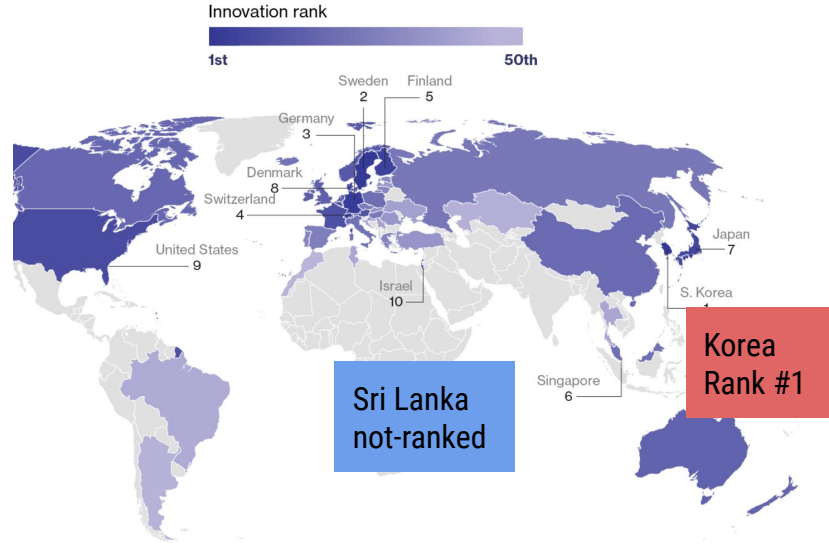
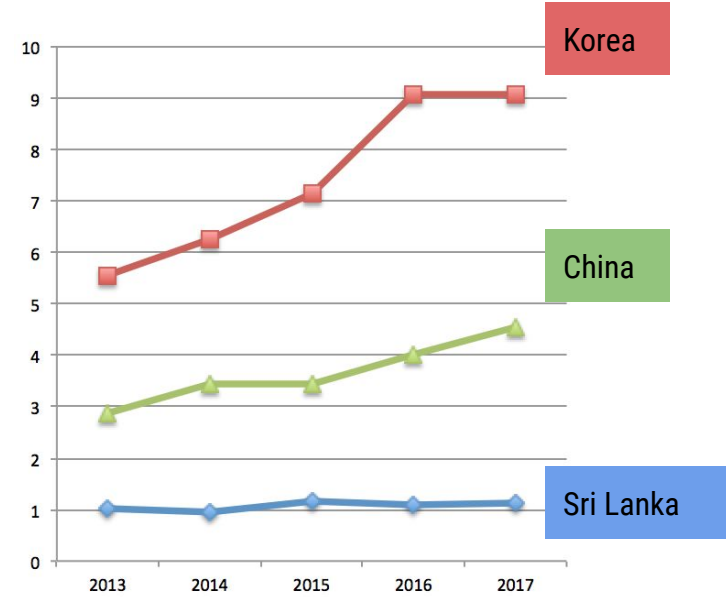




The Makerspace of Young Innovators



Bloomberg **Innovation** Index
Sri Lanka: **not-ranked**



Global **Innovation** Index
Sri Lanka: **90/117**

A photograph of two children in a laboratory setting. The child on the left is a girl with brown hair in pigtails, wearing a white lab coat over a red shirt. She has brown smudges on her face and is holding a small test tube. The child on the right is a boy with spiky brown hair, wearing a white lab coat over a dark shirt. He is wearing blue safety goggles and a black gas mask with red filters. He is pouring a yellow liquid from a round-bottom flask into a conical flask containing a green liquid. The background is a red and orange flame-like pattern. In the foreground, there are various laboratory glassware including microscopes, test tubes in a rack, and beakers containing different colored liquids. A semi-transparent white banner is overlaid on the left side of the image, containing the text "The dream of every parent...".

The **dream** of
every parent...

The reality:

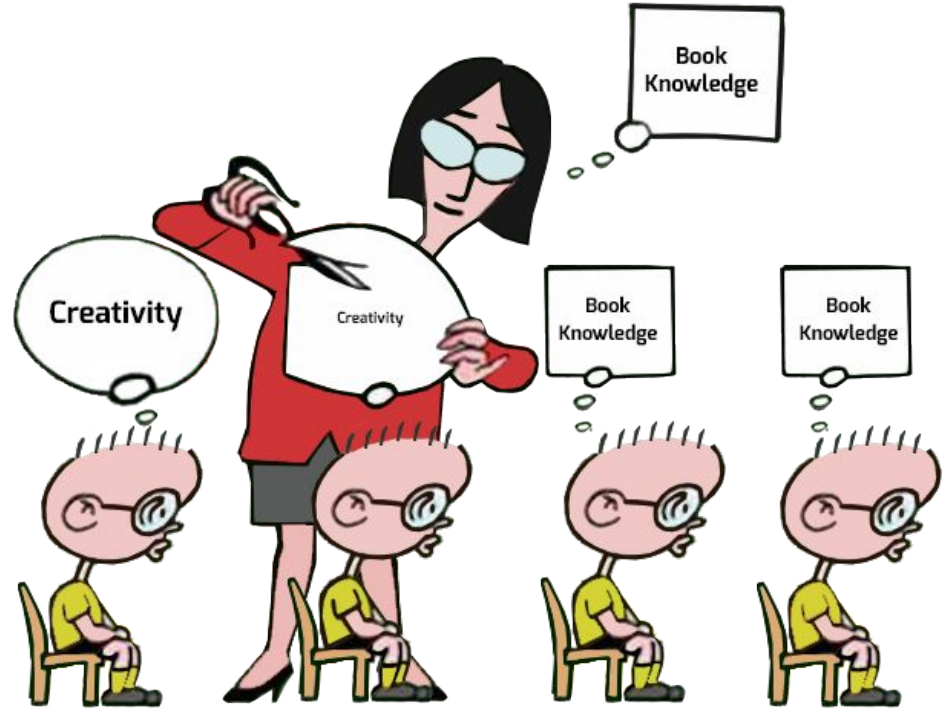
Kids have become

consumers of
technology,
not creators



Knowledge and compliance centric education

Affects the
creativity
of students



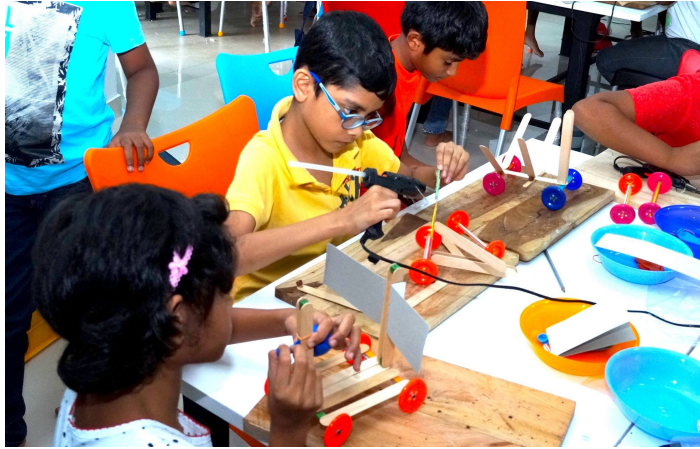


THE NEED
OF THE ERA

Maker Movement

is now sweeping
globally!

Sri-lanka's First Makerspace



igniter
SPACE

6 Flagship MakerSpaces + 4 Partner MS



Narahenpita



Negombo



Kandy

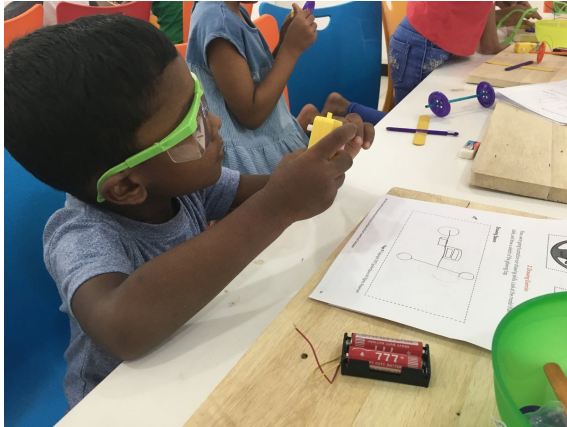


Moratuwa



Gampaha

Promoting, Creativity!



Accuracy vs. Play

Creativity is about making something **original**

What is known to be **accurate** cannot be original

To be creative one needs to take a chance of being **wrong**

Learnability!



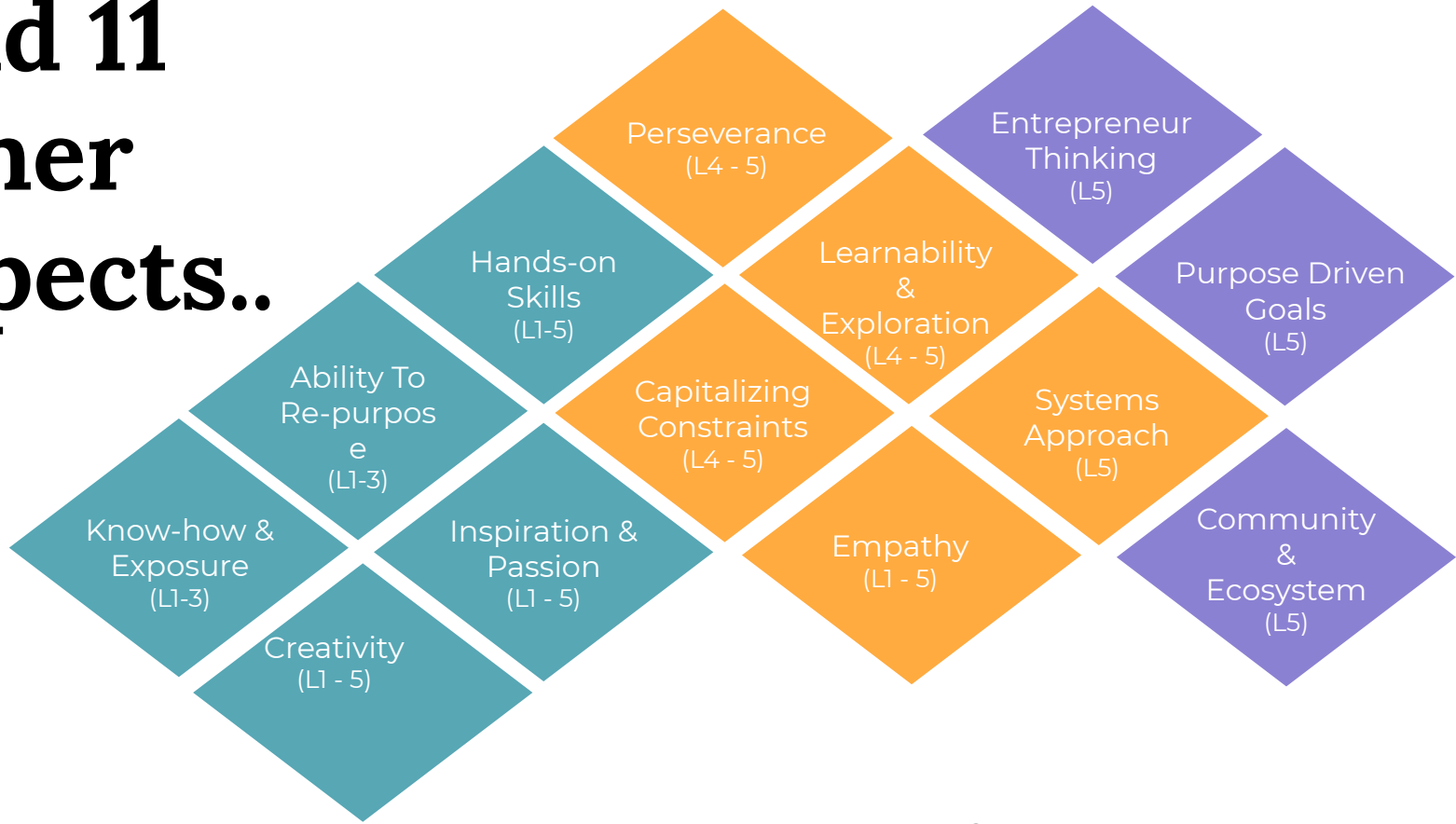
Teaching vs. Learning

One issue with just the knowledge is that its perishable

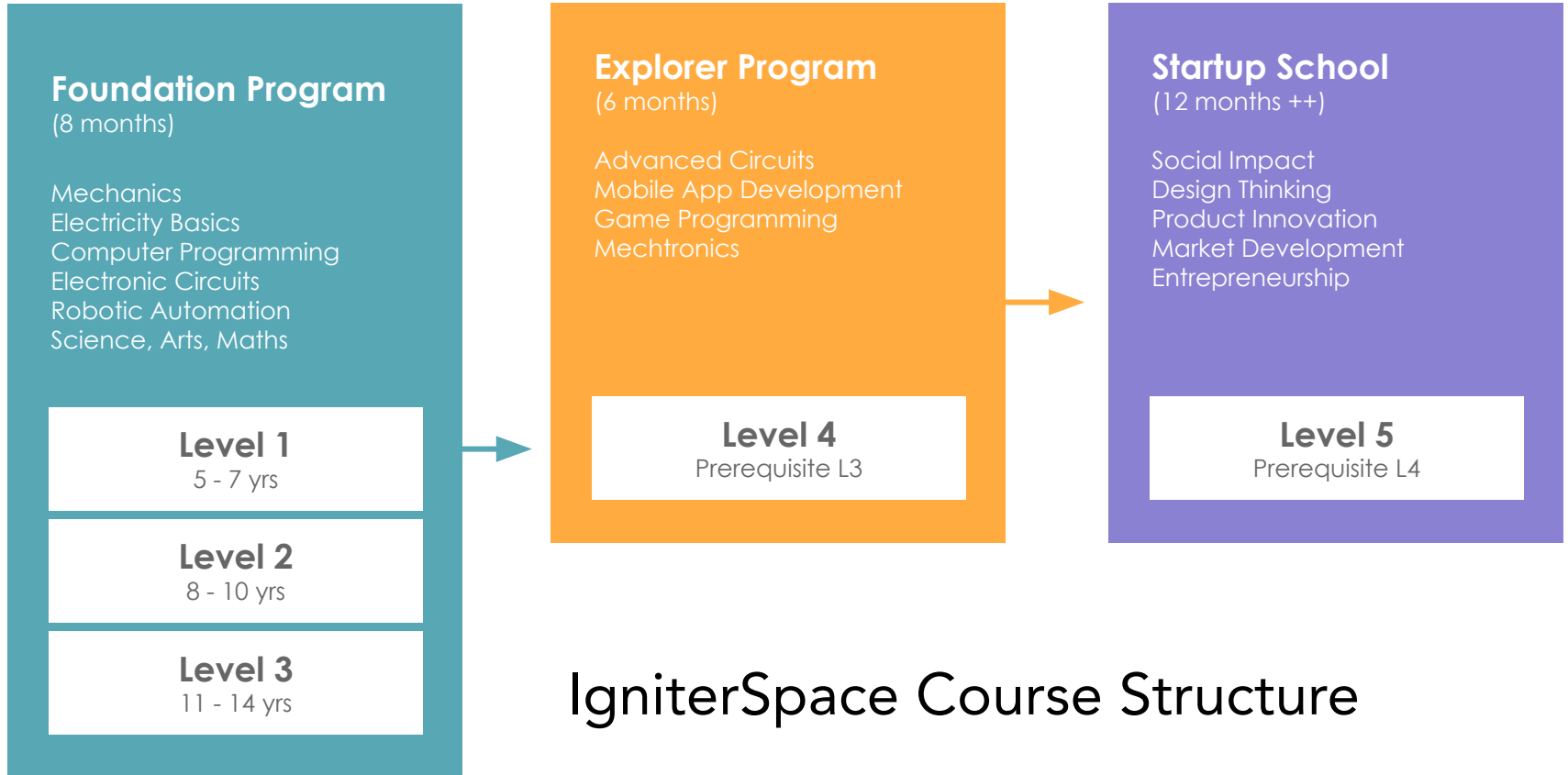
And knowledge is now a commodity

Ability to acquire knowledge effectively is more important

And 11 other aspects..



IgniterSpace Matrix for Inspiring Innovation



Validated by the numbers

4

Years
from Inception

100,000+

Maker Interactions

20,000+

Paying Students

7

Flagship
Centers

4

Partner
Centers

250+

Innovation
Activities (IP)

3000+

Freely Educated

IgniterSpace LOCATIONS



**Flagship
MakerSpaces**



**Partner
MakerSpaces**



INTERNATIONAL LOCATIONS



**Flagship
MakerSpaces**



**Future
Markets**



Activities in the Innovation Program

Wave Motion	Debugging	Simple Buzzer	Elastic Potential Energy	Biomimetic Design	Projector Operation	Applications of Buzzers
Biomimicry	Sensors	Switches	Probability	Cooking Robots	Pull Back Motors	Applications of Switches
Dicycles	Game Creation	Basics of Pitching	Propellers	Humanoid	Reciprocating Motion	Arm Switches
Animations	Hardware & Software	Describing a Creation	Push and Pull forces	Introduction to Robots	Renewable Energy	Conductors & Insulators
Coding	Microcontrollers	Innovation Exhibition	Reel	LDRIC the Golf Robot	Shafts	Gears Mechanism
Computers	Problem Solving	Anti-theft systems	Rotary Motion	Robots in Movies	Solar Power	LED brightness
Flight Dynamics	Run Marco Run	Appliances	Sanding Machines	Robots in Sports	Speeds of Rotation	Measuring Current
Usability	Belt Transmission	Balance	Self Stirring Mugs	Types of Robots	Structural Integrity	Motors
Inertia	Center Of Gravity	Bouncing ball Motion	Sharpening Objects	Cloning	Thrust	Multimeter
Infrared Waves	Conductivity	Cooling fan	Siege engines	Conditional programming	Turbine Structures	Resistance
Magnets	Diaphragm Pumps	Counterweights	Simple Pistons	Countdown timer	Use of Pivots	Series Circuits I
Mechanical Structures	Energy Transformation	Creating Vibrations	Simple Pivots	Intro to the Scratch Platform	Use of Propellers	Tilt Switches I
Operation of a Dynamo	Engineering Measurements	Dynamo	Snap Action Switch	Intro to Variables	Use of Water Detectors	Tone Generation
Peg & Slot Mechanism	Collision	Elasticity	Sound Energy	Iteration	Uses of Forces	Transistor - Amplifier Basics
Piston Operation	Basic Circuits	Electricity Generation	Spinning Motion	Math in Game Development	Wheels and Axles	Accessibility
Pivots in Operation	Batteries	Energy	Stability	Mouse click event	CNC Mechanism	Portable Devices
Pneumatics	Gear Motors	Force	Storing Energy	Pen	Drawing Robots	Precision
Stirling engine	Jumper Wires	Game Devices	Structure Building	Scratch - Control	Legged Robots	Product Definition
Turbine Pump Mechanism	LEDs	Helicopters	Structures	Scratch - Data	Robotic Arms	Proof of Concept
Vehicle Transmission System	Push Switch	Light	Types of Boats	Scratch - Events	Character Duplication	Requirement Gathering
Waterproofing	Transistor - Amplifier II	Making a vibration motor	Unbalanced Rotation	Scratch - Sensing	Coding - Instructions	Target Markets
Reciprocating Motion in Robots	Transistor - Switch	Microtechnology	Use of Hydraulics	Scratch - Sound	Coding - Procedures	360 Motion
Robot locomotion	Two-way light switches	Newtons Third Law	Vehicle Chassis	Scratch - Collision Detection	Coding - Repeat Until Loop	Actuation
Robotic Actuation	Vibration Motors	Nuts	Wearables	Sprite creation	Collision Detection II	Amphibious Vehicles
Robotic Assembly Lines	Voltage divider circuits	Paddle Motion	Winch Mechanism	Sprites & Scripts	Coordinates	Applications of Elasticity
Walking Robots	Empathy	Potential Energy	Automation	Uses of Computers	Game Physics	Balancing Weight
	Presentation Skills	IR Photodiode	Circuit Diagrams	Scratch - Sprites	Game Physics - Vehicles	Bowling Machines
	Teamwork	LDR	DPTT switch	Scratch - User Input/Output	Scratch - Looks (Show and Hide)	Buoyancy
	Unique Selling Point	Parallel Circuits	Electrical Current	Scratch Platform II	Level Design in Games	Centrifugal Force
	Bearings	PIR Motion Sensor	Electronic Circuits	Use of Variables	Messages (broadcast & receive)	Clip on Devices
		Resistors	Electronics	Bidirectional motor rotation	Multiplayer Games	Elastic Potential Energy
		Series Circuits II	Infrared Communication	Breadboards	Platformer	Energy Conservation Theory
		Soldering	Integrated Circuits	Capacitance	Programming Environments	Gravity
		Tilt Switches II			Programming Languages	Grip in Engineering
					Random Events	Hand-to-eye Coordination
					Random Generation	Hydraulics
					Scratch - Collision	Lenses
					Scratch - Paint Editor	Power generation
					Capacitors	Projectiles

OFFERINGS:



Service Based

FlagShip
MakerSpaces

Per location:

- 400 Students,
- 6 months program,
- Revenue:~\$90,000



B2C

Home & Retail

Maker Kits



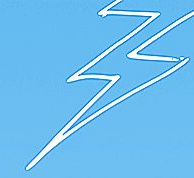
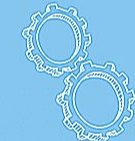
B2B

Partner Orgs

MakerSpace in a Box
& School Curriculum

International Markets



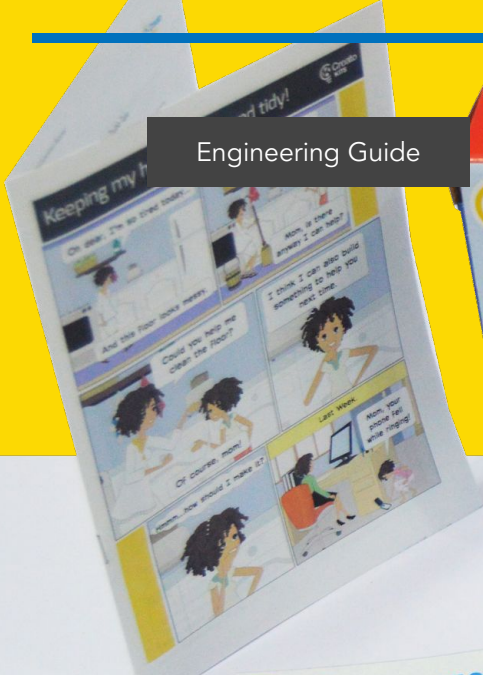


Creato Kits

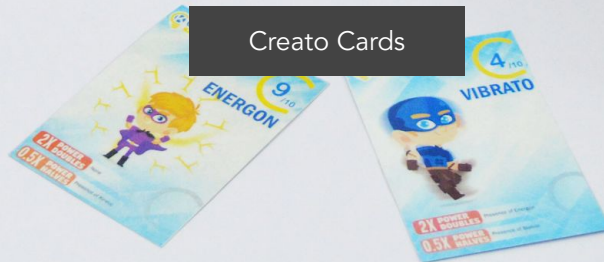
Engineering Guide



Innovation Comic



Creato Cards



3D Card



Component Kit





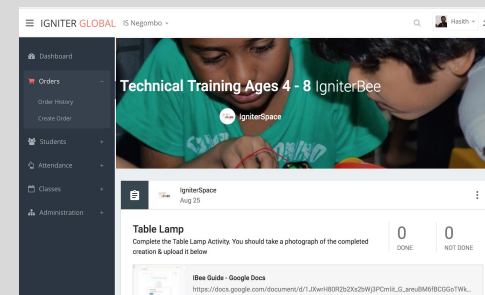
Infrastructure



Innovation Packs



Franchised
MakerSpaces



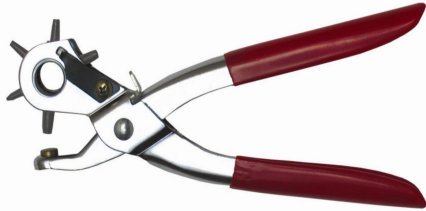
Software Platform

Equipments,
components & Tools

Pliers



Rivet Gun



Hope Punch Plier



Nose Plier



Wire Stripper



Combination Plier



Clipping Plier

Screwdrivers



Phillips-Head

Flat Screwdriver

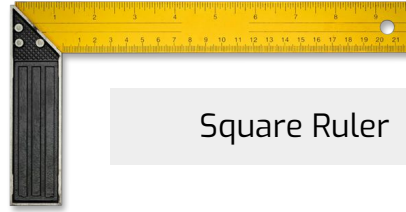


Electrical Tester

Fabricating tools



Hand Saw



Square Ruler



Hammer



Measuring Tape



G-Clamp



Hack Saw



Papercutter



Spirit Level

Wrench Tools



Wrench Kit



Allen-Key Set



Fully Equipped **Tool Trolley**

Serves 4 kids

- Equipment
- Safety Gear
- Workstation tools
- Working Surface

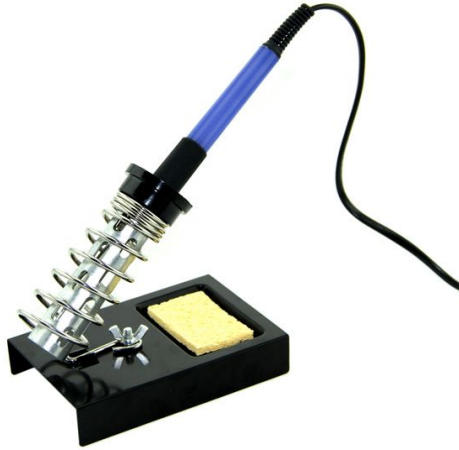
☆☆ Labelled for ease of Use

Equipment



Hot Glue Gun

- 7mm Glue Gun
- Used for majority of creation



Soldering Iron

- Used for building Circuit
- Wire insulated with heat Shrink tube for protection
- Comes with stand



Multimeter

- Used in Electronic-based Innovation Activities



Hand Drill

- Used for many mechanical creations

Other Tools & Equipment



Working Board

Used as the surface for working on

Tester
Used in
Electronic-based
Innovation Activities



Safety Goggle

Used as a precautionary measure
to avoid any injuries



Desoldering Pump

Used in soldering
activities

Clipping Plier

Used for cleaning out
wires



Wires & Material Perishable



Circuit Wire



Insulation Tape








Glue Sticks - 7mm









Soldering Wire

Battery

#CE01 Battery Cell - AA	#CE02 Battery Cell - 9V	#CE03 Coin Cell - CR2032
		
#CE04 Battery Holder - AA	#CE05 Battery Snap - 9V	
		

Conductors

#CE06 Wire - Circuit	#CE07 Conductive Tape	#CE08 Jumper Wire FF
		
#CE09 Jumper Wire FM	#CE10 Jumper Wire MM	#CE11 Prototype Board
		

Transistors

#CE35 2N2222	#CE36 2N3904	#CE37 BC547	#CE38 D313
			

Capacitors

#CE27 Capacitor 100uf	#CE28 Capacitor 10uf	#CE29 Capacitor 1uf	#CE30 Capacitor 4.7uf
			

IC's

#CE32 UM 66	#CE33 NE 555	#CE34 LM 317
		


Light & Sound

#CE18 Piezzo Buzzer	#CE19 LDR	#CE20 LED 5W	#CE21 LED RGB
			
#CE22 LED 3mm Color Green	#CE23 LED 3mm Color Red	#CE24 LED 3mm Color Yellow	#CE25 LED IR
			

Motors

#CE41 Simple Motor	#CE42 12V Motor	#CE43 Gear Motor	#CE44 Vibration Motor - 3V
			








Resistors

#CE45-56	Available Resistors
	<div> 45 - Preset 100K 46 - Preset 10K 47 - Preset 1K 48 - Resistor 1M 49 - Resistor 100K </div> <div> 50 - Resistor 10K 51 - Resistor 11K 52 - Resistor 100R 53 - Resistor 47K 54 - Resistor 470R 55 - Resistor 330R 56 - Resistor 220R </div>

Switches

#CE57 Arm	#CE58 DPDT	#CE59 SPDT	#CE60 SPST
			
#CE61 Push	#CE62 Tilt	#CE63 Reed	
			

100's of Electronic
Components


#CR01 Arduino Uno	#CR02 Raspberry Pi	#CR03 PIR Motion Sensor	#CR04 Ultrasonic Sensor
			
#CR05 IR Sensor	#CR06 Motor Shield	#CR07 9g Servo	
			

Many Different Robotics Components

Plastic

#CC01 Balloon	#CC02 Bottle lid Large	#CC03 Bottle Lid Medium	#CC04 Bottle Lid Small
			
#CC05 CD	#CC06 Cotton Bud	#CC07 Eraser	#CC08 Ping Pong Ball
			
#CC09 Propeller	#CC10 Propeller - Nose Hook	#CC11 Foam Block	#CC12 Rubberband - Large
			





Paper

#CC22 - 27	Available Papers	
	22 - Cardboard - A4 23 - Cardboard - A5 24 - Hardboard - A6 25 - Cardboard Strip	26 - Paper Cup 27 - Paper Sheet - A3

Wooden Items

#CC28 Craft Stick - Large	#CC29 Craft Stick - Small	#CC30 Craft Dowel	#CC31 Craft Cube
			

Miscellaneous

#CC35 Felt Pen	#CC36 File Clip	#CC37 Googly Eye	#CC38 Pipe Cleaner
			

Many Different Craft Components



Pack Storage Rack

- Space for 32 different Innovation Activities
- Fitted on lockable wheels for easy transportation
- Adjustable racks

** Labelled for ease of Use



Component Storage Rack

- Compartments for Electronics, Robotics, Craft & all other components
- Electronic Rack Included
- Wire Reel Rack Included

** Labelled for ease of Use



ASIAN INTERNATIONAL SCHOOL

Colombo 05, Sri-Lanka

MakerSpace for 30 kids



AMERICAN CENTER COLOMBO

**US Embassy, Colombo
Sri-Lanka**

Pop Up MakerSpace for
30+ kids



AMERICAN CORNER JAFFNA

**US Embassy, Colombo
Sri-Lanka**

Popup MakerSpace for 30+
kids



IGNITERSPACE NARAHENPITA BRANCH

Narahenpita, Sri-Lanka

MakerSpace for 50 kids



IGNITERSPACE NEGOMBO BRANCH

Negombo, Sri-Lanka

MakerSpace for 40 kids



IGNITERSPACE GAMPAHA BRANCH

Gampaha, Sri-Lanka

MakerSpace for 20 kids



IGNITERSPACE MORATUWA BRANCH

Moratuwa, Sri-Lanka

MakerSpace for 40 kids



IGNITERSPACE KANDY BRANCH

Kandy, Sri-Lanka

MakerSpace for 50 kids

Core TEAM

Co-Founder



Hasith Yaggahavita

Co-Founder & CEO

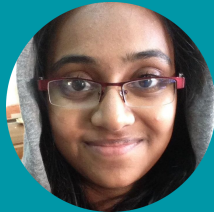


Jehan Wijesinghe

Co-Founder & CDO



Subhashini Wijewardhana



Research &
Development



Business
Development



Operations

Full-time Team



Branch Management

30+ Parttime Facilitators





Sunday has become the favourite day of the week since for them, since they joined IGNITER SPACE

- Dilshan Fernando



Absolutely wonderful class! I can't think of anything better for my son to do on a Saturday at 12.30. He loves it and is so excited to bring home his creations.

- Sanjee Wanniatichi



The only class my son is all dressed and ready to go, half an hour early!!!

- Neelangie Nanayakkara



IgniterSpace is unique. Their innovative ways of Teaching, friendliness of all staff, inspirational coaching and mentoring, as well as clean and modern facility provide the perfect environment for learning. I would highly recommend IgniterSpace for all the parents who are looking for a place that inspire kids to do more with the technology than what they usually do.

- Dr. Madhu Fernando

OUR ACHIEVEMENTS



**Aavishkaar
Impact Award
2017**



**1st Runner up
Venture Engine
2017**



**Winner
E-Swabhmani
Education & Learning Category
2017**



igniter
SPACE

Thank You!