



MAD SCIENCE Holiday programs at Dew Drops

www.singapore.madscience.org



Mad Science Holiday Program

Mad Science Dec 2013 holiday program

Date: Dec 5th and Dec 9th (Once a week for 1st 2 weeks in Dec)

Time: 2:30 to 4:30pm

Duration: 2 hours per program

Venue: Dew Drops, 34 Haig Road Singapore 438739

Age: suitable for P1 to P5

Workshop Program: Young Wizards (Dec 5th)

: Mission Nutrition + Kitchen Chemistry (9th Dec)

Course fees : \$50 for 1x 2 hr program, \$80 for 2x2 hr programs





Young Wizards

Students try their hand at Spells and Potions, and the Mad Scientist reveals the science behind them! During this hands on session, children learn all the science behind wizardry including:

Wands - watch the Mad Scientist create lightning bolts from our Electric Wand, and light a fire with it! Then Lumos wands mysteriously emit their own glow! An indoor fireworks display is next, where the kids learn how adding different metals to fire changes the colour of the flames. and we increase the drama when every child views this through Mad Science diffraction glasses! Lucky volunteers then get to help the Mad Scientist brew Mystic Potions with Ice from the Mystic Cave of Yaaaaaaar, and other 'mystic' ingredients like hen's bile, Yolk of Dragons Egg, pure water from the river Tigris and Euphrates, rat's tooth powder and more! Meet the screeching spoon and encounter Voldemorts Volcano of Foam.

Next, dry ice experiments including Big Burp, Mad Science Foam and Mad Science Shower will have children begging for more. Catch a Cloud and learn all about Dry Ice special effects used in the movies. Then, the Mad Scientist shows how Harry Potter's lightning bolt tattoo glows in the dark, and everyone gets to have an invisible tattoo that can only be seen in 'magic' light. Finally, everyone gets to make and take home slime that glows - using Troll's blood! Experiments best performed in a room that can be darkened.



Young Wizards















Mission Nutrition + Kitchen Chemistry

Kids embark on a mission to select food to prepare a balanced dinner, during which kids will be tasked to match the food they have bought to the Mad Science nutrition pie. Get to see and touch the difference between muscle and fat in the human body - guaranteed to change the way you view food forever! Kids then get to witness the Bomb Calorimeter - it is a visual demonstration of what exactly we mean by burning food for fuel. It is a challenging game of organ scramble next when kids are placed into teams and tasked to put together scrambled parts of the digestive system. Explaining how each part works is the test - best team wins a prize!

Explore Kitchen Chemistry, where kids see, feel, witness and learn all about the difference between a chemical change and a physical change. Kids then become detectives to identify 5 colourless liquids, using a specially concocted food indicator

Hands Up! find out what makes vinyl gloves wave through a chemical reaction! Newtonian fluids are next - kids get to explore the amazing properties of a liquid that behaves like a solid, from ingredients that we find in the kitchen! Finally kids make and take home their very own lava lamp.





Hands Up!

Conduct a chemical reaction, observe the results + real world applications





Is that Water?

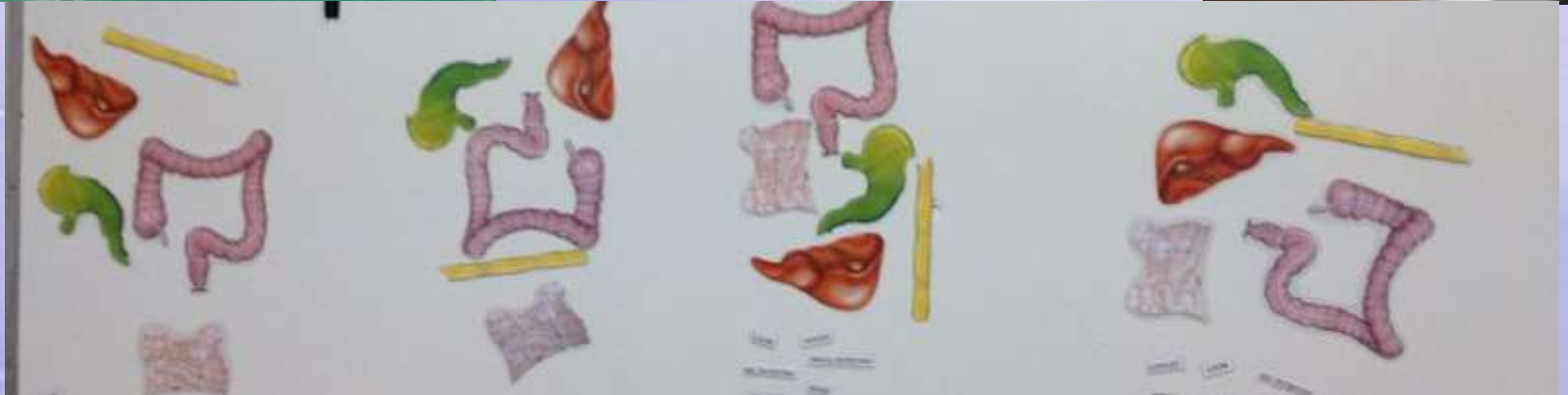
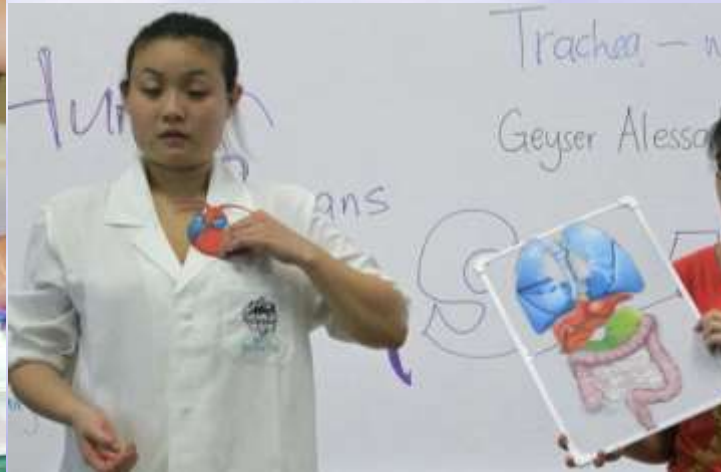
Conduct a scientific investigation to identify 5 colorless liquids





Human Organs Scramble

Reassemble scrambled Human organs, name them and describe their functions





Lava Lamp





“There’s nothing better than seeing the kids’ faces at the end of the show and hearing them ask if ‘Mr. Mad Science’ can come back and teach them more science.”

Wall Street Journal





To register, email quarksofkhoo@gmail.com with the following details:

Name of child:

Age of child:

Name of parent:

Tel no of parent:

Email address of parent:

I am registering for Mad Science @ Dew Drops camp – please enroll my child for 2 programs at a fee of \$80

I am registering for Mad Science @ Dew Drops camp – please enroll my child for 1 program (please indicate name of program and date) at a fee of \$50





Thank You