22.	Mushrif Nazheen Shams	Elephant's Head
23.	Patil Rohoni Ramchandra	Fire on Ice Cube
24.	Patil Sneha Ganesh	Fire in Water
25.	Patil Snehal Balaso	Detective Water
26.	Patil Snehal Mahadev	Unbeatable Fire
27.	Patil Sujata Dilip	Chemical Milk Shake
28.	Patil Utkarsha Charan	Bleeding of Wire
29.	Pawar Sngam Namdev	Sodium Dancing
30.	Phadtare Sanjay Bapu	Magical Smoke
31.	Thorat Rameshwari Sarjerao	Magical Water
32.	Sale Shashikant Sarjerao	Magical Fumes
33.	Salunkhe Priyanka Baban	Genie in the Bottle
34.	Sankpal Vijay Krushna	Smoke Bomb
35.	Sawale Pravin Popat	Egg Dissolution
36.	Jamadar Soheb Shahit	Fire Without Matches
37.	Shembade Surekha Kisan	Magical Fluid
38.	Shingate Priti Dhananjay	The Huge Snake
39.	Vasudev Mayuri Jayant	Soda-Vinegar Balloons
40.	Pandeji Hrishikesh Narayan	Organic Fiber
41.	Patil Poonam Arjun	Water Density

Tasgaon tahsil comprises mostly a rural area with more than 50 secondary and higher secondary schools. Many of the schools lack well equipped laboratories. And some them don't even have laboratories at all. Therefore, school children never obtain as much practical knowledge as required. For the sake responsibility towards them we have decided to make this as our "Best Practice" and continue this unique task every year.

This activity is organized by Department of Chemistry;

1. **Mr. Sachinkumar K. Shinde**, Assistant Professor
2. **Mr. Ashutosh A. Jagdale**, Assistant Professor
3. **Mr. Shashikant A. Damate**, Assistant Professor
4. **Miss Archana S. Rajmane**, Assistant Professor
5. **Mr. Babaso B. Kagwade**, Laboratory Attendant



Mr. Sachinkumar K. Shinde
(Organizing Secretary)



Prof. (Dr.) Suresh S. Patil

HEAD
DEPARTMENT OF CHEMISTRY
PD.VP. COLLEGE, TASGAON.