

National
Science DAY

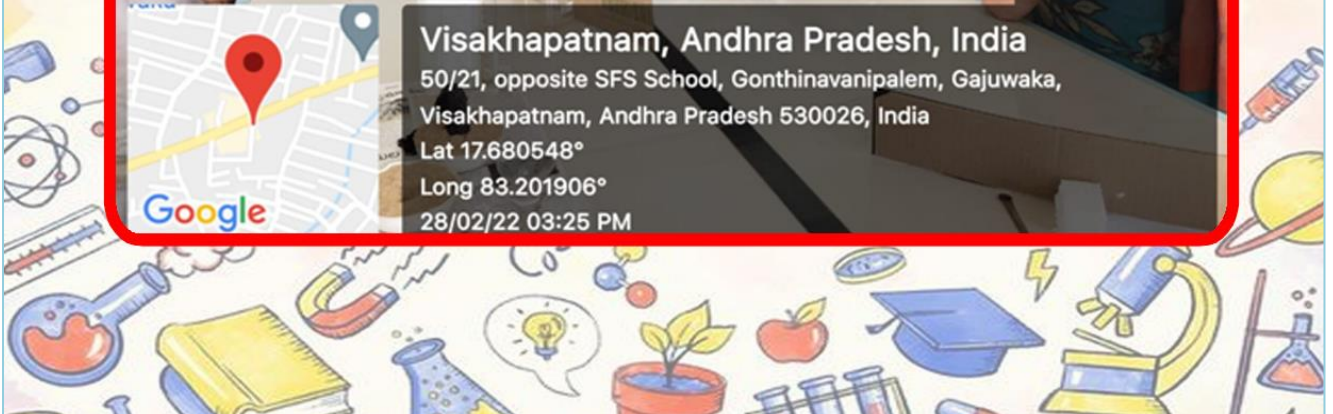


CELEBRATIONS

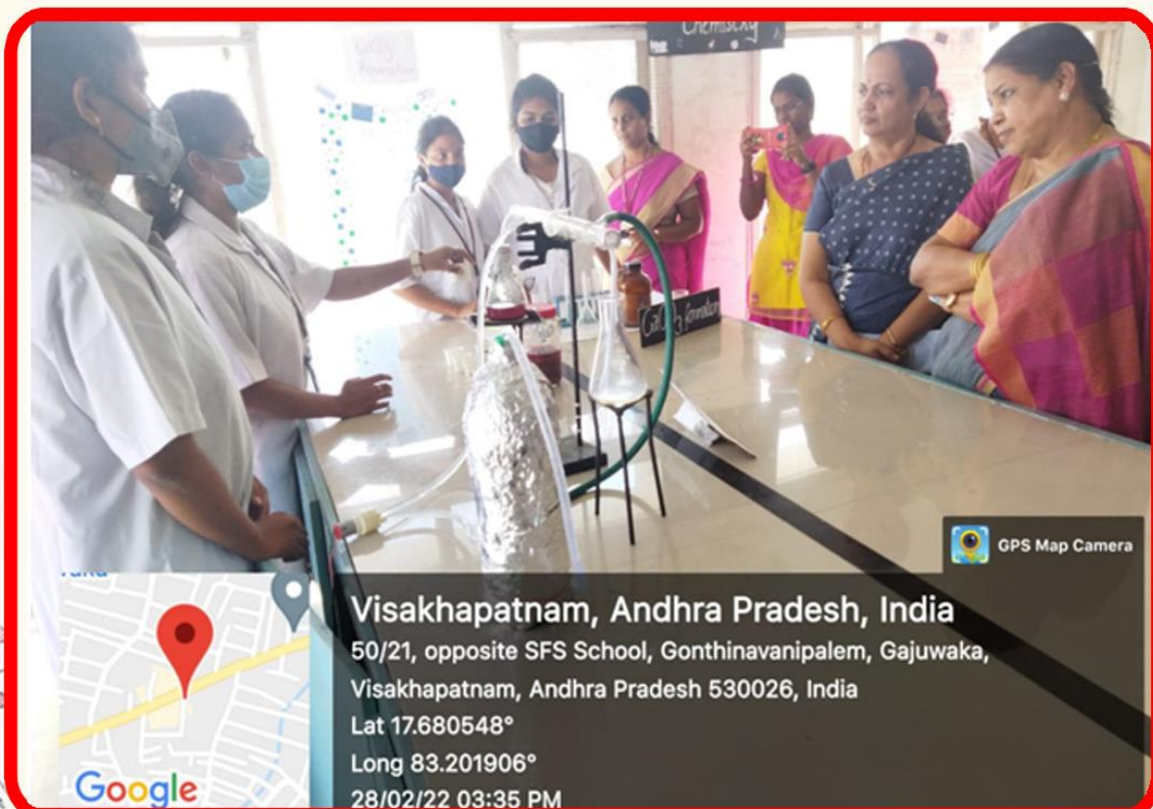
2022



ALCOHOL DETECTOR



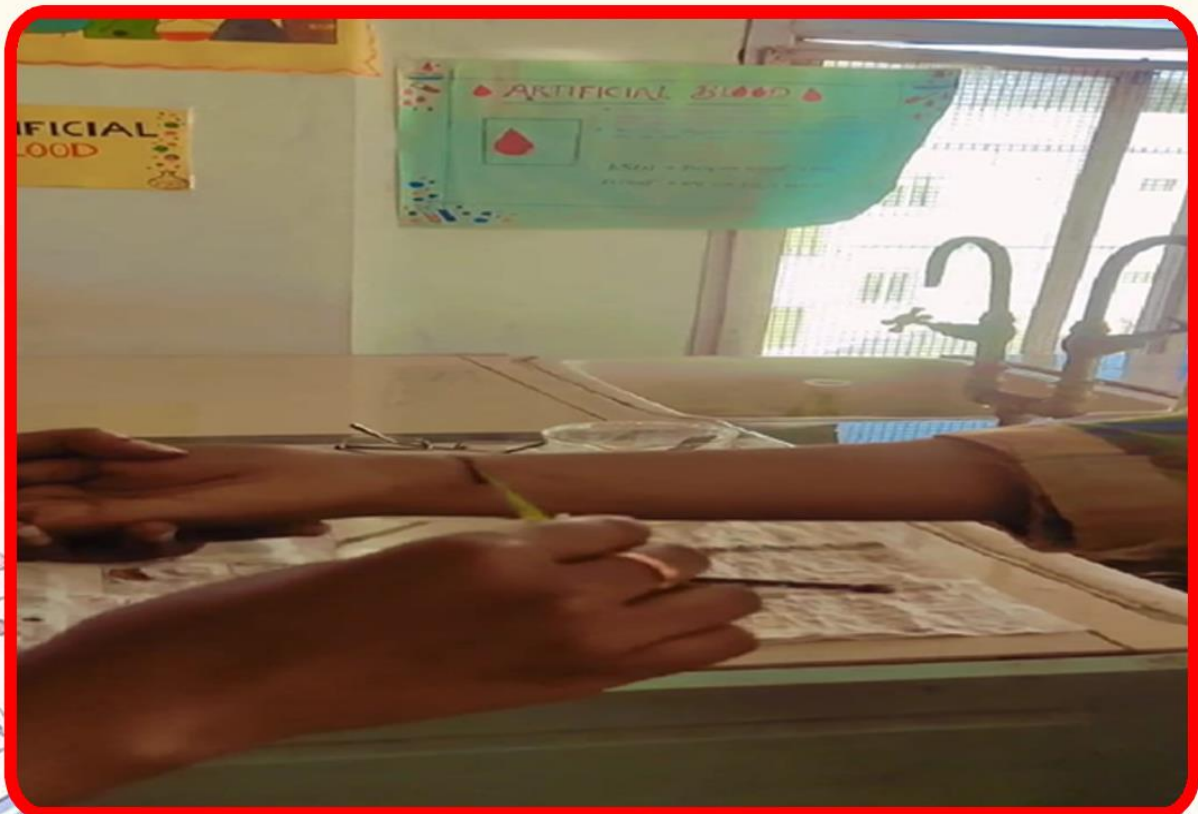
WINE PURIFICATION BY DISTILLATION



INDUSTRIAL POLLUTION AND WATER PURIFICATION PROCESS-MODELS



ARTIFICIAL BLOOD



BLACK SNAKE EXPERIMENT



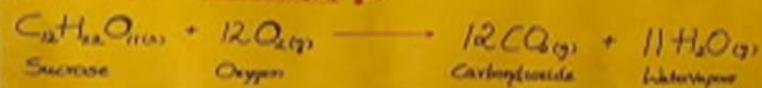
BLACK SNAKE EXPERIMENT

When you set the lighter fluid on fire, the sugar and baking soda mixture also started to burn. As it burned, it created gas bubbles that got trapped, resulting in the black snake structure that rose out of the flames. The snakes grow slowly, & may take 10-20 min to reach full size.

HOW IT WORKS?

BLACK FIRE SNAKE involves heating baking soda to create CO_2 gas. As the gas is released, the snake grows out of the ingredients used. Because heat caramelizes the sugar used, the appearance of the snake "snake". The pressure created by the CO_2 pushes the sodium carbonate out which creates the "black carbon snake". This reaction is referred as the "Dehydration of Sugar".

CHEMICAL REACTION :-)



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