

Chemistry, It Really Matters!

The excitement and enchantment of the world of chemistry comes to life with Mobile Ed's latest science assembly. We have taken the best and boldest from our past chemistry programs and added state-of-the-art science technology to create a presentation certain to capture the interests of students and staff alike. Students will be treated to an array of experiments which will enable them to develop a thorough understanding of the foundation of all matter: solids, liquids, and gases.

In addition to matter, the perils of environmental mistakes are discussed. Audience participation heightens the interest and the excitement of the students. We also explore natural gases. Students will observe how all of their senses are impacted by the power of gases mixed in different ways. Propane, oxygen, helium, and carbon dioxide are some of the gases explored.

The advancements in synthetic materials are examined as our presenter combines two chemicals which mushroom into a pillow of polyfoam. It is then formed into the shape of a giant yellow "Frisbee" type flying saucer which is left with the school as a memento of our visit.

Safety is an underlying theme of the entire presentation. Students will gain a valuable lesson as they are shown why it is so important to always follow instructions, always use appropriate safety equipment, and never take anything for granted.



All presentations are tailored for each age group (K-9) and will provide appropriate academic content.

Hands-on workshops are also available. For younger students (grades 3 and 4) topics such as the use of liquid nitrogen are explored. Older students (grades 5 through 9) will have the chance to solve a mock bank robbery by exploring the uses of chromatography. A more comprehensive look into acids and bases may also be used during the workshops.

Fantastic program - the students enjoyed it. Faculty felt it was interesting, energetic, amazing and engaging.

Dawson School,
Las Vegas, NV

**For further information please call toll free:
1 - 8 0 0 - 4 3 3 - 7 4 5 9**

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CHEMISTRY, IT REALLY MATTERS

Assembly Information

Age Group: Kindergarten through 9th Grade

Length: 40-45-minutes

Size: The area needed is limited only by the size of the facility. Average audience size is 250.

Presentation Area: A stage or 8' x 25' area. One AC electrical outlet. Access to water for clean-up.

Assistance: Custodial or adult assistance for unloading, set-up, tear-down and loading. Two 6'-8' banquet style tables.

Set-up/Take-down Time: Set-up: 45 minutes. Take-down: 30 minutes.

Content:

- A: The states of matter
- B: Natural gasses
- C: Synthetic materials
- D: Laboratory safety
- E: Responsible use of chemicals
- F: Chemicals and the environment

Hands-on Workshop Information

Age Group: Recommended for 4th through 9th Grade. Students that attend the work shop must have attended the assembly.

Length: 30-45-minutes

Size: Maximum 30 students assisted by a teacher.

Presentation Area: A classroom setting with access to water is recommended. Allow 45 minutes to move to the new setting and set up workshops.

Assistance: A teacher or staff member. 5 tables for the work stations.

Content: Basic concepts learned during the assembly are expanded upon. Through the use of chemistry a mock bank robbery crime is solved using basic scientific methods. Certain groups will do experiments using liquid nitrogen.

Our curriculum based programs are designed to meet or exceed all testing and state requirements.

For further information please call toll free: 1-800-433-7459

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