

# MUST-SEE, MUST-DO LABS

WHEN TO GO

Weekend: 11am to 7pm for all visitors

Weekend: 8.30am to 2pm for schoolkids

General public (weekdays): 4pm to 8pm

## WORLD OF BUBBLES

You have to see it to believe it -- you get to stand inside a giant bubble. The bubble, which can be built up to around 10 ft tall, will envelop you. You could be lucky if you can click a picture of that single second it lasts. The bubble hoop which is dipped in the bubble mixture is raised, with you in the middle and the bubble develops around you. The stall will also give you tips on how to make the perfect bubble mixture. You can also let bubbles float in the air. And finally, the lesson learnt? Bubbles are lazy -- they'll end up forming an oval, the shape that requires the least amount of energy to exist.



## COLDEST SHOW ON EARTH

This is where the Arts and Science converge. Organizers have used theatre to describe the complex science of liquid nitrogen. They tell the story of a boy, Luke Warm, who wants to freeze the world, and his scientist aunt. He introduces children to liquid nitrogen, the coldest material on Earth, and create smoke bombs, shrink balloons and other stunning stuff. "This is the first time we've used theatre to explain Science. I am a theatreperson and I studied Science for this show. I have this thirst for knowledge and in every new show, I learn more about Science," said actor Jamie Scot Gordon.



## SOUND AND LIGHT SHAPES

Make water hop and jump to vibrations or make the flames dance to your tune. This and more at the Sound and Light Shapes stall. The Ruben's Cube was a show stopper. The volunteers will help you get a coloured shadow, teach the science behind a CFL bulb glowing in a microwave or even make you ask your Science teacher why waves can't be square in shape. Ranging from frequency to amplitude and vibration, the sound room will help you understand the Physics behind it much better. On the lights side, volunteers will tell you how your eye cheats on you at several of their innovative counters.



## EMERGENCY ROOM

This could be heaven for aspiring doctors. The stall that resembles rooms in a world-class hospital and will let you perform surgery with the help of New Age techniques. Endoscope, LCD screen, grabbers, scissors and anaesthesia to put a patient to sleep - it's all available for you to perform what will probably be the first surgery of your life. You'll get a chance to remove gall bladder stones, clean a wound and stitch it, cut off cysts and in the meantime, also get to know about the human digestive system, cross-section of skin and anatomy of the knees. All this in presence of a skilled surgeon to guide you at each step.



## PONGY POTIONS

A drop of an aromatic concentrated lotion, a small amount of perfume-based oil and a vigorous shake -- and you're ready to step out, wearing your customized perfume. If different kinds of smell intrigue you, land at Pongy Potion. Use tea tree, eucalyptus, cinnamon or rosemary -- the scent prepared will surely transport you to a different world. The stall, apart from teaching how to prepare a perfume, is also about the science of smell. How do you recognize a smell and say it's different from others? Explore how smells can change your emotions, make you feel sick, and even make someone fall in love with you.

