



DR. AMBEDKAR COLLEGE, DEEKSHABHOOMI NAGPUR

DEPARTMENT OF CHEMISTRY



American Chemical Society International Student Chapter

Inculcating roots of Chemistry in young minds through “Chem- Inspire”.

Name of Program: Inculcating roots of Chemistry in young minds through “Chem- Inspire”.

Organised by: Department of Chemistry Under the Aegis of American Chemical Society International Student Chapter.

Venue of Program: Chemistry Department, Dr. Ambedkar College, Nagpur.

Date of the Program: 18 February 2025

No. of Participants: 43

Introduction:

American Chemical (ACS) and The Department of Chemistry at Dr. Ambedkar College had the privilege of organizing a science outreach initiative titled "*Chem Inspire*". This program was driven with the motto to nurture scientific curiosity and a deeper appreciation for chemistry among school students. This year our team had the chance to welcome students of Somalwar High school.

The core objective of *Chem Inspire* was to cultivate a spirit of inquiry and inspire the blooming minds to explore the dynamic and impactful world of chemical sciences in an amusing way. We wanted to make this event fascinating but also insightful for the students. So, our chemistry demonstrations were coupled with a lab introduction session, where students were acquainted with various equipment used in a chemistry lab on general basis. Also, lab safety measures were explained before demonstrations.

Program Highlights:

Inaugural Session:

The event commenced with a cordial welcome extended by the faculty of the Chemistry Department **Ms. Karuna Shahani, Dr. Ratnadeep Sawant sir, Dr. Pravin Deharkar sir** and **Dr. Twinkle Wankhede**. The brief address emphasized the varied application of chemistry in our daily life.

A series of captivating and thoughtfully curated experiments were demonstrated by the members of ACS under guidance of Faculty co-advisor **Ms. Karuna Shahani** which included:

- Thunder in test tube

- Experiment based on superstition
- Chemical chameleon
- Golden rain

After each demonstration the visiting students were allowed to ask questions, share observations, and participate in discussions. These interactive moments fostered active learning and ensured that the concepts behind each experiment were well understood and appreciated.

Laboratory Walkthrough:

Participants were taken on a guided tour of the college's chemistry laboratories, where they observed basic and advanced analytical instruments. This exposure to a collegiate scientific environment left a strong impression on the students, many of whom expressed a desire to pursue science further.

Feedback and Acknowledgements:

The faculty and accompanying teachers from Somalwar High School expressed sincere appreciation for the initiative by our team and college. Feedback of students was also taken via handwritten feedback forms some of them are further attached in the report.

Conclusion:

Chem Inspire proved to be a resounding success. It possible to carry out this event successfully due to guidance and support of **Prof. Dr. Deepa Panhekar** officiating Principal and Faculty advisor of American Chemical Society, Dr. Ambedkar College. The event didn't just help school student but also helped our new members to learn something and explore an amazing experience.





Attendance sheet:

Dr. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR
DEPARTMENT OF CHEMISTRY
SESSION 2025-26
ATTENDANCE SHEET SCHOOL TO LAB. ACTIVITY

Sr. NO.	NAME	AGE	GENDER	SIGN
1.	Vaidhi P. Shende	15	female	Vaidhi (7 th A)
2.	Matisha S. Humne	14	female	M.S. Humne (7 th A)
3.	Siyani A. Chape	12	female	(7 th A)
4.	Yashrajee V. Mumbekar	12	female	Y.V. (7 th A)
5.	Pranik Sarang Awale	12	Male	Pranik (7 th A)
6.	Sai Anait Thakur	12	Male	Sai (7 th A)
7.	Rudra Vijay Kaulkhar	13	Male	Rudra (7 th A)
8.	Pranay Vinod Madale	14	Male	Pranay (7 th A)
9.	Siddhard Parindra Shiv	13	Male	S (7 th A)
10.	Manaswini Meju Mda	13	female	Manaswini (7 th B)
11.	Shas & Rutaze	13	female	Shas (7 th B)
12.	Gargi G. Raut	14	female	Gargi (7 th B)
13.	Darini V. Chaudhary	13	female	Darini (7 th B)
14.	Somudhi N. Patil	15	female	Somudhi (7 th B)
15.	Ashwarya K. Dikare	13	male	A.K. (7 th B)
16.	Om V. Ghoshale	13	male	Om (7 th B)
17.	Nahit V. Kulkarni	12	male	Nahit (7 th B)
18.	Ashok R. Story	12	male	Ashok (7 th B)

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DEPARTMENT OF CHEMISTRY
SESSION 2025-26
ATTENDANCE SHEET SCHOOL TO LAB. ACTIVITY

Sr. NO.	NAME	AGE	GENDER	SIGN
1.	Bhavan R. Yekwar	14	male	Bhavan (8 th A)
2.	Aryan R. Madale	14	male	Aryan (8 th A)
3.	Ansh M. Patil	14	Male	Ansh (8 th A)
4.	Roham S. Ganikwar	14	Male	Roham (8 th B)
5.	Sudhil R. Phoke	14	Male	Sudhil (8 th A)
6.	Charushi V. Thakre	13	Female	Charushi (8 th A)
7.	Danyani G. Yadav	13	Female	Danyani (8 th B)
8.	Ruhndhi S. Hadke	13	Female	Ruhndhi (8 th A)
9.	Divya R. Jaghate	14	Female	Divya (8 th B)
10.	Divya C. Kamble	14	Female	Divya (8 th B)
11.	Shriya R. Chutkare	14	Female	Shriya (8 th B)
12.	Vaidhi A. Bhange	13	Female	Vaidhi (8 th B)
13.	Anushi B. Gite	13	Female	Anushi (8 th B)
14.	Divya B. Divivedi	15	Male	Divya (8 th B)
15.	Kaustubh A. Dine	14	Male	Kaustubh (8 th B)
16.	Saloni K. Thakre	14	Female	Saloni (8 th A)

19th
Dr. AMBEDKAR COLLEGE, DEEKSHABHOOMI, NAGPUR
DEPARTMENT OF CHEMISTRY
SESSION 2025-26
ATTENDANCE SHEET SCHOOL TO LAB. ACTIVITY

Sr. NO.	NAME	AGE	GENDER	SIGN
1.	Aarush A. Sirsat	14	Male	Aarush (9 th B)
2.	Beनाव A. Chopade	14	Male	Beनाव (9 th B)
3.	Divyanshu R. Chouhan	14	Male	Divyanshu (9 th B)
4.	Karan G. Nagare	14	Male	Karan (9 th A)
5.	Divya V. Kaurase	14	Female	Divya (9 th A)
6.	Ananya M. Sirsat	14	Female	Ananya (9 th A)
7.	Nandini M. Shendre	14	Female	Nandini (9 th B)
8.	Sanakshi P. Deshpande	14	Female	Sanakshi (9 th A)
9.	Daksh V. Kardukare	14	Male	Daksh (9 th A)

Feedback forms from the students:

Dr. Ambedkar College, Deekshabhoomi, Nagpur
Department of Chemistry
Session 2025-26
Feedback Form; Lab To School Activity

Name: Arash M. Pawar
Class: 8th
School Name: Somalwar H. School, Khamla

- How would you rate your overall experience in the Lab to School program?
 Excellent Good Average Needs Improvement
- Did the experiments help you understand the topic better?
 Yes No Somewhat
- How excited are you to learn more about this subject after attending the session?
 Very excited Somewhat interested Not interested
- Did you feel encouraged to ask questions and participate?
 Yes, a lot Sometimes No, not really
- What was the most interesting thing you learned during the session?
The most interesting thing I learned was Thunder Storm and Golden rain.

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Department of Chemistry
Session 2025-26
Feedback Form; Lab To School Activity

Name: Saravdhu Pathade
Class: 11th
School Name: Somalwar high school, Khamla

- How would you rate your overall experience in the Lab to School program?
 Excellent Good Average Needs Improvement
- Did the experiments help you understand the topic better?
 Yes No Somewhat
- How excited are you to learn more about this subject after attending the session?
 Very excited Somewhat interested Not interested
- Did you feel encouraged to ask questions and participate?
 Yes, a lot Sometimes No, not really
- What was the most interesting thing you learned during the session?
The most interesting thing I like the experiments of chemistry and the experimts explain the experimts. I understand the topic and

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Department of Chemistry
Session 2025-26
Feedback Form; Lab To School Activity

Name: Ashwarya K. Dukare
Class: 7th
School Name: School Somalwar high school Khamla

- How would you rate your overall experience in the Lab to School program?
 Excellent Good Average Needs Improvement
- Did the experiments help you understand the topic better?
 Yes No Somewhat
- How excited are you to learn more about this subject after attending the session?
 Very excited Somewhat interested Not interested
- Did you feel encouraged to ask questions and participate?
 Yes, a lot Sometimes No, not really
- What was the most interesting thing you learned during the session?
I learned various things in this exhibition, and my favourat experimnt is rainbow experimnt and I did many good expernce in this done.

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Department of Chemistry
Session 2025-26
Feedback Form; Lab To School Activity

Name: Divya V. Kaurast
Class: 9th
School Name: Somalwar high school

- How would you rate your overall experience in the Lab to School program?
 Excellent Good Average Needs Improvement
- Did the experiments help you understand the topic better?
 Yes No Somewhat
- How excited are you to learn more about this subject after attending the session?
 Very excited Somewhat interested Not interested
- Did you feel encouraged to ask questions and participate?
 Yes, a lot Sometimes No, not really
- What was the most interesting thing you learned during the session?
The most interesting thing experiment that I learned was Thunder storm, superstition and gold golden rain and physics's projectile motion. I love this session very much.

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Department of Chemistry
Session 2025-26
Feedback Form; Lab To School Activity

Name: Dikyanshu R. Chouhan
Class: 9th
School Name: Somalwar High School Khamla

- How would you rate your overall experience in the Lab to School program?
 Excellent Good Average Needs Improvement
- Did the experiments help you understand the topic better?
 Yes No Somewhat
- How excited are you to learn more about this subject after attending the session?
 Very excited Somewhat interested Not interested
- Did you feel encouraged to ask questions and participate?
 Yes, a lot Sometimes No, not really
- What was the most interesting thing you learned during the session?
The most interesting thing that I have learned during the session was the thunder storm golden rain experiment.

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Session 2025-26
Feedback Form; Lab To School Activity

Name: Goleni V. Thakur
Class: 8th
School Name: Somalwar high school Khamla

- How would you rate your overall experience in the Lab to School program?
 Excellent Good Average Needs Improvement
- Did the experiments help you understand the topic better?
 Yes No Somewhat
- How excited are you to learn more about this subject after attending the session?
 Very excited Somewhat interested Not interested
- Did you feel encouraged to ask questions and participate?
 Yes, a lot Sometimes No, not really
- What was the most interesting thing you learned during the session?
The most interesting thing I've learned during the session was chemistry's all experiments and physics part was also really interesting but laws of light and reflections were the best my physics and in chemistry the most inter best was golden rain.

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Session 2025-26
Feedback Form; Lab To School Activity

Name: Kaushik V. Mundeke
Class: 7th
School Name: Somalwar High School Khamla

- How would you rate your overall experience in the Lab to School program?
 Excellent Good Average Needs Improvement
- Did the experiments help you understand the topic better?
 Yes No Somewhat
- How excited are you to learn more about this subject after attending the session?
 Very excited Somewhat interested Not interested
- Did you feel encouraged to ask questions and participate?
 Yes, a lot Sometimes No, not really
- What was the most interesting thing you learned during the session?
The most interesting thing I learned during the session was lemon decomposition because I have learned that the black magic is fake that's lie.

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Feedback Form; Lab To School Activity

Name: Divya Babasa. Gajghate
Class: 8th
School Name: Somalwar High School Khamla, Nagpur

- How would you rate your overall experience in the Lab to School program?
 Excellent Good Average Needs Improvement
- Did the experiments help you understand the topic better?
 Yes No Somewhat
- How excited are you to learn more about this subject after attending the session?
 Very excited Somewhat interested Not interested
- Did you feel encouraged to ask questions and participate?
 Yes, a lot Sometimes No, not really
- What was the most interesting thing you learned during the session?
The most interesting thing was golden rain