SUMMER
CAMP
GRADE 1-8
MAY 8TH TO JUNE 3RD

• ROBOTICS • ANIMATION • PROGRAMMING
• ELECTRONICS • CHEMISTRY • 3D PRINTING

ABOUT US

Steam Works Studio is a global STEM learning academy with head quarters in Princeton NJ, USA. Our Academy is uniquely focused towards fostering and developing essential 21st Century and STEAM (Science, Technology, Engineering, Arts and Mathematics) skills like Problem Solving, Critical Thinking, Creativity and Collaboration in a hands-on and practical but fun learning environment.

GRADE 1-2

THE JUNGLE BOOK

A Robotics program with a Jungle book theme! Think Mowgli™ and his animal friends! Monkey around using motors, gears, pulleys, and sensors to create fun Jungle themed missions! Campers will learn about simple machines like gears to create motion. It's problem solving & logical thinking with block coding!

MAY 08-13

CRAZY CHEMISTRY

Practical Chemistry is lots of fun! Learn about the chemistry that you encounter every day in your house. Experiment hands-on with real chemical reactions & test different liquids, salt, vinegar. Create your own chromatography applied Tshirt to take home. What is Elctrolysis? Make and eat exothermic ice cream!

MAY 15-20

SILLY CIRCUITS

Learn about Electronics while doing fun crafts. Add LED lights, Motors, Sound to your paper circuits ex Greeting Cards, Paper crafts, Origami projects. Explore the fun world of electronics! Our cool silly circuits with Lights, Sound and movement are bound to nurture the campers interest in basic Electronics!

MAY 22-27

LITTLE DOCTORS

Little Doctors camp presents medicine, science, and the importance of health & hygiene in an entertaining & fun way! Role play with tools doctors use in the real world to learn how the body works. Study cells and even grow bacteria! This camp is sure to inspire our little doctors of tomorrow!

MAY 29-JUNE 3

GRADE 3-4

MAY 08-13

STOP MOTION ANIMATION

You see stop motion animation all the time on TV and in movies even if you don't realize it. This camp offers children the chance to create their own original stories. Throughout the week they will craft clay characters, design backdrops, and learn to edit their films. Be your own movie director, plan, story board, think about props and actors as well as music and sounds.

MILO THE ENGINEER

Nurture curiosity, science & engineering skills with a wonderful introduction to ROBOTICS with LEGO Bricks, Tilt and Motion Sensors, Motors and gears. MILO pretends to be a super engineer lifting tables, dragging and cleaning up spaces. Block coding is super easy and fun while developing creative & logical problem solving skills!

MAY 15-20

MAY 22-27

ANIMATION & GAMES

Kids learn to create their own games & fun stories & animations with SCRATCH using "drag and drop programming". SCRATCH, by MIT, helps young kids to learn to think creatively, reason systematically, & work collaboratively. Color coded, intuitive drag & drop block programming, as well as sounds, backdrop images and drawings are used. Get them to code!

SUPER SCIENCE

A practical hands-on science and craft club for kids to enjoy and explore the amazing world of science! Chemistry experiments with food colors, baking soda and other safe ingredients. Paper airplanes, building sturdy bridges, balloon powered cars & many fun STEM activities.

MAY 29-JUNE 3

GRADE 5-6

COOKING & CHEMISTRY

MAY 08-13

Learn life-long skills used in cooking while learning science at our Cooking & Chemistry camp! Discover colloids, look at yeast under a microscope, make rock salt ice cream & grow candy crystals! Science has never been so sweet! Baking & cooking with hands-on Chemistry & live projects will leave sweet memories of this Camp!

THE ELECTRONICS LAB

Young makers explore learning basics of electronic circuits and how electronic components work, which they can then apply to an idea of their own. Students create their project using everyday materials. Students will use breadboards and will learn to build circuits that blink, squeak, play music, tick and whirl. Learn soldering skills with a custom take home MAKER'S Badge!

MAY 15-20

EV3 ROBOTICS

MAY 22-27

The EV3 course introduces students to the basic fundamental principles of programming robots in a step by step structured manner. The course runs through the programming blocks for motor control and flow control. An emphasis is given to using the 3 EV3 sensors to control a differential drive robot.
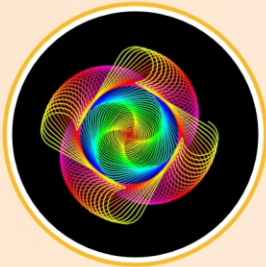
3D PRINTING & CAD

CAD and 3D Printing introduces students to basic 3-D modeling. Primitive shapes, measurement, hollow objects & assemblies. Students learn the tools needed to design exciting projects. Students keep the 3-D printed printed models that they make! Save all your work and continue learning more!
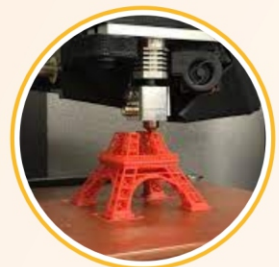
MAY 29-JUNE 3

GRADE 7-8

PYTHON & ART

Python is a powerful, expressive programming language that`s easy to learn and fun to use. We build cool Graphics & Games during the course. We use IDLE as a development tool as well as common Libraries that help with Graphics and Game building like tkinter and pygame to explore the power of Python language!

MAY 08-13

ADVANCED 3D PRINTING

Campers will explore Coding/Program based methods of generating 3D Printed projects. Students keep the 3-D printed printed models that they make! Save all your work and continue learning more!

MAY 15-20

ELECTRONICS & SOLDERING

Learning how to solder is quite easy and, with a little practice, you will be soldering your own electronics circuits. You can create something new that never existed before. Campers in this class learn about electronics circuits to build LED flashers, a radio transmitter, a touch sensing lamp, a 555 IC tone generator.
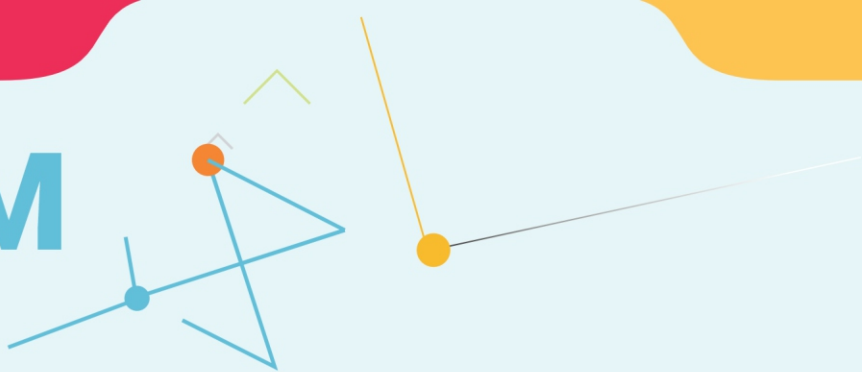
MAY 22-27

EV3 MARS MISSION

In EV3 Mars Mission campers learn to build and program a Mars rover! They must work as a team to overcome a series of challenges including craters and uneven terrain. This camp prepares students for LEGO Robotics competitions of a similar nature. Campers will learn sensor control, programming, testing and engineering design!

MAY 29-JUNE 3

PROGRAM DETAILS

PARTICULARS

MAY 8Th 2023 - JUNE 3RD 2023

WEEKLY WORKSHOPS

1 WEEK = 6 DAYS (MONDAY - SATURDAY)

1 DAY = 2.5 HOURS WORKSHOP

SCHEDULE
Arrival : 7:50AM

SESSION 1 :

8:00AM - 9:30AM

BREAK :

9:30 AM - 10:00 AM

SESSION 2 :

10:00 AM - 11:00 AM

Departure : 11:15 AM

VENUE

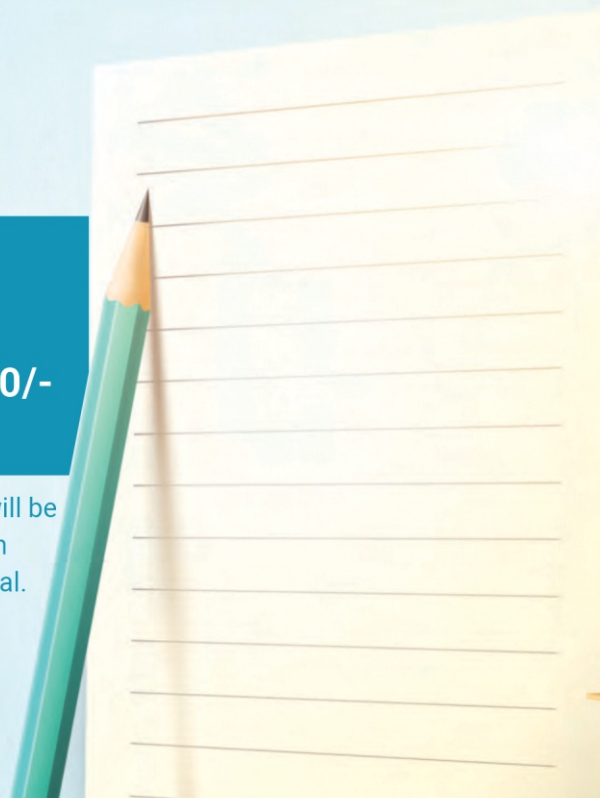The Shishukunj
INTERNATIONAL SCHOOL
INDORE

PRICING
Per Week - 3750/-

SCHOOL BUS : 1000/-
(Tentative per week*)

*Actual transportation cost will be communicated later based on registrations and school actual.

REGISTRATIONS STARTING

MATCH 24th 2023 at

https://steamworksstudio.com/indore

Limited seats Only !

STEAM Works Studio

STEAM WORKS STUDIO INDORE

EMAIL : indore@steamworksstudio.com

WEBSITE : www.steamworksstudio.com/indore

MOB : +91 74897 75546

ADDRESS : C-165 166 Vasant Vihar,
Behind Bombay Hospial, Indore - 452010