

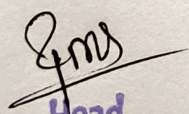
**TATKARE CHARITABLE TRUST'S
DR.S.N.D. ARTS, COMMERCE & SCIENCE COLLEGE,
GOVE-KOLAD, ROHA-RAIGAD**

DEPARTMENT OF SCIENCE

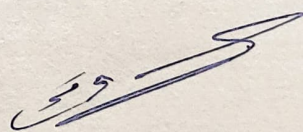
DATE-13/12/2019

NOTICE

All Student of SCIENCE faculty is hereby inform that the Department of SCIENCE have organized Best practice on Lab Safety Rules on 17/12/2019
Interested Students can give their name to HOD.


Head
Department of Chemistry




PRINCIPAL
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**TATKARE CHARITABLE TRUST's
DR.S.N.D ARTS, COMMERCE, AND SCIENCE COLLEGE
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DEPARTMENT OF SCIENCE
ACADEMIC YEAR 2019-2020**

LAB SAFETY RULES FOR STUDENTS

Laboratories are hubs of hands-on experiments and research, where students explore the wonders of science. However, the potential hazards that accompany such experiences demand a cautious and responsible approach. So in this year we aware our students by taking best practice by cognizance them about lab safety rules.

We given information on how to spot potential dangers, be careful in our actions, and follow safety rules to make the lab a safe and awesome place for learning and discovery. Total 40 students present in this practice.

This Practice helps overcoming consequence on :-

1. Potential Hazards in a Lab

Laboratories house various chemicals, equipment, and procedures that can pose risks if not handled properly. Chemical spills, fires, explosions, and exposure to toxic substances are some of the potential hazards students may encounter. By recognizing these risks, students become aware of the necessity for taking necessary precautions and adopting a safety-first mindset.

2. Need for a Cautious and Responsible Behaviour

In any laboratory setting, cautious and responsible behavior is non-negotiable. Students must follow instructions meticulously, be attentive, and avoid any shortcuts. Complacency or carelessness can lead to serious accidents that may not only harm the individual but also jeopardize the safety of others in the vicinity.

3. Consequences of Neglecting Safety Protocols

Neglecting safety protocols can result in dire consequences. Accidents may lead to injuries, property damage, and even legal repercussions. Additionally, neglecting safety can hinder the learning process, as students may be hesitant to engage fully in experiments if they feel unsafe. Adhering to safe lab practices not only safeguards the well-being of students but also enhances the accuracy and reliability of experimental results. By establishing a culture

of safety, educators instill valuable habits that students can carry forward into their future scientific endeavors.

SAFETY RULES INCLUDES :-

1. Proper Handling and Storage of Chemicals:-

Chemicals are an integral part of laboratory work, but they can be hazardous if mishandled. It is crucial for students to be well-informed about the properties of each chemical they are working with and to follow precise procedures for their handling and storage. This includes using the correct labeling, storing chemicals in designated areas, and avoiding incompatible combinations that could lead to reactions.

2. Wearing Appropriate Apron:-

Apron is the first line of defense against potential hazards in the lab. Students should wear the necessary gear, such as lab coats, and girls should tie hair up and closed-toe shoes, to protect themselves from chemical spills, splashes, and other accidents.

3. Preventing accidents with good lab hygiene:-

Maintaining good lab hygiene and organization is essential for accident prevention. Keeping the workspace clean and uncluttered reduces the likelihood of accidental spills or tripping hazards. Properly disposing of waste materials and cleaning up after experiments are equally important. Additionally, students aware of emergency exits and safety equipment locations in the lab.

Laboratory safety rules are the backbone of a secure and conducive learning environment in science labs. By providing students with detailed explanations of essential science lab safety rules, emphasizing proper handling of chemicals and equipment, educating them about fire safety and emergency procedures, stressing the importance of waste disposal, and instructing them on dealing with accidents and injuries, educators can foster a culture

of safety that empowers students to explore the wonders of science with confidence and responsibility this is our motto behind our best practice..

❖ Handling of Chemicals and Equipment

Proper handling of chemicals and lab equipment is a cornerstone of lab safety. Students educated on how to measure, mix, and use chemicals safely. This includes understanding chemical compatibility, avoiding cross-contamination, and following precise instructions for experiments. Mishandling chemicals and equipment can lead to hazardous situations, making this rule of paramount importance.

❖ Proper Disposal of Waste Materials

The proper disposal of waste materials is an essential aspect of lab safety and environmental responsibility. Students are aware of the designated waste disposal areas and the specific requirements for each type of waste. Incorrect disposal could lead to chemical reactions, environmental contamination, or potential harm to lab staff.

❖ Dealing with Accidents and Injuries

Despite all precautions, accidents can still occur in the lab. In the event of an accident or injury, students are aware of appropriate procedures to follow. This includes seeking immediate medical attention for injuries, reporting incidents to the lab supervisor, and documenting the details of the accident for future reference and improvement.

Additional Guidelines for Specific Experiments and Activities :-

Different experiments and activities require tailored safety guidelines to mitigate specific hazards. For instance, experiments involving volatile substances may demand additional ventilation measures to prevent the buildup of harmful fumes. Similarly, procedures that produce aerosols might necessitate the use of specialized respiratory protection. By

Measure 6: PROPER MEASUREMENTS:

Use calibrated instruments for accurate measurements, and double-check measurements before proceeding with the experiment.

Measure 7: NO EATING OR DRINKING:

Emphasize the importance of not consuming food or beverages in the lab to avoid accidental ingestion of hazardous substances.

CONCLUSION:-

In conclusion, Lab safety rules remain of utmost importance for every student engaged in scientific exploration. By adhering to these guidelines, we ensure a secure and conducive learning environment, fostering a culture of responsibility and care. Why are Lab rules important? Making it imperative for students to learn and adhere to them. How to handle particular Chemical and how its used and deal with it. Nice response from our students. While coming in lab students started follow up guidelines. This practice effectively improved student's safety awareness and mastering the relevant injury accident handling skills and better realize the goal of lab education.

Lab Safety Rules

1. **ALWAYS** wear an apron or protective clothing when working with chemicals.
2. **ALWAYS** tie back loose hair.
3. **ALWAYS** wear goggles or safety glasses to prevent getting materials in your eyes.
4. **ALWAYS** read the labels on chemicals and heed all warnings.
5. **NEVER** eat, drink or smell the chemicals. Rather carefully "fan" the fumes to your nose.
6. **NEVER** look directly into a test tube or flask. Look at the contents from the side.
7. **NEVER** play around during experiments.
8. **ALWAYS** wash your hands after handling lab materials.

Students participation list :-

1.	BETKAR PRARTHANA PRASANNA
2.	KAJARE KARINA GANPAT
3.	CHALKE RIYA PRABHAKAR
4.	HARNEKAR NIKHIL NARAYAN
5.	DHAMANSE NISHANT HARIBHAU
6.	KUWAR KUSUM MOTILAL
7.	SHAIKH NAVAJ KASIM
8.	GHAG OMKAR VISHNU
9.	KHANDEKAR GANESH RAJENDRA
10.	JADHAV SAKSHI SANJAY
11.	HULE PRADNYA SAKHARAM
12.	KADAM MANALI ROHIDAS
13.	AMIT PRAKASH CHAVAN
14.	DESHMUKH MANESH MAHENDRA
15.	MALUSARE RANI LILADHAR
16.	MADHAVI ANIKET GANPAT
17.	MORE TUSHAR LILADHAR
18.	PARTE TANUJA RAMCHANDRA
19.	GUPTA ANOOP KESHAV
20.	SAYYAD AYESHA AMJAD
21.	MOHITE HARSHAD ATMARAM
22.	SAYYAD ALAINA AMJAD
23.	SAKHILKAR KALPESH DATTARAM
24.	GUPTA AJIT BIHARILA
25.	WAPHILKAR SAYLI VILA
26.	JANGAM AISHWARYA MAHESH
27.	BAILKAR SAYLEE SHANKAR
28.	SAGATE ANJALI ANKUSH
29.	SUTAR RUPALI SUNI
30.	KHARAVLIKAR OMKAR HITENDRA
31.	GHARJALE NARHARI PRAKASH
32.	KHAN SAFIYA YASIN
33.	TUPKAR SAURABH SAHADEV
34.	SANAP SUDARSHAN SANJAY
35.	VINEETH MOHAN
36.	THAMKE ADITYA KRUSHNA
37.	SAYYED AMIR AMJAD
38.	MORE SAMRUDDHI SANJAY
39.	DHAMANSE TANMAY TUKARAM
40.	TADKAR ASHISH KASHINATH

