



Elements of Wonder

HOLIDAY PROGRAMME | 15 June - 7 July 2019

Did you know that everything around you is made up of elements and chemicals? Did you know that all these elements are orderly arranged in what scientists call "Periodic Table of Elements? Join Sci-Bono Discovery Centre as we celebrate the international year of periodic table of elements through fun, interactive and educational activities ranging from hunts, workshops to exciting shows.

Activities Timetable

TIME	SATURDAY 15 June	SUNDAY 16 June	MONDAY 17 June	TUESDAY 18 June	WEDNESDAY 19 June	THURSDAY 20 June	FRIDAY 21 June	SATURDAY 22 June
10:00 - 11:00 VENUE	Elements & the 4th Industrial Revolution Festo Lab	Delectable molecules Sangari Lab	Metal-parted Festo Lab	The Science behind Mendeleev's Periodic Table Sangari Lab	Yummy DNA Sangari Lab	You are what you eat Sangari Lab	Metal-parted Festo Lab	The Science behind Mendeleev's Periodic Table Sangari Lab
11:30 - 12:30 VENUE	Yummy DNA Sangari Lab	Electrochemistry Festo Lab	You are what you eat Sangari Lab	Its Elementary! Sangari Lab	Why does matter, matter? Sangari Lab	You-raaanium! Festo Lab	Yummy DNA Sangari Lab	Delectable molecules Sangari Lab
13:00 - 14:00 VENUE	Science Shows SAP Auditorium							
14:30 - 15:30 VENUE	Ironic Ions Festo Lab	Periodic Table Quiz Festo Lab	You-raaanium! Festo Lab	Ironic Ions Festo Lab	Electrochemistry Festo Lab	Elements & the 4th Industrial Revolution Festo Lab	Periodic Table Quiz Festo Lab	Why does matter, matter? Sangari Lab

TIME	SUNDAY 23 June	MONDAY 24 June	TUESDAY 25 June	WEDNESDAY 26 June	THURSDAY 27 June	FRIDAY 28 June	SATURDAY 29 June	SUNDAY 30 June
10:00 - 11:00 VENUE	Elements & the 4th Industrial Revolution Festo Lab	Why does matter, matter? Sangari Lab	Delectable molecules Sangari Lab	You-raaanium! Festo Lab	Electrochemistry Festo Lab	The Science behind Mendeleev's Periodic Table Sangari Lab	Yummy DNA Sangari Lab	Ironic Ions Festo Lab
11:30 - 12:30 VENUE	You-raaanium! Festo Lab	You are what you eat Sangari Lab	Its Elementary! Sangari Lab	The Science behind Mendeleev's Periodic Table Sangari Lab	You are what you eat Sangari Lab	Delectable molecules Sangari Lab	Electrochemistry Festo Lab	Why does matter, matter? Sangari Lab
13:00 - 14:00 VENUE	Science Shows SAP Auditorium							
14:30 - 15:30 VENUE	Metal-parted Festo Lab	Periodic Table Quiz Festo Lab	Elements & the 4th Industrial Revolution Festo Lab	Ironic Ions Festo Lab	Periodic Table Quiz Festo Lab	Why does matter, matter? Sangari Lab	Metal-parted Festo Lab	Its Elementary! Sangari Lab

NB: Kindly note that workshops are subject to change without prior notice.

Activities Timetable

TIME	MONDAY 1 July	TUESDAY 2 July	WEDNESDAY 3 July	THURSDAY 4 July	FRIDAY 5 July	SATURDAY 6 July	SUNDAY 7 July
10:00 - 11:00 VENUE	You are what you eat Sangari Lab	Why does matter, matter? Sangari Lab	Electrochemistry Festo Lab	The Science behind Mendeleev's Periodic Table Sangari Lab	Ironic Ions Festo Lab	Delectable molecules Sangari Lab	Its Elementary! Sangari Lab
11:30 - 12:30 VENUE	Metal-parted Festo Lab	Delectable molecules Sangari Lab	Its Elementary! Sangari Lab	You-raanium! Festo Lab	Elements & the 4th Industrial Revolution Festo Lab	You-raanium! Festo Lab	Electrochemistry Festo Lab
13:00 - 14:00 VENUE	Science Shows SAP Auditorium						
14:30 - 15:30 VENUE	Yummy DNA Sangari Lab	Elements & the 4th Industrial Revolution Festo Lab	Ironic Ions Festo Lab	Metal-parted Festo Lab	You are what you eat Sangari Lab	Periodic Table Quiz Festo Lab	The Science behind Mendeleev's Periodic Table Sangari Lab

Activities

THE SCIENCE BEHIND MENDELEV'S PERIODIC TABLE	AGE	COST
The periodic table is a tabular arrangement of chemical elements, but why are elements arranged this way? Find out this and more through science experiments of different chemical elements.	6+	R10

ELEMENTS & THE 4TH INDUSTRIAL REVOLUTION	AGE	COST
Many elements in the periodic table have contributed to industrial revolution, from the 1st to the current 4th industrial revolution. This activity explores elements that are making wonderful contributions in the fourth industrial revolution and their properties. See these properties in action in our hands-on activity of Lasers and Sensors.	7+	R10

METAL-PARTED	AGE	COST
Most metals are not found in their pure (elemental) form. Certain methods are required to separate the pure from the impure. Learn more about these methods from magnetic separation to filtration in metal-parted.	7+	R10

PERIODIC TABLE QUIZ	AGE	COST
Test your knowledge of the periodic table in this fun yet challenging quiz.	7+	FREE

YUMMY DNA	AGE	COST
We are all made of cells, each with its own function. But how do cells know what to do? As with most things we buy, cells have their own "manual". In this yummy workshop, we use sweets to explore and learn about life's manual – DNA.	7+	R15

IRONIC IONS	AGE	COST
You touched the doorknob and got a shock. ... Have you ever been "shocked" when you touch a friend, a car-door handle, or a water fountain? Ouch! Well, then you already know something about the effects of ions. Join us to find out more about this scientific phenomenon.	7+	R10

WHY DOES MATTER, MATTER?	AGE	COST
Matter is all around us. Everything that you can touch, taste, smell, and see is made of matter, from trees, air, water even... us; we are all made of matter. You might be wondering why everything looks so different yet everything is made of matter, join us to discover the mystery of the three states of matter: solid, liquid, and oh so heavenly... gas.	6+	FREE

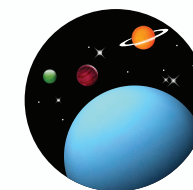
YOU-RAAANIUM!	AGE	COST
Unpack with us element Uranium, it uses both good and bad. Let us skillfully "dissect" the element exploring its impact in our lives and events that changed history of humankind forever.	6+	FREE

IT'S ELEMENTARY !	AGE	COST
All elements are essential but some are more essential. Join us as we use the periodic table to breakdown the ever exciting form of energy, ELECTRICITY. This will leave you jumping for joy just like electrons!!!	7+	R10

DELECTABLE MOLECULES	AGE	COST
A great hands-on way to study and learn about structures of various molecules. Creating them is an easy and fun experience, what better way to learn about the building blocks of all matter – atoms, than with an edible experiment.	6+	R15

ELECTROCHEMISTRY	AGE	COST
Have you ever wondered why some jewelry looks like its gold or platinum but they are not real. It's not only jewelry but a lot of things including cutlery, electrical parts just to name a few. Why are they coated with a certain metal and why use that specific metal. Come join us as we learn the science behind and get a chance to turn the silver nail into brownish nail.	8+	R10

YOU ARE WHAT YOU EAT	AGE	COST
The human body is like an engine, so to keep it going it must be provided with the right fuel which are nutrients, join us and find out which elements are found in our body.	8+	R15



PLANETARIUM

@ Sci-Bono Discovery Centre

Daily Planetarium Shows
11:00 | 12:30 | 14:00 | 15:30

Science Shows

THRILLING ELEMENTS SCIENCE SHOW	AGE	COST
The periodic table of elements, also known as the alphabet of the universe, is a tabular display of chemical elements which are arranged by atomic number, electron configuration and recurring chemical properties. In this show we explore some of the elements of explosive chemistry through lots of bubbles, fizzes, bangs and colour changes for you to explore.	ALL	FREE

MYSTERY ELEMENTS HUNT	AGE	COST
Often overlooked, the periodic table of the elements holds a wealth of information about our material world. Join us as we challenge your knowledge of the periodic table through an exhilarating element hunt.	ALL	R10