

VASCSC Winter Programme

18 Oct - 12 Nov 2022



This Diwali vacation, VASCSC offers modules for children to experience innovative and fun-filled learning. Select what fascinates you the most to enhance your understanding of STEM concepts.

| Name of the Module | | Timings | Level | Activities | No. of Seats | Fee* ₹ |
|----------------------------|-------------------------------------|---------------------------------------|-------------|---|--------------|--------|
| Code | Start Date - End Date | | | | | |
| Joy of Mathematics | | | | | | |
| WP-01 | 18 - 21 Oct | 4:00 - 5:30 pm | Std. 4 - 5 | Introduction to Maths Lab, its tools and their uses. Maths and Fibre Art. Design a labyrinth game to understand complex network systems. Making flexagon. Use symmetry to make pop-ups. | 20 | 1000 |
| Maths is Fun | | | | | | |
| WP-02 | 1 - 5 Nov | 2:00 - 3:30 pm | Std. 6 - 7 | Logical Games & Puzzles (Brahma's Tower and other logical games). Mathematical Envelope & understanding the pattern. The mathematics of Illusions. Create a flexible solid shape. Topological Puzzles. | 20 | 1200 |
| Vedic Maths | | | | | | |
| WP-03 | 1 - 5 Nov | 4:00 - 5:30 pm | Std. 8 - 10 | Vedic maths is a collection of techniques/ sutras to solve numericals in easy & faster way. We will discuss & explain such methods utilized in solving the numericals involving multiplication, division, square, square roots, cube & cube roots of numbers, solution of quadratic & cubic equations. | 20 | 1100 |
| Science is Fun Winter Camp | | | | | | |
| WP-4A WP-4B | 1 - 5 Nov 8 - 12 Nov | 10:00 am - 12:30 pm 2:30 - 5:00 pm | Std. 1 - 2 | Welcome to the amazing world of science & mathematics to make your vacation memorable and enjoyable with Do-it-Yourself activities – Magic bus, Human anatomy, What's the Time - DIY clock, Shapes and patterns, Musical pipes, Natural energy source - Sun, Food and nutrition, Magic filter, Traffic signals, Whirling fan, Flying fish, Yo-Yo, Science challenge, Puzzles and many more... | 20 | 1800 |
| Explore and Discover | | | | | | |
| WP-05 | 1 - 5 Nov | 11:30 am - 1:00 pm | Std. 3 - 4 | Explore Nature & its different forces like gravity, friction & many more; Chemicals in my home; Let's Tinker: Learn basics of an Electrical circuit, Engineering Challenge: Building Stable Structures, Science Behind Magic, Green Games, Fun with Maths, Science Treasure Hunt. | 20 | 1100 |
| Book Buddies | | | | | | |
| WP-6A WP-6B WP-6C | 1 - 2 Nov 4 - 5 Nov 8 - 9 Nov | 2:00 - 3:30 pm | Std. 4 - 5 | Journey of the book, Know the books, Book Bingo, I spy, Write a Book Review, Book mark making. | 10 | 500 |
| Chem 4 Kids | | | | | | |
| WP-7A WP-7B | 18 - 21 Oct 1 - 4 Nov | 9:30 - 11:00 am | Std. 1 - 4 | Introduction to Lab and lab apparatus, Giant Devil's Tooth paste, Gennie in the Bottle, Krakatoa Volcano, Rainbow twin tower, Hydrogen balloon, VASLV - Hydrogen Rocket, Magic Potion, Alchemy Tricks - Liquid gold, Vanishing Cup, Burning a Note. | 20 | 1000 |
| Explore Astronomy | | | | | | |
| WP-8A WP-8B | 1 - 5 Nov 8 - 12 Nov | 4:00 - 5:30 pm | Std. 5 - 6 | Solar System, Planets, Sun Spots, Motion of the Sun, Time using Sun, Phases of Moon, Constellations, Circumpolar constellations *Night Sky observation will be on 5 Nov & 12 Nov for respective batch (6:30 pm onwards). | 20 | 1100 |
| Fun with Computer | | | | | | |
| WP-9A WP-9B | 18 - 21 Oct 2 - 5 Nov | 4:00 - 5:30 pm 11:30 am - 1:00 pm | Std. 1 - 3 | Imagine & design your world with 2D & 3D masterpieces using a ton of new brushes and tools in every dimensions. Make 2D masterpieces or 3D models that you can play with from all angles using software. Make your own mask, 3D pop-up card. Know your laptop using template. Introduction of Simple animation using Gif Animator. | 15 | 1000 |
| Electronics for You | | | | | | |
| WP-10 | 8 - 12 Nov | 4:00 - 5:30 pm | Std. 4 - 5 | Let's explore together the world of electronics by making your own gadgets and learn how to assemble the electronics components using the soldering technique. | 15 | 1200 |

*GST extra, as applicable

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| Magic of Coding | | | | | | |
| WP-11 | 18 - 21 Oct | 2:00 - 3:30 pm | Std. 4 - 5 | Let's get creative with digital technology. Learn and explore the magic of coding and fun gadgets using BBC Micro:bit, a small pocket sized computing device that is transforming the world. Design your own game and become a game designer. | 15 | 1000 |
| Fun with Physics | | | | | | |
| WP-12 | 18 - 21 Oct | 3:30 - 5:30 pm | Std. 4 - 5 | The world of physics awaits you - to explore the magic of magnets and how we see and hear the world around us by performing self-involving activities and making some interesting models. | 20 | 1200 |
| Space and Aero Exploration | | | | | | |
| WP-13 | 1 - 4 Nov | 9:30 - 11:00 am | Std. 3 - 5 | Introduction to Rocket Science and scientific principle behind rocketry, make a model rocket - Paper Rocket, Chemical Propellant Rocket; Introduction to Aerodynamics, parts of plane, Learn about how to fly a plane, make different types of planes - paper based; cardboard based. | 20 | 1200 |
| Little Scientist | | | | | | |
| WP-14 | 1 - 5 Nov | 11:30 am - 1:00 pm | Std. 1 - 3 | Fun with plants – Transpiration, Phototropism, Journey from seed to a plant, Inside the seed, Find the age of a tree, Outdoor session - Identification of plants, Leaf printing, What's inside your body, Soil & its components, Looking through microscope & other interesting activities. | 20 | 1100 |
| Nanotechnology: Small Wonders - 1 | | | | | | |
| WP-15 | 1 - 3 Nov | 9:30 - 11:00 am | Std. 3 - 5 | Nanotechnology - A way to smart material, Nano Cosmos - Why small things behave differently? Build your own Buckyball (C60) model, Superhydrophilicity to Superhydrophobicity, Shape Memory Alloy, Experiment with Ferrofluid, Casein micelles & other amazing nanomaterial. | 20 | 1000 |
| Nanotechnology: Small Wonders - 2 | | | | | | |
| WP-16 | 1 - 3 Nov | 11:30 am - 1:00 pm | Std. 6 - 9 | Nanotechnology - A way to smart material, Nano Cosmos - Why small things behave differently? Build your own Buckyball (C60) model, Superhydrophilicity to Superhydrophobicity, Shape Memory Alloy, Experiment with Ferrofluid, Casein micelles & other amazing nanomaterial. | 15 | 1000 |
| Science of Sound | | | | | | |
| WP-17 | 8 - 11 Nov | 9:30 - 11:00 am | Std. 5 - 7 | Seeing sound, Properties of sound (Frequency, Amplitude, Speed), Resonance in waves, Interference in waves, Music through water, how ears sense sound, How speaker works, Make a Sounding toy, etc. | 15 | 1000 |
| STEM Think Tank Challenge | | | | | | |
| WP-18 | 1 - 4 Nov | 10:00 am - 12:30 pm | Std. 5 - 6 | Experimental design, Hydroponics and its applications, Basics of Data Science, Useful Tips, Tricks and Hacks for Competitive Exams, Science behind miracles, Basics of cryptography, Maths of perpetual calendar. | 25 | 1200 |

*GST extra, as applicable

Please note

- Admission is on 'first come, first served' basis.
- Please apply as per the level mentioned in respective module.
- The programme activities and schedule are subject to change without prior notice.
- Payment of fee can be made by Cash/Card/UPI or Cheque, drawn in favour of 'Vikram A Sarabhai Community Science Centre'.
- The fee, once paid, is non-transferable and non-refundable.
- Fee Refund Policy: In exceptional cases of cancellation, 10% of the fee amount, subject to a minimum of Rs. 100/-, will be deducted. No refund for cancellations within 5 days before start date of the batch.
- GST shall be extra, as applicable, over and above the fee mentioned.
- After admission, any change in batch will not be possible. Please check receipt at the time of admission. VASCSC shall not be responsible for any discrepancy or error.
- Participants are requested to carry their receipts to the programme.
- Limited partial scholarships are available for those who cannot afford the fee.

