



Department of Chemistry

Name of the activity/Programme: Outreach School Activity - Learning by doing & Student engagement initiative.

Theme: Connecting Classroom Learning to Chemistry in everyday life.

Name of the scheme: Helping Local schools to achieve good results and enhance their enrolment in higher/ technical/vocational education (NSS and Unath Bharat Abhiyan)

Date of activity: 06-09-2025

Number of teachers participating in such activities: 03

Number of students participating in such activities: 70

An Outreach activity was organised by the Department of Chemistry in association with NSS unit, BMS College of Engineering on 06-09-2025, for students of BBMP High School, Ashok Nagar, Bengaluru. The programme aimed at sparking curiosity in chemistry. The students of class 8, 9 & 10 had the opportunity to witness and engage with a series of interactive experiments directly connected to their curriculum. From colourful reactions and demonstrations of acids and bases to solution chemistry, the activities highlighted how classroom concepts translate into real-life applications. The visit created a vibrant atmosphere where students asked questions, discussed the science behind the experiments, and left with a deeper appreciation of chemistry's role in everyday life.

Outcomes

1. Students gained experiential understanding of chemistry concepts covered in their curriculum.
2. The demonstrations enhanced curiosity, participation, and interactive learning beyond classroom teaching.
3. Teachers observed improved student engagement, with many asking questions and showing interest in science-related activities.
4. Strengthened collaboration between BMSCE and local schools, supporting community outreach.

Any other relevant details

1. The activities included simple and visually engaging experiments such as colour-change reactions, precipitation reaction, density, Flame test, acid-base demonstrations, and solution chemistry.
2. Photographs and the event brochure/invitation are enclosed along with this report.
3. The students enjoyed the hospitality (Snacks & return gift) provided by Department of Chemistry, BMSCE.

Photographs of the outreach activities



Participant attendance

1.	Nagunaj (10 th)	
2.	Preetam (10)	
3.	Anish (10)	
4.	Parshu (10)	
5.	Manoj Prasad (10)	
6.	Nandan (10)	
7.	Gravesh (10)	
8.	Siddharth (10)	
9.	Mallikarjun (10)	
10.	Mohith (10)	
11.	Dishanth (10)	
12.	Kushal (10)	
13.	Pranav (9)	
14.	Harshvardhan (9)	
15.	Darshan (9)	
16.	Ranganatha (9)	
17.	Gravesh (9)	
18.	Raghuvar (9)	

Name	Slno
Devraj (8 th)	
Chandrika (9 th)	
Sampath Kumar (8 th)	
Ammu (8 th)	
Pavithra (8 th)	
Monish (8 th)	
Archana (9 th)	
Deekshith (8 th)	
Punith (8 th)	
Varshitha (9 th)	
Bharath (8 th)	
Filal (8 th)	
Vishnu (8 th)	
Santosh (8 th)	
Yadukul (8 th)	
Guru Kiran (8 th)	
Chiranthan (8 th)	

Student List		
s/no	Name	s/no
01	Suranjan	
02	Bhima Reddy	
03	Sharan Reddy	
04	Gagan	
05	Deepak	
06	Gagan	
07	Vishnu R.K	
08	Aje. Sury	
09	Ravikiran	
10	Gokul	
11	Mahesh	
12	Anil	
13	Jagadeesh	
14	Ayush	
15	Sambash R	
16	Mannu	
17	Madhu	

Students List		
s/no.	Name	s/no.
1)	Kiran Kumari	
2)	Lakshmi	
3)	Moshitha. D	
4)	Kusuma. R.	
5)	Kajal.	
6)	Archana	
7)	Sujitha	
8)	Krushika	
9)	Shweta	
10)	Mallamma	
11)	Gagana	
12)	Baramma	
13)	Vasalakshmi	
14)	S.K. Sai Madhura	
15)	Abhishta. S	
16)	Amrutha	
17)	Sahana	
18)	Nishika	

Volunteer list

06/09/2025.	
Volunteers List.	Signature.
① Dhanushree M.	Dhanushree M.
② Kavya. D	Kavya
③ Kanishka Mishra	
④ Kundan Agarwal	
⑤ Pramitha	Pramitha

Feedback from students

"Hi my name is Mohit. G" it's was amazing day in B.M.S collage. and we visited the. its Hug campus and we came to the Science lab. Chemistry lecture became chemistry teachers teach abouts, soultions clear soultion, ~~colloid~~ Colloidal soultion And Suspension soultion class gone exiting the class was super special to use After wards they given use patties and jalbe the tomato Sauce. the patties. After we done experiment "I was ~~very~~ overbantege

In an experiment The collage Jantastick campus was neat and clean of the ~~scenaro~~ Sencenaro was very ~~beutiful~~ beautiful, very ~~amz~~ amazing. The experement was the mind Blowing. experiment we gained so ~~much~~ much knowlegde forun is experment ~~Then~~ Thank for this opporchunity

ಈ ದಿನ ನಮ್ಮ ಪ್ರಮುಖ ತುಂಬ ಚೆನ್ನಾಗಿದೆ
ಎಷ್ಟುನದಲ್ಲ ಕೆಲವು ವಸ್ತುಗಳನ್ನು ಬಣ
ಬದಲಾಯಿಸುವುದು ೧೦೦ನ ಬಗೆ ೨೪೦೦
ಕೆಲವು ಚೆನ್ನಾಗಿ ಬಣ ಬದಲಾಯಿಸುವುದು
೨೪೦೦ ವಸ್ತುಗಳನ್ನು ಪ್ರಭವ
ಇದನ್ನು ನನಗೆ ತುಂಬ ಇಷ್ಟವಾಯಿತು
ಶಿಕ್ಷಕರು ಚೆನ್ನಾಗಿ ಹೇಳಿದರು
ಧನ್ಯವಾದಗಳು

ನಾಳೆ ಇಲ್ಲ ಕೆಲವು ಐವತ್ತಿಗೆ ಬಂದ
ಮತ್ತು (ಪ್ರೀತ್ಯಾಪ್ತಿಯಾಗಿ ಬಂದ ಕೆಲವು).

ಮತ್ತು ಕೆಲವು ಬಂದ ಮತ್ತೆ ಕೆಲವು ಬಂದ
ಬಂದ ಮತ್ತೆ ಕೆಲವು ಬಂದ ಸೆಲ್ಯುಡಿನ
ಸೆಲ್ಯುಡಿನ ಸೆಲ್ಯುಡಿನ, ಸೆಲ್ಯುಡಿನ
ಮತ್ತು ಇದರ ಮಹತ್ವ ಅಲ್ಲದೆ

(ನೀರಿಗೆ ಅಕ್ಕಿಹಾಕಿ ಬೇರಿಸಿದಾಗ ಎನಗಿತ್ತು
ಎಂದು ಅಲ್ಲದೆ.)

(ಕೆಲವು ಬಂದ ಅಲ್ಲದೆ.)

ಗಾಜಿನ ರಾಡ್‌ಗಳು ಮತ್ತೆ ಬೇರೆಗಳಾಗಿ
ಬಂದ ಒಬ್ಬನಿಗೆ ನೋಡಿದವು.

Name:- SAMIPATH KUMAR.
School:- B.B.M.P. HIGH SCHOOL
ASHOKNAGARA (BASAVANAGUDI) PT.O

ಲಞ್ಞಾನ

ಲಞ್ಞಾನ ಒಗ್ಗ ಕ್ರಿಯೆ ಕೂಡಿದೆ.

ಉದಾಹರಣೆಗೆ ಕ್ರಿಯೆ ಕೂಡಿದೆ.

Acid + Metal carbonate $\rightarrow$ Salt + $\text{CO}_2 \uparrow$ (g)

H_2O ಉಪ್ಪು + ಲವಣ ಕಾರ್ಬೋನೇಟ್ $\rightarrow$ ಲವಣ +

$\text{CO}_2 \uparrow + \text{H}_2\text{O}$

① Acid + Metal $\rightarrow$ Salt + $\text{H}_2 \uparrow$ (g)

ಉಪ್ಪು + ಲವಣ $\rightarrow$ ಲವಣ + $\text{H}_2 \uparrow$ (g)

② Soluble + Soluble $\rightarrow$ Insoluble + Salt

Salt + Salt Salt ಕರಗುವ + ಕರಗುವ $\rightarrow$ ಕರಗದ

ಕರಗದ ಉಪ್ಪು ಉಪ್ಪು ಉಪ್ಪು ಉಪ್ಪು

Yadukul Bil

8th class

B.B.M.P. High School

* ಇಲ್ಲ ನಮ್ಮಗೆ ಹೇಳೋಣ ಎದ್ದಿನ ತುಂಬಾ ಚೆನ್ನಾಗಿತ್ತು

* ಇಲ್ಲ ಮಾಡಿದ ಪ್ರಯೋಗ ಎಂದ ನಮ್ಮ ತುಂಬಾನ್ ತೋಡುಕೊಂಡಿ
-ಹೆನ

* ನಮ್ಮಗೆ ಹೇಳೋಣ * ಕಿರುಕು ತುಂಬಾನ್ ಚೆನ್ನಾಗಿ
ಹೇಳೋಣರು.

* ಇಲ್ಲನೆ ಉತ್ತರಾಣ್ಣ ತುಂಬಾನ್ ಚೆನ್ನಾಗಿತ್ತು

* ಯಾಲ್ಗೇತ್ತಿ ನಮ್ಮಗೆ ಮೋಡಲು ಹೇಳೋಣರು
ಕಿರುಕು ನಾಗ ಶ್ರೀ ಮೇಡಾಮ ತುಂಬಾನ್
ಚೆನ್ನಾಗಿ ಹೇಳೋಣರು

* ಇಲ್ಲನೆ ಮೊರು ಮಂತ್ರ ನಮ್ಮಗೆ ತುಂಬಾನ್ ತೋಡುಕೊಂಡಿತ್ತು
-ಹೆ

* ನಮ್ಮಗೆ ಪ್ರಯೋಗ ಮಾಡಿದ ಯಲ್ಲಾ ಕಿರುಕು
ನನ್ನೆ ಲೀತೆಯ

ಎಂದನಗ್ಗ

Name : ~~_____~~
Class : ~~_____~~

~~Type of sol~~

"Hi My Name is ^{gaur} ~~_____~~. Today we came to B. M. S College
our school friends and our classmates fore seeing a B. M. S
College exhibition. the teacher were explained about solutions
like a saturated solution which means in an solution if we
add more element in an solution it will. saturated solution
colloidal solution which means When we are looking before
rice we will clean in cleaning or rice ~~as~~ we will wash
a rice it. that the rice and water mix and become a solution
The teacher explained about many solution like saturated solution
salt solution, colloidal solution etc..
and the immiscible solution which means the substances
which will not mix with each other.

miscible solutions ~~that~~ The substance which mix with each
other
~~and they solve some ex.~~

and the formic acid and soap mix with each other it form
an. red solution and they solve some ^{which contain} potato starch
~~which mix with each other if we mix iodine it convert~~
blue

flame test

which means the ~~beable~~ in the fire we add calcium
it converts red because the substance come from it
we see like in a colour and they show etc they show