

ENRICHMENT PROGRAMMES



Snow City's Enrichment Programmes aim to foster interest in science through novel experiences offered by exciting lecture demonstrations and hands-on activities amongst the visual and experiential learners.

DO-IT-YOURSELF ICE CREAM MAKING WORKSHOP

Discover the history of ice cream and find out the different techniques used in making this wonderful treat! In this guided workshop, students will get the opportunity to prepare ice cream using liquid nitrogen and savour the masterpieces they have prepared.

LEVEL MAIN TOPIC & LEARNING OUTCOMES

PRIMARY
1 & 2

MAKE YOUR FAVOURITE ICE CREAM

Make ice creams of their own choice and understand the crucial temperature needed for making this dessert.

PRIMARY
3 & 4

MAKE ICE CREAM ANYWHERE

Explain the effect of hot and cold temperature and demonstrate how liquid nitrogen affects the formation of ice cream.

PRIMARY
5 & 6

EFFECTS OF HEAT IN ICE CREAM MAKING

Explain transmission of heat energy by conduction and thermal properties of matter, and demonstrate the effects of heat exchange.

Secondary
LEVEL

DESIGN YOUR OWN ICE CREAM

Understand the concept of liquid nitrogen and explain the impact of liquid nitrogen on substances it is in contact; Design and discuss other ways of making ice cream using liquid nitrogen.



2.5 hours



\$17 per Primary School Student & \$18 per Secondary School Student (MOE-Subsidized School)
\$23 per student (Private School and Student Care Centre)

FUN WITH LIQUID NITROGEN WORKSHOP

Be awed by the amazing properties of liquid nitrogen as it expands, evaporates, produces smoke and even freezes objects. Also, witness with your very own eyes as a banana transforms to assume the hammer-like properties.

LEVEL MAIN TOPIC & LEARNING OUTCOMES

PRIMARY
1 & 2

MAKING HAMMER OUT OF BANANA

Appreciate the wonders of coldness and explain the effect of coldness on substances.

PRIMARY
3 & 4

CHANGES IN MATTER

Describe the states of matter at different temperatures and explain how temperature affects the states of matter.

PRIMARY
5 & 6

WHAT IS LIQUID NITROGEN?

Understand and explain the characteristics of liquid nitrogen; Explain and demonstrate the impact of the cooling effect of liquid nitrogen on the properties of materials.

Secondary
LEVEL

THE WONDERS OF LIQUID NITROGEN

Understand and appreciate the wonders of liquid nitrogen; Explain and demonstrate the effect of liquid nitrogen on the properties of materials and relate the various uses of liquid nitrogen.



2.5 hours



\$17 per Primary School Student & \$18 per Secondary School Student (MOE-Subsidized School)
\$23 per student (Private School and Student Care Centre)

SNOW SCIENCE WORKSHOP

Through an interactive and hands-on programme, Snow Science dwells deeper into the science behind ice and water. This workshop focuses on concepts such as density, friction, pressure, and freezing points.

LEVEL MAIN TOPIC & LEARNING OUTCOMES

PRIMARY
1 & 2

FUN WITH ICE

Demonstrates how friction affects the movement of ice across different surfaces; Explain how the different substances have different effects on the melting point of ice.

PRIMARY
3 & 4

MAKING AN ICE POP WITHOUT A FREEZER

Demonstrate how different substances affect the freezing point of water; Demonstrate that water expands when it freezes.

PRIMARY
5 & 6

LIFTING AND ROLLING ICE

Explain how the concentration of solute affects the extent of melting ice; Demonstrate how the different melting rates of ice above and below water caused the ice to roll.

Secondary
LEVEL

DENSITY AND PRESSURE

Discover that oil, water, and ice have different densities; Explore how different pressures affect the melting point of ice.



2.5 hours



\$17 per Primary School Student & \$18 per Secondary School Student (MOE-Subsidized School)
\$23 per student (Private School and Student Care Centre)

COOL MAGIC WORKSHOP

Amaze your friends with cool magic tricks today! Learn how to freeze water in just seconds and spin a ping pong ball without touching it.

LEVEL MAIN TOPIC & LEARNING OUTCOMES

PRIMARY
1 & 2

FREEZING WATER IN SECONDS

Explain the states of matter and changes of matter with regard to water; Demonstrate the freezing of water in just a few seconds.

PRIMARY
3 & 4

REACTION OF HOT WATER AND LIQUID NITROGEN

Explain the effect of cold temperature on different materials; Demonstrate the effect of liquid nitrogen on different materials and explain the outcome when liquid nitrogen is added to hot water.

PRIMARY
5 & 6

SPINNING A PING PONG BALL WITHOUT TOUCHING

Understand and explain the effect of pressure and expansion and using this to demonstrate the spinning of ping pong ball without touching it.

Secondary
LEVEL

BE A COOL MAGICIAN

Explain the effect of cold temperature on different materials; Understand & explain the effect of pressure and expansion; Perform 'magic tricks' resulting from cold temperature.



2.5 hours



\$17 per Primary School Student & \$18 per Secondary School Student (MOE-Subsidized School)
\$23 per student (Private School and Student Care Centre)

CLOUDS OF FUN WORKSHOP

Be awed by the science behind the simple demonstrations of production of cloud-like formations and mists when dry ice gets in contact with water and soap.

LEVEL MAIN TOPIC & LEARNING OUTCOMES

PRIMARY
1 & 2

FORMATION OF CLOUD WITH DRY ICE

Know what happens when dry ice and water interact with each other; Learn that when dry ice gets in contact with water and soap, it produces cloud-like formations and mists.

PRIMARY
3 & 4

CREATING BUBBLES WITH ICE

Know the outcome when dry ice and water interacts and demonstrate the formation of dry ice giant bubble when these two elements get in contact with each other; Explain why bubble falls downward.

PRIMARY
5 & 6

CREATING VOLCANO WITH DRY ICE

Create volcano with dry ice and demonstrate the formation of volcano when dry ice interacts with water.

Secondary
LEVEL

THE WONDERS OF WATER ON DRY ICE

Explain the underlining concepts with regard to the interactions - namely sublimation, expansion, states of matter, and heat transfer.



2.5 hours



\$17 per Primary School Student & \$18 per Secondary School Student (MOE-Subsidized School)
\$23 per student (Private School and Student Care Centre)

ICE-CAPADES WORKSHOP

Find out how you can self-inflate balloons and make Ziploc poppers using readily available materials.

LEVEL MAIN TOPIC & LEARNING OUTCOMES

PRIMARY
1 & 2

THE MAGICAL DRY ICE

Learn some simple 'magic' using dry ice. Be able to demonstrate at least one trick using dry ice and easily available materials.

PRIMARY
3 & 4

WHAT CAN DRY ICE DO?

Learn and demonstrate 2 simple tricks using dry ice and be able to explain the reaction procedure leading to the observable outcomes.

PRIMARY
5 & 6

HEAR METALS SCREAM

Learn and demonstrate 3 tricks using dry ice and easily available materials and be able to explain the reaction procedure leading to observable outcomes.

Secondary
LEVEL

CREATING MAGIC ON HEAT TRANSFER & REACTION OF OXYGEN & PRESSURE

Learn and demonstrate 3 magic tricks and be able to explain the concepts in relation to heat transfer and reaction of oxygen & pressure.



2.5 hours



\$17 per Primary School Student & \$18 per Secondary School Student (MOE-Subsidized School)
\$23 per student (Private School and Student Care Centre)

WINTER OLYMPICS



Upper Primary to Secondary Students

Challenge your mind and test your physical agility at our very own Winter Olympics! This extremely versatile programme allows educators to choose any three of the following activities to fit their gaming objective.

Note: Choose any 3 activities to fit your gaming objective. Children must be 8 years old and above to participate.

Speedo

Fastest team to slide down the snow slope will be crowned as the winner!

Musical Chairs

Play this classical game using rubber tubes instead. The one who is unable to find a rubber tube to sit on will be penalised once. Anyone whom is penalized three times will have to perform for the team.

Bursting Balloons

The team who is able to burst the most number of balloons within 10 minutes wins the game.

Dress Me Up

The fastest team to dress up their team member at the bottom of the slope wins the game!

The Mad Ball

Slide down the slope while holding a plastic cup containing a ping pong ball, and drop the ball into the container. The team with the most ping pong balls wins the game.

Breakage

Form a chain with your team and slide down the slope together. The team with no breakage will win the game.

Balloon Hurray

Two players from each team will hold each other's hands with a balloon in between them. They will slide down the slope together and place the balloon in the container. The team with the most balloons wins the game.



2 hours



\$18 per Primary School Student & \$19 per Secondary School Student (MOE-Subsidized School)
\$24 per student (Private School and Student Care Centre)



SUBZERO STUDENT TEAM BUILDING

This programme aims to test students' ability to work as a team. Students will also develop effective life skills such as communication, creative thinking, decision-making, and leadership.



2.5 hours



\$32 per Primary School Student & \$33 per Secondary School Student (MOE-Subsidized School)
\$38 per student (Private School and Student Care Centre)



SPECIAL COMBO PACKAGE

Can't get enough of the fun and cool workshops? You can choose this package that comes with 30 minutes Winter Olympics, 1 hour snow play, and your choice of 1 workshop.



3 hours



\$27 per Primary School Student & \$28 per Secondary School Student (MOE-Subsidized School)
\$33 per student (Private School and Student Care Centre)



REMINDERS:

- Program includes 1 hour snow play, 1 hour preferred workshop (or 30 minutes Winter Olympics), and 30 minutes changing and returning of winter gear.
- Minimum number of students per workshop required is 30, up to a maximum of 60 for every workshop session.
- Complimentary admission to 1 teacher is given for every 10 students. Any additional adult (i.e., teacher, parent, staff) will be charged an admission fee of \$12.00 each.
- Course fee includes use of gloves, boots and jackets for students only. Use of boots and jackets are included for adults.
- It is compulsory for all participants to wear long pants to enter the snow chamber and socks when using our in-house boots. Rental service of waterproof pants, gloves and socks (purchase) are available. Please enquire with sales team for rates.
- Personal photography and videography are not allowed in the snow chamber. Kindly approach our photo operator for photo taking.
- Bookings are to be made at least 2 weeks in advance, subject to availability.
- Fees are still subject to prevailing GST. Fees are subject to change without prior notice.
- These programmes are not valid with other discounts and promotions.

FOR ENQUIRIES AND BOOKINGS:

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