SCHOOL SUPPLIES



School Products

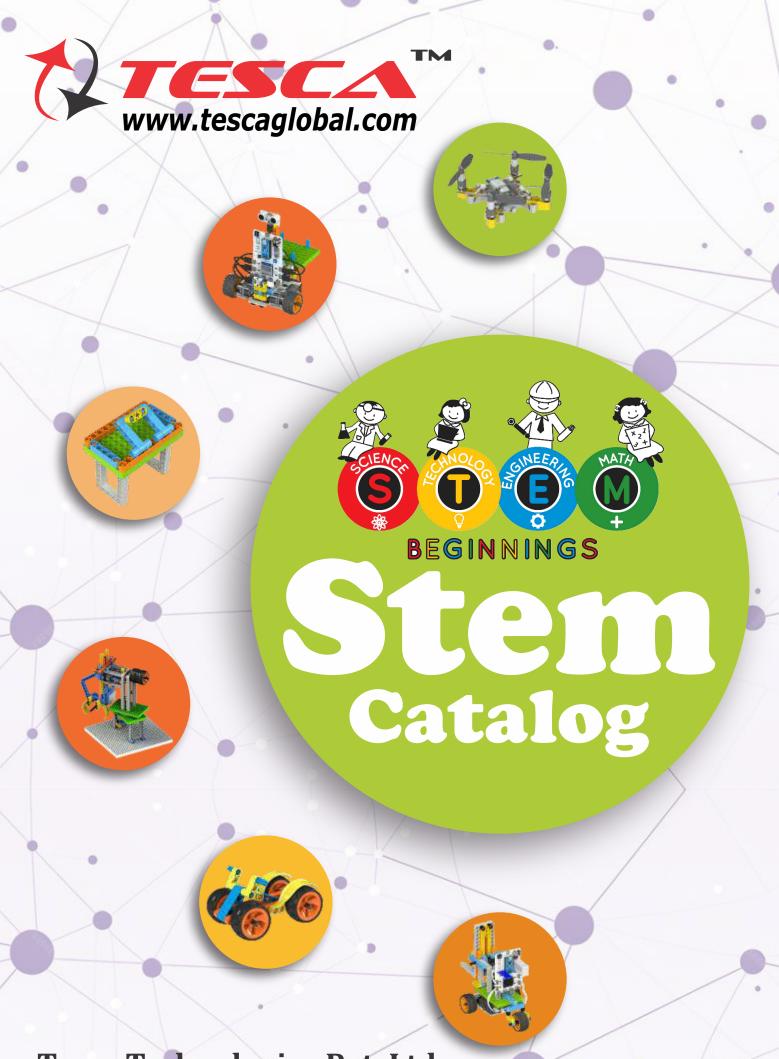
- STEM
- GAMES

Catalog

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- >> TOYS
- CHILDREN LEARNING RESOURCE





Tesca Technologies Pvt. Ltd



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Note: Specifications are subject to change.

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What is Steam, Robotics & AI?

Integrated STEAM-Robotics and AI (Artificial Intelligence) is an interdisciplinary approach to teaching and learning that combines Science, Technology, Engineering, Art and Mathematics (STEAM) with Robotics and Al. This approach emphasizes problem-solving, critical thinking, and hands-on learning experiences, allowing students to apply STEM concepts to realworld challenges.

Through integrated STEAM-Robotics and Al, students learn how to design, build, program, and operate robots and other automated systems using a variety of tools, such as sensors, motors, and microcontrollers. They also learn about the principles of AI, including machine learning and computer vision, and how to apply these principles to solve complex problems.

Integrated STEAM- Robotics and AI programs typically focus on project-based learning, where students work in teams to design and build solutions to real-world challenges. This approach promotes collaboration, communication, and creativity, and prepares students for the 21st-century workforce, where STEM skills and knowledge



How will young students be benefited?

- > To provide exposure of future technological world.
- > To build innovative solutions for real-life problems.
- > To introduce learning by doing at an early age.
- > To nurture 21st Century skills by Project-based learning.
- > To enhance their problem solving approach towards community problems in line with

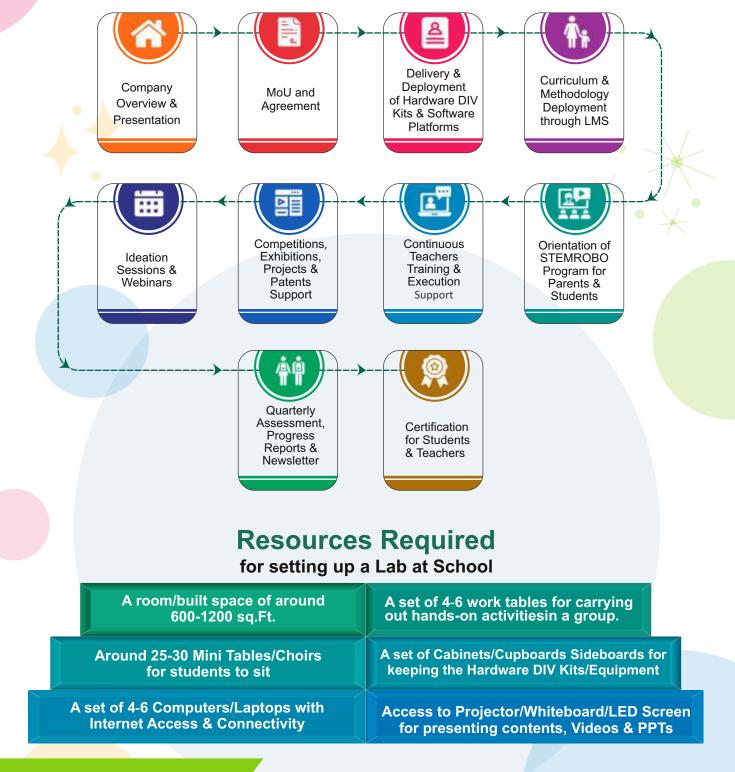
	Top Skills in	Demand	
	ê		•••
Analytical thinking and innovation	Active learning and learning strategies	Complex problem-solving	Technology design and programming
		ŧŔŔŇŇŇ	<u>i</u>
Critical thinking and analysis	Creativity,originality and initiative	Leadership and social influence	Reasoning and ideation
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IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India, Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com

01



END-TO-END IMPLEMENTATION & SUPPORT PLAN



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DIV Kit Name : Sensor Box

Description : This Sensor Kit compatible with Arduino is supplied with a var iety of sensors t hat are compatible with Arduino Boards. This is the most complete performance starter kit with all the essential Arduino sensors. This kit contains excellent sensors which are compatible with Arduino. You can find the best sensors, whether you're a beginner or an expert in this field, and use them to create the best DIV projects on your own. Prototyping will be easy and fun-loving with this Kit.

Category : STEM-Robotics SKU Number : 1608 SKU Programmable/ Non- Programmable : Programmable Kit to Student Ratio: 1: All Grade Category: For Project Purpose

DIV Kit Name : Soldering Box

Description : Hookup Wire Roll (Red), Hookup Wire Roll (Black), Hot glue gun, Soldering Iron 30 watts/230 volts, De-Soldering Pump, Soldering Flux (Paste)-50grams, DE-soldering Copper Braid(Solder Wick),Soldering Wire: 20/22 AWG soldering Wire with rosin core flux (100 Grams),Soldering Helping hand, Glue Sticks, Safety goggles. Safety Gloves Pairs, Safety Mask

Category : Accessories SKU Number : 1601 SKU Programmable/ Non- Programmable : NA Kit to Student Ratio: 1:All Grade Category: For Project Purpose

DIV Kit Name : STEM-Electronics

Description : The Smart Circuit kit contains more than 50 DIV (Do It Yourself) projects with more than 40 interactive simulations and 10 real-world model templates and a colorfull user manual with its easy-to-follow instructions, smart electronics kit gives a hands-on education in how electrical circuits work to run theeveryday devices that they're familiar with. They'll also gain valuable lessons in building circuit design. This kit contains more than 12 electronic components, more than 30 magnetic blocks as well as more than 40 accessories for real model building along with dual power (USB + DC) which can be used to create many projects also no soldering is required.

SKU Number : 1604 SKU, Programmable/ Non- Programmable : Non-Programmable, Kit to Student Ratio: 1:4, Grade Category: 1st to 8th



DIV Kit Name : STEM BOT

Description : Stem Bot is a graphical programming robot for STEM education, which inherits playability and simple operation on the micro:bit (Version 2). Includes various sensors like IR (Infrared Sensor), Ultrasonic sensor, and Light sensor to make DIV robotics projects. MakeCode is a free online coding platform availab le to code and learns advanced coding concepts. **Category** : Al Based Robotics Kit

SKU Number : 1603 SKU Programmable/ Non- Programmable : Programmable Kit to Student Ratio: 1:5 Grade Category: 6th- 12th

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Tesca Labs for schools provides the perfect platform for students to develop the necessary technical knowledge to become future-ready. The platform is designed to help students gain an indepth understanding of coding, Artificial Intelligence, and Robotics through hands-on experiments.

With the help of our cutting-edge technology, students can explore, experiment, and build projects of their own, all while developing their critical thinking and problem-solving skills.

Equipping students with the skills needed to thrive in the 21st century is imperative for success.

With the International curriculum stressing the need for AI-powered education, Tesca Labs is the perfect solution to help students realize their full potential and become future-ready

Key Activities to be covered under the Lab:



Programming



Artificial Intelligence



Interactive AI Projects



Robotic



Robot Localization & Automation Technology



Self Driving

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Note: Specifications are subject to change.





Quarky Ultimate Kit Qty. - 18





Quarky Explorer Kit Qty. - 04





Mars Rover Addon Kit Qty. - 01



3.7V Lithium Ion Battery

Qty. - 10

Humanoid Robot Addon Kit Qty. - 01





1-Meter-long USB Cable Qty. - 05



Servo Motor Qty. - 18

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Battery Charging Station (6 Ports), Qty. - 04



Ultrasonic Sensor 3.3V Qty. - 10



Quarky Motor Bundle (DC Motor, Mounting Bracket, Wheel), Qty. - 18



Jumper Cable Male-Male - Qty. - 200 Male-Female - Qty. - 120 Female-Female - Qty. - 120

Note: Specifications are subject to change.



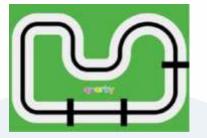


Alligator Wire Qty. - 80





Plastic Addon Pack Qty. - 04





Fastener Addon Pack Qty. - 04

Activity grade 3-8 {10 books each garde) Qty. - 60

Cable Tie Qty. - 08

Self-Driving Arena Qty. - 18

Flagship Products Quarky Ultimate Kit

Students love to play with hardware toys and kits. And it is also being observed that students involved in practical activities involving hardware have better retention and understanding of the concepts. At an early age, it is recommended that the students play with Abacus to learn mathematics.

Robotics is a very good tool to create engagement in kids to learn to code and develop computational thinking. It can be used to engage students in real-life problem-solving.

Tesca offers a one-stop solution for engaging students in Robotics with a focus on coding and AI. Quarky has a lot of features inbuilt allowing students to focus on conceptual understanding of physical computing, robotics locomotion, autonomous robots, self- driving cars, and automation in a very interactive way. Quarky can connect with PictoBlox using BLE or USB cable and has inbuilt short circuit protection making it safe for students.





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Learn Industry-Standard Concepts

Tesca helps you understand widely used artificial intelligence concepts such as machine learning (self-driving cars), face recognition (face unlock), speech recognition (Alexa), etc.

One Infinite Kit Creations

Quarky can become anything and do anything that you want it to. You can make hundreds of interactive real-world applicationsbased projects such as an expression detector, AI delivery bot, home automation system, etc.

Just Plug and Start Playing

Quarky has a plug-and-play interface, which means that you can easily connect common electronic components like sensors, motors, servos, etc. without having to solder them.

Programmable with Smartphone & Tab

Code and control all your projects, games, animations, and robots anytime, anywhere using a

Smartphone or a tablet! You can even mount your phone on them to make them completely autonomous.

Robots Configurations

Tesca Technologies Pvt. Ltd. IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India, Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com NQ

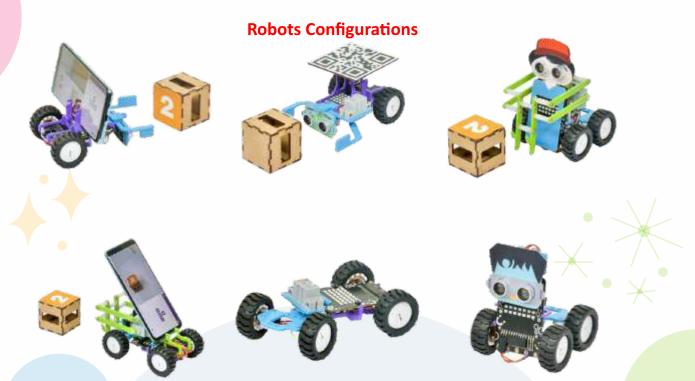
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PictoBlox - Learning Coding, AI, and Robotics made easy for Kids



Computer Vision, Natural Language Processing, Object Detection, Human Pose Detection, Speech Recognition, QR Code Scanner, and Machine Learning. 2. The objective of learning AI with PictoBlox is to engage students to create their own AI applications rather than going in-depth with the mathematics of neural networks. For example, with the following simple script the students can make a face filter in PictoBlox: 3. PictoBlox also allows the user to create machine learning models with offline training mode.

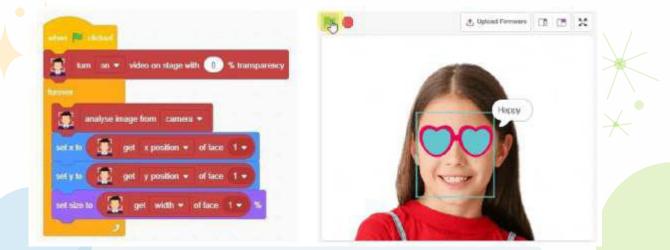
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PictoBlox is the coding education software which has both graphical block-based and Python programming:

- 1. It allows students to add AI capabilities to their projects like Face Detection & Recognition, Computer Vision, Natural Language Processing, Object Detection, Human Pose Detection, Speech Recognition, QR Code Scanner, and Machine Learning.
- 2. The objective of learning AI with PictoBlox is to engage students to create their own AI applications rather than going in-depth with the mathematics of neural networks. For example, with the following simple script the students can make a face filter in PictoBlox:



- 3. PictoBlox also allows the user to create machine learning models with offline training mode. This is a very intuitive GUI created to make the process simple for the students. Using this module, students can create their custom ML models and use them in PictoBlox projects.
 - 3.1. Image Classification
 - 3.2. Human Pose Classification
 - 3.3. Hand Pose Classification
 - 3.4. Text Classification
 - 3.5. Object Detection
 - 3.6. Number Regression and Classification
 - 3.7. Audio Classification



- 4. PictoBlox is also available for Smartphone devices making coding & AI easily available for students who do not have access to a computer or a laptop.
- 5. As Python is integrated into the same platform it allows students to migrate from blockbased coding to syntax coding with ease.

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Note: Specifications are subject to change.



6. PictoBlox is compatible with a wide range of hardware devices like Quarky, Arduino Uno, Nano, Mega, ESP32, and many more. This gives students an opportunity to implement coding and AI projects with interactive hardware.

Curriculum & Training for Students Curriculum

Tesca has a created yearlong curriculum for Classes 3-12 in alignment with the British curriculum. The curriculum is experiential learning focused and will cover the basics and advanced levels of Programming, IoT, Artificial Intelligence, Machine Learning, and Robotics.

It is aligned with the international curriculum for Coding & AI Skill subjects.

Stage (Class)	Curriculum Objectives	Concepts Covered
Preparatory (Class 3-5)	Play, discovery, and activity-based and interactive classroom learning.	 Graphical Programming - Game, Story, and Quiz AI and ML Activities Physical Computing and Robotics
Middle Stage (Class 6-8)	Experiential learning aligned with Coding & Al skill subjects as per International Curriculum.	 Coding (as per Skill Subject) Artificial Intelligence (as per Skill Subject) Physical Computing and Automation Robotics, Design Thinking, and Tinkering
Secondary (Class 9-12)	Coding, AI and Robotics with Python aligned with AI skill subject.	 Python Basics (as per Computer Science) Artificial Intelligence (as per Skill Subject) Physical Computing and Robotics with Python Tinkering

Training of Students

The school will appoint teachers for student training on the curriculum. The student training will be conducted in the following method:

- Students will have 30 teaching sessions (1 class of 40 minutes weekly) per year
- Each year, students will make capstone projects where they will be given problem statements to work on, based on their learning from the curriculum
- Students will have 5 additional sessions for doubt clearing, exhibition & presentations
- Students will get certificates after completion of each year which will be accredited by tesca

Capacity Building Program and Handholding for Teachers

Tesca will help existing computer science teachers build their capacity so they can effectively teach the curriculum. Capacity building involves providing 3 days of virtual teacher training during the program to

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Note: Specifications are subject to change.





- Easy to Start
- Easy Results
- Motivates Students
- No Cost of Failure

#	Item	Quantity	Note
1	Al Kit	20 Kits	
2	LMS Teacher Access	5 Licenses	
3	LMS for Students	500 Licenses per school	
4	Access to coding Application	-	
5	Access to Cloud	T.	
6	Access to Android App Development Extension	-	
7	Teacher Training Program	3 days	Virtual
8	1 year virtual support	24 Virtual sessions	Through one year period

SPECIFICATION

- Contains 63 Module & Accessories
- It contain one Programmable Block called – NetLogic (WIFI & Bluetooth both)
- Basic electronics components like Light, Buzzer, NOT Gate, High Speed Motor
- Two ON/OFF Motors with Mounted BO & Servo motor & Parts.
- 13 types of sensors, few are Light Sensor, Obstacle Sensor & Moisture Sensor, Motion, Vibration Sensor, Sound Sensor, Tilt Sensor
- Smart Switch to control appliances
- Having Construction Kit which contains 100+ components

SAMPLE PROJECTS

- Morse code with buzzer
- Pre-programmed path robot
- Automatic plant watering
- Cliff avoidZ
- Obstacle avoiding robot
- Salt water conductivity
- Digital Key
- Digital dimmer projectand many more

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Note: Specifications are subject to change.



Component	Qty
Adapter/Charger	1
Battery Power	2
Buzzer	1
Connectivity sensor	1
Сору	1
Dimmer	1
High speed motor	1
Inverter	1
Light	1
Light Sensor	1
Limit Switch	2
Magnetic sensor	1
Mini Plastic Fan	1
Motion Sensor	1
Motor with mounted BO	2
NetLogic	1
Obstacle sensor	2
OTG Adapter	1
Pipe	1
Pulley	1
Pulse Delay	1

Component	Qty		
Push Button	2		
Receiver	1		
Sensor Base with threshold	4		
Servo Motor	2		
Servo Motor part	2		
Smart Switch	1		
sound sensor	1		
Submersible pump	1		
Switch	2		
Tilt sensor	1		
Transmitter	1		
U- Left	1		
U- Right	1		
USB Cable	3		
Vibration Motor	1		
Vibration sensor	1		
Wheel	2		
Small Wheel	1		
Magnet	1		
Wire	4		

Component	Qty
AND	1
OR	1
Toggle	1
USB Rechargeable Battery	2
Plastic Building Block Set 100+ Pcs	1



LMS FOR TEACHER'S & STUDENT'S

Teachers View



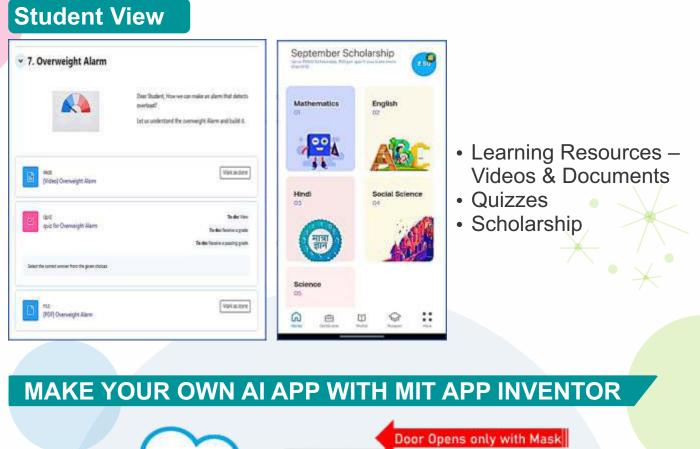
- Teaching Resources
- Session Power Point presentations
- Monitor students progress

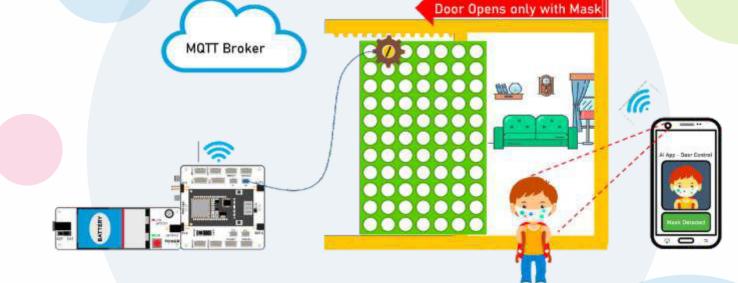
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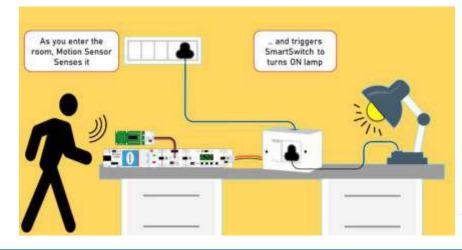


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Note: Specifications are subject to change.



AUTOMATE WITH SMART SWITCH



MAKE YOUR OWN IOT APP WITH MIT APP INVENTOR





We train school teacherson:

- · How to use kit
- How to make use of LMS
- How to effectively teach in the classroom
- How to mentor students

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Note: Specifications are subject to change.



STEM LEARNING SYSTEM (BASIC) Order Code - STEM-001



This kit is designed for schools to be able to roll out well structed STEM/Robotics/AI education programs. This is an awesome beginner kit that offers modular Electronics, Robotics & Coding blocks. The kit can be used both with and without coding making the first step very easy for students. It has 22 blocks containing coding block, power supply, various inputs, sensors, outputs, motors, and much more. The kit also has plastic construction components.

The kit support Block coding, C++ & Python. The coding can be done using Windows, Android and iOS PCs/tablets

The kit comes with well structured 24 sessions of video curriculum that is available in LMS (learning management service). We also conduct teacher training programs. Education topics covered: Electronics, Robotics, AI & IoT







Specification

- Contains 22 Module & Accessories
- It contain one Programmable Block called NetLogic (WIFI & Bluetooth both)
- Basic electronics components like Light, Buzzer, NOT Gate, High Speed Motor
- Two ON/OFF Motors with Mounted BO
- Some sensors like Light Sensor, Obstacle Sensor & Moisture Sensor
- Rechargeable Battery with Charge & Cable
- Has construction kit with 50+ components

Sample Projects

- Car Parking Safety Alarm
- Open Door Alarm
- Morse code with buzzer
- Adding Motion & senses to your project
- Digital dimmer project
- Digital Key.....and many more

Note: Specifications are subject to change.



STEM LEARNING SYSTEM (BASIC) Order Code - STEM-001

COMPONENT DETAILS

Component	Qty	Details	Component	Qty	Details	Component	Qty	Details
a terres	1	USB Rechargeable Battery	٧	2	Obstacle Sensor – Make your projects to take decision by sensing things		2	Robotic Wheel - Give power to your projects to move around
	1	Battery Power Block – Supply power to rest of the blocks		1	around it Sensor Base – Connect variety of sensors to this base	*	1	Fan - Give power to your projects to blow air around
	2	Motor Blocks - make lot of		1	Light Sensor – Make		2	3 pin wire to connect sensor
		robotics and other interesting			your projects to sense light around it and take decisions		2	2 pin wire to motors
<i>ō</i> o	1	projects with it High Speed DC Motor	-	1	Moisture Sensor – Make your projects to sense moisture to make decisions		1	Adapter NetLogic - Code
3	1	Buzzer - Give Sound to your projects		1	Copy – with one input make three outputs work			your kit with Cretile
4	1	Light – Make your project shine and light	60	1	NOT - Logic gate that give inverted output of its input		1	Use Drag-n-drop coding With Wi-Fi
57	1	USB Cable		1	Small Wheel			Connect to internet and explore the world of IoT

Construction Kit Component	Qty	Details	Construction Kit Component	Qty	Details	Construction Kit Component	Qty	Details
Wannessen	2	Base Plate	//////	ő	tx5 Strip		2	Free Pipe
			********	4	tx11 Strip		3	Robotic Wheels
	18	Connector	*******					
			-	1	Wheel Shaft			
/////	4	Connector	000	3	Gear Wheels			
	2	Motor Coupler		1	Big Gear			
				1	Shaft		2	Moving Connectors
	1	Remover Tool	-		n over 3		4	Free connectors

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Note: Specifications are subject to change.



STEM LEARNING SYSTEM (BASIC) Order Code - STEM-001

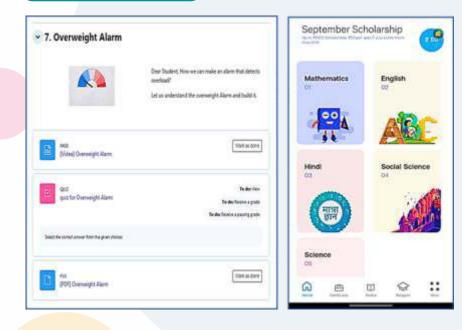
LMS FOR TEACHER'S & STUDENT'S

Teachers View

	tes] To understand the another use of obstacle sensor, and concept of overweight alarm.	by making students aware of weighing
l of the	e project is to understand the how can we make weigh lications.	t measuring instrument and use it for real
	mot [10 Minutes] Understanding the concept	Mark wildone
	linutes Teacher will explain about different uses of obstacle sensor larg machine be automoted	r and ack-geneticers to shadoots about how can
(3 mi	instan) Students will share project ideas for Decreveloph alleren	
(7 mi	india Teacher will explain the functionality of each module in the	teges
TA	nci	Mark as done
	[[0 Minutes] Understanding of working Model	5
	ndes) Teacher will ask questions to students about functionality of instality, for each part of the project , Teacher will lead students to in	
	instes) Students will assemble the circuit of Overweight Alarm	
10.00		

- Teaching Resources
- Session Power Point presentations
- Monitor students progress

Students View



- Learning Resources Videos & Documents
- Quizzes
- Scholarship

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Note: Specifications are subject to change.



STEM LEARNING SYSTEM (MEDIUM) Order Code - STEM-002

- This kit is designed for schools to be able to roll out well structed STEM/Robotics/Al education programs. This is an awesome medium kit that offers modular Electronics, Robotics & Coding blocks. The kit can be used both with and without coding making the first step very easy for students. It has 45 blocks containing coding block, power supply, various inputs, sensors, outputs, motors, blocks for logic gates and much more. The kit also has plastic construction components.
- The kit support Block coding, C++ & Python. The coding can be done using Windows, Android and iOS PCs/tablets
- The kit comes with well structured 24 sessions of video curriculum that is available in LMS (learning management service). We also conduct teacher training programs.
- Education topics covered: Electronics, Robotics, AI & IoT

Specification

- Contains 45 Module & Accessories
- It contain one Programmable Block called NetLogic (WIFI & Bluetooth both)
- Basic electronics components like Light, Buzzer, NOT Gate, High Speed Motor, Push Button, Pulse Delay etc
- Two ON/OFF Motors with Mounted BO & Servo motor & Parts
- Some sensors like Light Sensor, Obstacle Sensor, Motion Sensor, Tilt Sensor, Sound Sensor & Moisture Sensor
- Rechargeable Battery with Charge & Cable & U-Right also

Sample Projects

- Automatic door alarm
- Pre-programmed path robot
- Cliff avoiding robot
- Obstacle avoiding robot
- Digital Key
- Salt-water conductivity.....and many

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Note: Specifications are subject to change.



STEM LEARNING SYSTEM (MEDIUM) Order Code - STEM-002

Component	Qty	Details
	1	USB Rechargeable Battery
	2	Battery Power Block - Supply power to rest of the blocks
	2	Motor Blocks – make lot of robotics and other interesting projects with it
00	1	High Speed DC Motor
-	1	Buzzer – Give Sound to your projects
4	1	Light – Make your project shine and light
-Z-	1	Connectivity Sensor
-	1	Copy block
8)	1	Motion Sensor - sense Motion to make decisions

Compo- nent	Qty	Details
3	1	Obstacle Sensor – Make your projects to take decision by sensing things around it
1	1	Sensor Base - Connect variety of sensors to this base
	1	Light Sensor – Make your projects to sense light around it & take decisions
N N N	1	Moisture Sensor - Sense moisture to make decisions
4	1	NOT – Logic gate that give inverted output of its input
	1	Dimmer – Allows output to be increased or decreased as per project need
	1	Limit Switch – Provides door bell like push switch functionality
6.ang	1	Pulse Delay – Add timer function to your project to make smart decisions

Component	Qty	Details
-	1	NetLogic – Code your kit
Ter		Use Drag-n-drop coding/C++/python
		With Wi-Fi Connect to internet & explore the world of IoT
N.	1	Push Button - Provides door bell like push switch functionality
	1	Servo Motor + Driver
(PC)	1	Submersible water pump
٢	1	Switch
-	1	U-Right: make your circuit compact with it
	1	Place your Cretile flexibly with wire

Construction Kit Component	Qty	Details
	2	Base Plate
	18	Connector
11111	4	Connector
	2	Motor Coupler
	1	Remover Tool

Construction Kit Component	Qty	Details
//////	6	1x5 Strip
**************************************	4	1x11 Strip
	1	Wheel Shaft
	3	Gear Wheels
a di ta	1	Big Gear
	1	Shaft

Construction Kit Component	Qty	Details
	2	Free Pipe
	3	Robotic Wheels
6		
6		
00	2	Moving Connectors
**	4	Free connectors

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Note: Specifications are subject to change.



STEM LEARNING SYSTEM (MEDIUM) Order Code - STEM-002

omponent	Qty	Details	Component	Qty	Details				
8	2	Robotic Wheel – Give power to your projects to move around	S	1	AND Gate				
*	1	Fan - Give power to your projects to blow air around	-	1	OR Gate			EACHER	\$ 2´S
9	1	Cretile pulley		1	Toggle			ENT`S	\ U U
>	2	3 pin wire to connect sensor	O	1	Pipe	1			
	2	2 pin wire to motors	-			J	St	udent Vie	ew
2	1	USB			• 7. Overweight A	larm		September Scholar	ship 🥵
-	1	Adapter				Der Balen, har er an er anstaaf Ot er enketpiel fin eener			nglish 7
	1	Small Wheel			Trong Committy Ale	-	[100.01004]		ABC
<u> </u>					at at the second		harte	Hndi S	acial Science
Tea	cha	ars View			Int Consequences for the per- turbation of the perturbation of the per- turbation of the perturbation of t		Bancher Bahr benn spins Bahr benn spinspins	Schence	() ()
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(Teacher Minutes) To un achine, and conver achine, and conver aut of the project b ordd applications. (10 minutes The explay machine (10 minutes The explay (10 minutes The explay	Resou ferstand th t of evenue to underst deej Unders her will equa	urce] 7.Overweight / e another use of obstacts sensor, i eight alarm. tand the how can we make weight tanding the concept	by making students aware o measuring instrument and	une it for r	The Second Secon	Learning & Docum Quizzes	the beaution the beaution the beaution the beaution the beaution of Reso ments		() ()
Control of the project a definition of the defini	Resou ferstand th it of overwe to underst to underst be adversely to adversely are will togeth	trce] 7.Overweight / e another use of obstacle sense; t eight alarm. tand the how can we make weight tanding the concept in about different uses of obtacle senser e project blues for Overweight alarm	by making students aware o measuring instrument and	une it for r	real Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core Core	Learning & Docum Quizzes Scholars	y Resonents ship	vurces – V	∕ideos

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Note: Specifications are subject to change.



STEM LEARNING SYSTEM (ADVANCED) Order Code - STEM-003



This kit is designed for schools to be able to roll out well structed STEM/Robotics/IoT/AI education programs. This is an awesome advance kit that offers modular Electronics, Robotics & Coding blocks. The kit can be used both with and without coding making the first step very easy for students. It has 63 blocks containing coding block, power supply, various inputs, sensors, outputs, motors, blocks for logic gates, transmitter, receiver, Smart Switch and much more. The kit also has plastic construction components.

The kit support Block coding, C++ & Python. The coding can be done using Windows, Android and iOS PCs/tablets

The kit comes with well structured 24 sessions of video curriculum that is available in LMS (learning management service). We also conduct teacher training programs.

Education topics covered: Electronics, Robotics, Automation, AI & IoT

SPECIFICATION

- Contains 63 Module & Accessories
- It contain one Programmable Block called -NetLogic (WIFI & Bluetooth both)
- Basic electronics components like Light, Buzzer, NOT Gate, High Speed Motor
- Two ON/OFF Motors with Mounted BO & Servo motor & Parts.
- 13 types of sensors, few are Light Sensor, Obstacle Digital dimmer projectand many more Sensor & Moisture Sensor, Motion, Vibration Sensor, Sound Sensor, Tilt Sensor
- Smart Switch to control appliances
- · Having Construction Kit which contains 100+ components

SAMPLE PROJECTS

- Morse code with buzzer
- Pre-programmed path robot
- · Automatic plant watering
- · Cliff avoiding robot
- Obstacle avoiding robot
- · Salt water conductivity
- Digital Key

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Note: Specifications are subject to change.



STEM LEARNING SYSTEM (ADVANCED) Order Code - STEM-003

Component	Qty
Adapter/Charger	1
Battery Power	2
Buzzer	1
Connectivity sensor	1
Сору	1
Dimmer	1
High speed motor	1
Inverter	1
Light	1
Light Sensor	1
Limit Switch	2
Magnetic sensor	1
Mini Plastic Fan	1
Motion Sensor	1
Motor with mounted BO	2
NetLogic	1
Obstacle sensor	2
OTG Adapter	1
Pipe	1
Pulley	1
Pulse Delay	1

Component	Qty
Push Button	2
Receiver	1
Sensor Base with threshold	4
Servo Motor	2
Servo Motor part	2
Smart Switch	1
sound sensor	1
Submersible pump	1
Switch	2
Tilt sensor	1
Transmitter	1
U- Left	1
U- Right	1
USB Cable	3
Vibration Motor	1
Vibration sensor	1
Wheel	2
Small Wheel	1
Magnet	1
Wire	4

Component	Qty
AND	1
OR	1
Toggle	1
USB Rechargeable Battery	2
Plastic Building Block Set 100+ Pcs	1





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Note: Specifications are subject to change.





STEM LEARNING SYSTEM (ADVANCED) Order Code - STEM-003

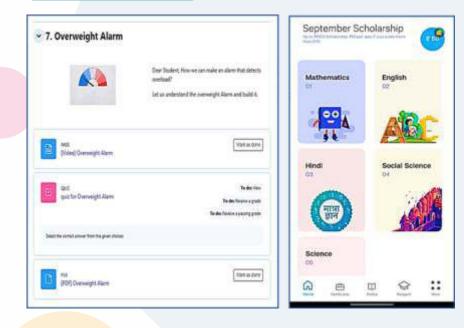
LMS FOR TEACHER'S & STUDENT'S

Teachers View

	es) To understand the another use of obstacle sensor, by m ind concept of overweight alarm.	aking students aware of weighing
	e project is to understand the how can we make weight mea inations.	usuring instrument and use it for real
B	mdt [10 Minutes] Understanding the concept	Mark widone
	incles [Teacher will explain about different uses of obstacle samon and a sing machine be automated	ck genetices to stateous about how can
(3 mir	renten Shadootha will share project ideas for Decreasight alorm	
(7 mi	netes Teacher will explain the functionality of each module in the project	Ŕ
TINY	the l	Mark so don
-	[20 Minutes] Understanding of working Model	<u></u>
	ndes) Teacher will ask questions to shutlerin about functionality of project onality, for eark part of the project, Teacher will lead students to identify	
10.000	index) Students will assemble the circuit of Overweight Alarm	

- Teaching Resources
- Session Power Point presentations
- Monitor students progress

Students View



- Learning Resources Videos & Documents
- Quizzes
- Scholarship

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Note: Specifications are subject to change.



TINKER ORBITS Order Code - STEM-004

Tinker Orbits is a STEAM Robotics kit for kids to explore the basic concepts of electronic circuits, sensors, Robotics, logics and programming with the help of plug 'n' play modules. It is an educational DIY kit for students which covers the learners' journey around Robotics from Beginner level to the advanced Robotics concepts. This contains both programmable and non-programmable activities. Also, Programmable activities are covered through Block Coding as well as Textual programming.

LEARNING OUTCOMES

- 1. Ability to Formulate Problem and Solutions
- 2. Analytical & Critical Thinking

PRODUCT FEATURES

- 1. Easy to Connect Plugs.
- 2. Curriculum Mapped with SDG.
- 3. Supports Graphical and Textual Programming.
- 4. Video Tutorial, User Manual and Learning

TECHNICAL SPECIFICATION

- 1. Android + Web Application
- 2. IOT
- 3. Color Coded Modules

DIA KITS ACTIVITY

- 1. Weather Station
- 2. Smart Dustbin
- 3. Anti Theft Alarm



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Tinker Orbit







TINKER ORBITS (Extended PBL Box) Order Code - STEM-005

Tinker Orbits extended Project based kit offer students to create 12 unique projects around the the concepts of AI like Smart Home, Smart Irrigation System, Railway Crossing, Smart dustbin etc.

LEARNING OUTCOMES

- 1. Ability to Formulate Problem and Solutions
- 2. Analytical & Critical Thinking
- 3. Creative & Innovative Programming Skills
- 4. Concepts of Electronics, Logics Gates & Awareness about SDGs

PRODUCT FEATURES

- 1. Simple in Assembling/Disassembling.
- 2. Attractive Design.
- 3. Double-Layer Structure, Mauch of Mounting Holes, Enough Space.
- 4. Ideal for DIY Platform.
- 5. SDG Goal Mapped Projects.

TECHNICAL SPECIFICATION

- 1. Printed Board Cut Out
- 2. Thickness: 3-4mm

DIA KITS ACTIVITY

- 1. Solar Tracker
- 2. Railway Crossing
- 3. Automatic Pet Feeder
- 4. Smart Bin



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Note: Specifications are subject to change.

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ELECTRONICS KIT Order Code - STEM-006

Breadboard electronics allow kids to work with real electronics components without needing to use a soldering iron. Kids work with real electronics components. And breadboard is frequently used for prototyping real electronics projects - it's a useful skill to have.

BASIC ELECTRONIC KIT

MINI ELECTRONIC KIT

LEARNING OUTCOMES

- 1. Development of an Innovative Mindset
- 2. Circuit Building Skill
- 3. Innovators to Become Creators
- 4. Basic Electronics

PRODUCT FEATURES

- 1. Reusable Prototyping Board.
- 2. Endless Possibilities.
- 3. SDG Mapped Content.
- 4. Day-to-DAy Technology.

TECHNICAL SPECIFICATION

- 1. 800 Pin Solderless Bearboard
- 2. 5mm (20mA) LEDs
- 3. Sensor
- 4. Multi-Core Dupont (Jumper)Wires

DIA KITS ACTIVITY

- 1. Countdown Display
- 2. Mood Lighting
- 3. Smart Water Level System
- 4. Automatic Street Light



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Note: Specifications are subject to change.

BV2II

ELECTRON





TINKER N DESIGN KIT Order Code - STEM-007

An **Augumented Reality Enabled** 3D Pen based prototyping kit for primary students to kick-start their 3D Prototyping journey without any programming.

LEARNING OUTCOMES

- 1. Augmented Reality
- 2. Design Thinking
- 3. Arts
- 4. Creative Mindset

PRODUCT FEATURES

- 1. Easy to Track Stencils.
- 2. Multicolored Filament.
- 3. Includes Mathematical and Science Concepts.
- 4. Augmented Reality Enabled.

TECHNICAL SPECIFICATION

- 1. Nozzle Diameter: 0.7mm
- 2. Filament Supported: ABS/PLA
- 3. Display: Built in LCD
- 4. Filament Diameter: 1.75mm

DIA KITS ACTIVITY

- 1. Magic Shape Maker
- 2. Butterfly Effect
- 3. Bicycle
- 4. Pyramid
- 5. Wind Runner

Projects

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Activity

Note: Specifications are subject to change.

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STEAM PAPER CIRCUIT KIT Order Code - STEM-008

A Paper Circuit is a low-voltage electronic circuit that is created on paper using conductive Copper Tape, LEDs, Buzzer, Switches and a power source such as Coin-Cell battery. It's a friendly way to learn, design and create your own electronics.

LEARNING OUTCOMES

- 1. Creativity
- 2. Design Thinking
- 3. Understanding of Electronics
- 4. Circuit Building Skill

PRODUCT FEATURES

- 1. Fun STEAM Learning.
- 2. Circuit Building With Art & Craft.
- 3. A Combined Platform Where Craft Meets Electronics.
- 4. Playing Learning & Creating with Electronics.

SPPCS TAPE

TECHNICAL SPECIFICATION

- 1. Operating Voltage: 3V
- 2. 5mm LEDs
- 3. Copper Tape
- 4. Designed Booklet

DIA KITS ACTIVITY

- 1. Table Lamp
- 2. Birthday Cake
- 3. Flower Birdy
- 4. Glowing Mind
- 5. Galaxy



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Note: Specifications are subject to change.

Paper

incuit

In interactive Circuit

Learning & Coloring bool

Make

Grow

earn

COIN CELL



ARDUINO ROBOTICS KIT Order Code - STEM-009

End-To-End Platform for students to Kick start child's journey in Robotics. Students can learn Robotics programming through Block Coding and Textual Coding. Also, Interfacing of Sensors and actuators with Arduino controller. This kit is aimed at beginners to advanced level learners and can be used to jump start child' growth and learning towards DIY electronics and robotics system.

LEARNING OUTCOMES

- 1. Circuit Building & Coding Skills
- 2. Design Thinking
- 3. Overview of Robotics & Programmable Devices
- 4. Decision Making

PRODUCT FEATURES

- 1. Easy to Use Hardware.
- 2. Simple to Assemble Chassis with Motor and Wheels.
- 3. Projects Based Learning Modules.
- 4. Includes Compatible Sensors and Hardwares.

TECHNICAL SPECIFICATION

- 1. Bluetooth Frequency: 2.4GHz ISM Band
- 2. ATMega328 Based
- 3. Protocols Supported: I2C, SPI, UART, PWM
- 4. USB Programmable

DIA KITS ACTIVITY

- 1. Black and White Sorter
- 2. Automatic Street Light
- 3. Line Follower Car
- 4. Home Automation



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Note: Specifications are subject to change.

10+

Arduino Robotic Kit



MECHATRON KIT Order Code - STEM-010

MECHATRONICS Robotic Kit is for 6+ Age Kids.

Contains 150+ parts such as metallic strips, Remote control, control card, motors, gears, etc. Comes with an assembly guide with step-by-step instructions to help students build the robot-associated concepts of science and math mentioned with every design. Robotics kits for Kids & Robotic kits for students to make their own Robotics projects.

LEARNING OUTCOMES

- 1. Problem Solving ability
- 2. Design Thinking
- 3. Awareness of Day-to Day-Life Machinery
- 4. Concepts of Simple Machines

PRODUCT FEATURES

- 1. More Than 15+ Working Models.
- 2. SDG Mapped Real Life Models.
- 3. Assembly Guide + Easy to Assemble.

TECHNICAL SPECIFICATION

- 1. Operating Voltage: 12V DC
- 2. 150 RPM Geared Motors
- 3. Remote Control

DIA KITS ACTIVITY

- 1. Table Fan Bot
- 2. Robo Car
- 3. Robo Crane
- 4. Robo Soccer
- 5. Tricycle



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Note: Specifications are subject to change.

MECHATRON



SENSOR BOX Order Code - STEM-011

This Sensor Kit compatible with Arduino is supplied with a variety of sensors that are compatible with Arduino Boards. This is the most complete performance starter kit with all the essential Arduino sensors.

This kit contains excellent sensors which are compatible with Arduino. You can find the best sensors, whether you're a beginner or an expert in this field, and use them to create the best DIY projects on your own. Prototyping will be easy and fun-loving with this Kit.

LEARNING OUTCOMES

- 1. Projects Base Learning
- 2. Working of Different Sensor and Their Applications
- 3. Analog & Digital Devices Innovative Mindset
- 4. Programming Skills

PRODUCT FEATURES

- 1. Handpicked Sensors.
- 2. Endless Innovative Thinking Possibilities.
- 3. Compact Modules.
- 4. Stable Performance.

TECHNICAL SPECIFICATION

- 1. Operating Voltage: 5V DC
- 2. UART Compatible
- 3. 12C Compatible
- 4. Arduino, Raspberry PI Compatible

DIA KITS ACTIVITY

- 1. Distance Calculator
- 2. Accelerometer
- 3. Light Sensor
- 4. Rain Sensor
- 5. Proximity Sensor



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Note: Specifications are subject to change.



BLOCK BASED CONSTRUCTION KIT Order Code - STEM-012

This course makes it easier for children to understand the basics of Physics. The concepts that they learn helps them throughout their learning process in science concepts. Children build complex machines and mechanisms and see the advantage of one over the other. Moreover, they develop tremendous creator confidence in imagining and executing the output of their machine.



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SOLDERING BOX Order Code - STEM-013

Hookup Wire Roll (Red), Hookup Wire Roll (Black), Hot glue gun, Soldering Iron 30 watts/230 volts, De-Soldering Pump, Soldering Flux (Paste)- 50grams, DEsoldering Copper Braid (Solder Wick), Soldering Wire: 20/22 AWG soldering Wire with rosin core flux (100 Grams), Soldering Helping hand, Glue Sticks, Safety goggles, Safety Gloves Pairs, Safety Mask

LEARNING OUTCOMES

- 1. Soldering & Circuit Building Skill
- 2. Safety Practices
- 3. Handling Tools & Equipment
- 4. Basics of Electronics

PRODUCT FEATURES

- 1. Spring-Loaded Vacuum-Style Solder Remover.
- 2. Strong Alligator Clips.
- 3. Distortion-Free Magnifying Glass.
- 4. Safety Glasses with Polycarbonate Lenses.

TECHNICAL SPECIFICATION

- 1. Soldering Iron Wattage (W): 30W Max Temperature : 450C
- 2. De-solder Tool: Pump Tip Nozzle Length: 7.64" / Nozzle O.D.: 0.13"
- 3. Magnifying Lens: 2.5 x 90mm
- 4. Polycarbonate Safety Goggles

DIA KITS ACTIVITY

- 1. Soldering Fundamentals
- 2. PCB Designing
- 3. Circuit Designing
- 4. LED Matrix



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Note: Specifications are subject to change.

1.07.2024

SOLDERING

KIT



PICK & PLACE TANK Order Code - STEM-014

The robotic tank DIY kit includes four motors, trackwheel, and a gripper arm. Two motors are used to power the track wheels. Other motors are used to control the movement of the robotic arm and the gripper. The size and shape of the robot make it suitable for pick and place robot application.

The robot can be easily be programmed to do different operations making it an all-in-one solution for kids to enjoy hands-on experience in building robots, programming, and electronics circuits.

LEARNING OUTCOMES

- 1. Robotic & Programming Skills
- 2. Logical, Critical & Creative Thinking
- 3. Wireless Communication Basics
- 4. Motor Controls

PRODUCT FEATURES

- 1. Arduino Programming.
- 2. Wireless Connectivity via Bluetooth.
- 3. Android App Compatible.
- 4. Wheel With Track Belt.
- 5. In Built Gripper

TECHNICAL SPECIFICATION

- 1. Operating Voltage: 12V DC
- 2. Protocols Supported: I2C, UART, PWM, Digital, Analog
- 3. USB Programmable
- 4. Material: Metal & Plastic

DIA KITS ACTIVITY

- 1. Wireless Controlled Tank
- 2. Materials Handling Robot
- 3. Handling Gripper
- 4. Bomb Diffusal Planning
- 5. Rescue Operations



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HUMANOID ROBOT Order Code - STEM-015

10809

Voice Intelligent RC Robot LED expression voice dialogue intelligent RC robot toy with lights. Robot can glide, dance, sing, tell stories, volume adjustments, and communicate with players according to the script. Increase the ingenuity of children, the cultivation of the independent personality. Robot toy inspires imaginative play and curiosity about science. Rotatable head, enjoy more fun. Flexible hand actions.

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MECHATRON KIT Order Code - STEM-016

The Smart Circuit kit contains more than 50 DIY (Do It Yourself) projects with more than 40 interactive simulations and 10 real-world model templates and a colorful user manual with its easy-to-follow instructions, smart electronics kit gives a hands-on education in how electrical circuits work to run the everyday devices that they're familiar with. They'll also gain valuable lessons in building circuit design. This kit contains more than 12 electronic components, more than 30 magnetic blocks as well as more than 40 accessories for real model building along with dual power (USB + DC) which can be used to create many projects also no soldering is required.

LEARNING OUTCOMES

- 1. Basic Electronics
- 2. Develops Innovative Mindset
- 3. Knowledge of Day-to-Day Tech
- 4. Circuit Building Skills

PRODUCT FEATURES

- 1. Do it Yourself Projects.
- 2. Interactive Simulations.
- 3. Real World Model Templates.
- 4. SDG Mapped Content.

TECHNICAL SPECIFICATION

- 1. Operating Voltage: 5-9V DC
- 2. Connector Type: Magnetic
- 3. USB Power Connector
- 4. 9 X 7 Connector Board

DIA KITS ACTIVITY

- 1. Flash Light
- 2. Hand Trimmer
- 3. Car Music Volume Control
- 4. Lift Cabin Safety
- 5. Fire Alarm System

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Note: Specifications are subject to change.

DEVELOP SKILLS

SMART CIRCUI

Activity

Projects

SY TO CONNECT, EASY TO LEAS

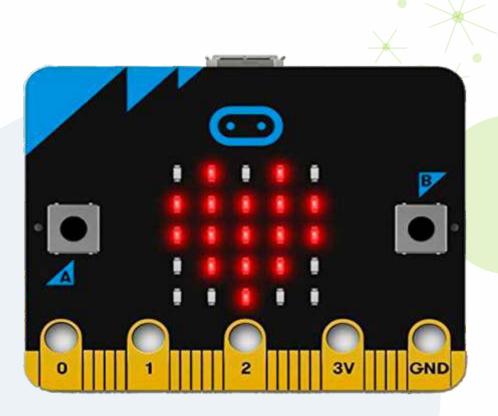
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MICROBIT EXPLORER KIT Order Code - STEM-017

The BBC micro:bit is a pocket-sized computer that introduces you to how software and hardware work together. It has an LED light display, buttons, sensors and many input/output features that, when programmed, let it interact with you and your world.

The new micro:bit with sound adds a built-in microphone and speaker, as well as an extra touch input button and a power button



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Note: Specifications are subject to change.



STEMBOT Order Code - STEM-018

StemBot is a graphical programming robot for STEM education, which inherits playability and simple operation on the micro:bit (Version 2). Includes various sensors like IR (Infrared Sensor), Ultrasonic sensor, and Light sensor to make DIY robotics projects. MakeCode is a free online coding platform available to code and learns advanced coding concepts.

LEARNING OUTCOMES

- 1. Concepts of AI & ML
- 2. Computer Vision
- 3. Overview of Robotics
- 4. Digital Literacy & IOT

PRODUCT FEATURES

- 1. Support of Make Code.
- 2. Arduino & Python Compatible.
- 3. Android Application.
- 4. Graphical Programming Interface.

TECHNICAL SPECIFICATION

- 1. Programming Method: Make Code Graphical Programming
- 2. Connector Type: Magnetic
- 3. Servo Motor Compatible
- 4. Maximum Speed: 200RPM

DIA KITS ACTIVITY

- 1. Night Light
- 2. Range Indicator
- 3. Obstacle Avoider Robot
- 4. RC Car
- 5. Range Indicator on OLED



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Note: Specifications are subject to change.

STEMBOT



3 IN 1 SET OF LINKERS Order Code - STEM-019

Combination of 3 Kits for early Tinkerers to cultivate creativity, imagination, tactile skills, Logical Thinking and Hand-eye coordination. Students will be introduced to multiple types of links and Joint. Connecting components at different angles and create multiple objects.

LEARNING OUTCOMES

- 1. Hand to Eye Coordination
- 2. Construction Skills
- 3. Creative Learning
- 4. Ogranizational Skills

PRODUCT FEATURES

- 1. Made with Safe and Durable Materials.
- 2. Perfect Fitting.
- 3. No Share Edges.
- 4. Multicolor Sticks
- 5. Durable and Safe Colorful Parts.

TECHNICAL SPECIFICATION

- 1. Material Type: Polypropylene
- 2. Colorful Components
- 3. Adjustable Links

DIA KITS ACTIVITY

- 1. Rickshaw Frerris Wheel
- 2. Basket Ball Hoop
- 3. Supermarket
- 4. Space Rover
- 5. Multistory Building



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MECHANICAL TOOLS BOX Order Code - STEM-020

A must have toolbox for all innovators and creators. Your ideas need a right set of tools and this toolbox has got it covered. It includes all types of measurement, cutting, dismentelling and joining tools which can be used to measure thickness of wire, cutting or reshaping wooden pieces. This includes Long Nose Plier, Combination Plier, Wire Stripping Plier, Tweezer Set, Allen Key Set, Universal Multi Wrench Spanner, Screwdriver Set, Flexible Cutting Mat, PegBoard, measuring tape, Stainless Steel Rule, Digital Vernier Caliper.

LEARNING OUTCOMES

- 1. Handling Different Tools
- 2. Basic Workshop Practices
- 3. Safety Standards
- 4. Practices of Materials

PRODUCT FEATURES

- 1. Effective for Cutting Wires and Cables.
- 2. Electronics Tweezers with ESD.
- 3. Lightweight and Self Adjusting easily Fits.
- 4. Accurate Reading.
- 5. Vernier Caliper with LCD Display.

TECHNICAL SPECIFICATION

- 1. Combination Mini Plier Material: High-Carbon Steel
- 2. Tweezer Set Anti-Static, Curved
- 3. Adjustable Universal Multi Wrench Spanner Range: 22-32mm
- 4. Digital Vernier Caliper Measuring Range:

DIA KITS ACTIVITY

- 1. Length Measurement
- 2. Wire Cutting
- 3. Fixing Parts
- 4. Removing Parts



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AGRITECH KIT Order Code - STEM-021

The Agri-Tech kit v1.0 is a complete Internet of Things (IoT) based device which can be used to monitor as well as to control the agricultural parameters such as, soil moisture, rainfall, air quality around the crops, temperature and humidity on the field. In addition, the kit contains the flame detector which detects if there is any unfortunate fire scenario down the field. The kit contains the fully enabled Wi-Fi transceiver which facilitates the user to combine all the field parameters and uploaded to the cloud, which can be seen anytime and anywhere followed by monitoring and automatic control. The Wi-Fi transceiver also allows the user to remotely trigger actions like an alarm, pump etc on the field

IOT

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Note: Specifications are subject to change.



DRONE KIT Order Code - STEM-022

Crash Resistant Smartphone Controlled DIY Nano-Drone Quadcopter with Rechargeable Battery for Coding and STEM

LEARNING OUTCOMES

- 1. Cognitive Learning
- 2. Concepts of UAVs and Drones
- 3. Computational & Observation Skills
- 4. Creative & Innovative Mindset

PRODUCT FEATURES

- 1.⁷ Wireless (Wi-Fi) Connectivity.
- 2. 10-Axis Stability.
- 3. Cygnus IDE.
- 4. Primus V4.

TECHNICAL SPECIFICATION

- 1. 10 DOF Sensor Suit
- 2. Camera: Photo, Vidoe@720p, SD

Card

- 3. Battery: 1S 3.7V 600mAh LiPo with Inbuit Cahrger
- 4. Communication: Wi-Fi Interface Through Smartphone App

DIA KITS ACTIVITY

- 1. Concepts of Roll
- 2. Concepts of Yaw
- 3. Concepts of Pitch
- 4. UAV Concepts
- 5. Surveillance of an Area Using Drone



Tesca Technologies Pvt. Ltd.





AI CONNECT PLATFORM Order Code - STEM-023

"Subscription of AI Connect platform for the programming of AI (Python, Python) Bascis, Machine learning and AI) which will be covering 100% syllabus of CBSE and 50+ Extra Activities for 5th Onwards.



Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.



ARCTIC 3D PRINTER Order Code - STEM-024

This 3D Printer is, an IoT-enabled FDM type 3D Printer, Loaded with exciting features, Arctic offers you the highest build volume in its segment. Student will learn the concept of Design Thinking, programming, and Prototyping. It comes with 5 Kg Filament of different colors.

LEARNING OUTCOMES

- 1. Design Thinking
- 2. 3D Designing
- 3. Additive Manufacturing
- 4. Rapid Phototyping

PRODUCT FEATURES

- 1. Full Graphics LCD.
- 2. Various Color Options.
- 3. Filament Runout Detection.
- 4. IOT Build Volume.

TECHNICAL SPECIFICATION

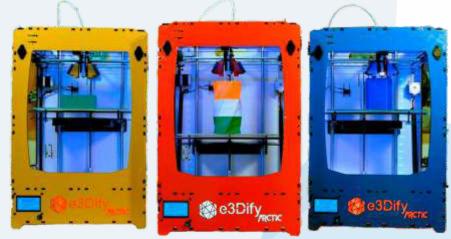
- 1. Extruder Single Nozzle, Size-0.4mm
- 2. Technology: Fused Deposition Modeling (FDM)
- 3. Supported Materials: PLA, ABS, Nylon, Wood Fill and PETG
- 4. Media Interface: MMC, USB, IOT and Camera Monitoring Ready

DIA KITS ACTIVITY

- 1. Ludo Dice
- 2. Gear
- 3. Seal
- 4. Introduction of 3D Designing
- 5. Sword
- 6. Pokeball



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Note: Specifications are subject to change.



BITLI Order Code - STEM-027

Bitli is an innovative robot designed to engage young minds in both basic and advanced activities. Its block-based design allows for easy assembly and customization, making it an excellent tool for educational exploration.

Bitli empowers students to unleash their creativity by enabling them to build and program the robot using colorful blocks. From basic movements to complex AI-driven actions, Bitli adapts to student's skill levels and encourages them to experiment with new ideas.

Based on the Bitli V1 from TESCA, the micro: bit Bitli Bricks Pack contains 360 degrees servos, LED strips, and almost 200 pieces of bricks.

LEARNING OUTCOMES

- 1. Concept of AI & ML
- 2. Construction Skills
- 3. Organizatiocal Skills
- 4. Analytical & Critical Thinking

PRODUCT FEATURES

- 1. Support Microsoft MakeCod: Graphical Programming Interface.
- 2. No Sharpe Edge.
- 3. Durable and Safe Colorful Parts.
- 4. Develop Problem-Solving, Organization and Planning.
- 5. Develop Scientific and Technological Solution.

TECHNICAL SPECIFICATION

- 1. Operating Voltage: 4.5V
- 2. 2.4Ghz Radio Connectivity
- 3. 360 Degree Servo Motor
- 4. Protocol Supported: I2C, SPI, UART, PWM
- 5. Programming Method: MakeCode **Graphical Programming**
- 6. Material Type: High-Quality ABS Plastic

DIA KITS ACTIVITY

- 1. Traffic Light
- 2. CubeBot
- Temperature Controlled Fan
 Smart Desk Lamp
- 5. Wiper
- 6. Sky Slinger



Tesca Technologies Pvt. Ltd.



DIY 0 Order Code - STEM-101

Unleash your creativity by building thousands of models and gift your loved ones this amazing set. You will have an everlasting experience with DIY 0 build mobile stand, keychain holder, goggles, etc.

SKU : Finished Goods1291 Categories : Non motorized 12%





CARS 1 Order Code - STEM-102

This Tesca robot kit for kids maybe be small in size but it's big in excitement. 4 large tyres and specially designed mudguards add tremendous appeal to your creation. This is a fantastic first step to introduce a child to the construction system and towards strengthening their cognitive skill.

SKU : Work In Progress1287 **Categories :** Non motorized 12%, Shop, Stem Toys

Specification

No. of Parts - 41 Models - 4 4 large tyres and specially designed mudguards





BUDDY Order Code - STEM-103

The Tesca robot kits for kids are perfect to work on construction and mechanism. Make a robot whose arms wave using links and joints, a moving horse that has a crank & slider mechanism, and many more creative models. Kids will enjoy building, learning, and exploring science concepts with this.

SKU : Inventory Asset1289 **Categories :** Non motorized 12%, Shop, Stem Toys

Specification No. of Parts - 58 **Models** - 5





CARS 2 Order Code - STEM-104

This robot kit for kids takes the excitement of building cars to another level by the suspension system. Build 9 different types of vehicles from a Mono-shock racer to a Dual shock off-road buggy, all in this one set. Easy construction allows you to tinker with the models and build.

Categories : Non motorized 12%, Shop, Stem Toys

Specifications

No. of Parts - 76 Models - 9 Real working suspension system

Tesca Technologies Pvt. Ltd.



AARTI SET Order Code - STEM-105

Tesca gets children involved in aarti sessions. Let them make the models and feel pride for their creator with gears and motors. Let them create beautiful models of light, agarbatti, and the little bell for a complete aarti session. BRAND Tesca Aarti set is a Tesca Robotix toy for children.

Specification

Categories : Shop, Stem Toys No. of Parts - 86

AARTI SET

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.



MARBLE RUN 1 Order Code - STEM-106

Build these super fun and amazing roller coaster-like structures for your marble buddies and have unlimited hours of playtime. Use your creativity and building skills to build unlimited designs and make the marbles run on them.

SKU : Inventory Asset1288 **Categories** : Non motorized 12%, Shop, Stem Toys



Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.



CRAWLER Order Code - STEM-107

A Tesca Crawler is designed for children aged 8+. With Tesca Crawlers, kids learn about the gears and walking mechanisms of two-legged and four-legged crawlers. It's time to put an end to your search for the best robot toys for kids! Build 8 cool motorised walking robots with this kit.

SKU: Finished Goods1293 Categories: Shop, Stem Toys

Specification No. of Parts - 70+ **Models -** 8



Note: Specifications are subject to change.

Build Bipedal and quadruped robots and watch these creepy crawlies move all around.



ELECTROMAGNETIC Order Code - STEM-108

Tesca Electromagnetix is a robotic toy by Tesca Robotix for children between the age 8 to 15. The Tesca Electromagnetix kit is composed of 43 helps child to build 30 awesome projects such as Aero boat, String compass, and Magnet Football etc.

SKU : Inventory Asset1375 Categories : Shop, Stem Toys

TROWIGHT

Specification No. of Parts - 43 Models - 30

30"

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JUNIOR Order Code - STEM-109

In Tesca Junior, go on an adventure with Kit, Laya & their robot Rob. In the Tesca junior, they will ride through the jungle, solve problems for the people in need, use suspensions to ride through the forest, make a bridge to cross a river filled with crocodiles,

SKU : Finished Goods1297 Categories : Non motorized 12%, REELUP (DO NOT DELETE), Robotix Sets, Shop

Specification No. of Parts - 90+ Models - 10

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GEAR BOX Order Code - STEM-110

Gears are the biggest invention after the wheel, we cannot live a normal day in our lives without gears. The fact ignites a spark in the brains of children and transforms them into leaders who can define the next phase of human evolution. With these robot toys for kids, children.

Categories: Shop, Stem Toys

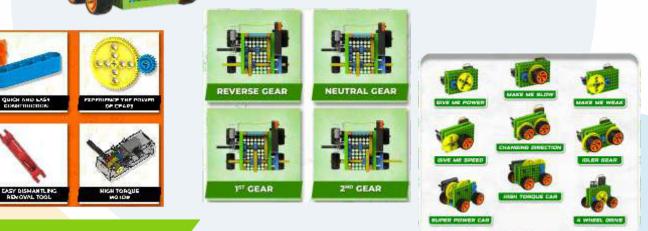
Specification

Models - 10

No. of Parts - 100+ Gear changing car

EXPERIMENTS

B + PIECES



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Note: Specifications are subject to change.



POWER SCREW Order Code - STEM-111

The Tesca robot kits for kids are a complete package. In the manual, you will find instructions to build 7 different motorized models like a Dumper truck, a Scissor lift, A Pressing machine, and more. But that is just the beginning, with these robot toys for kids, you can build.

SKU : Finished Goods1294 **Categories :** Shop, Stem Toys

Specification

No. of Parts - 186+ Models - 7 Power screw mechanism, High torque motor





RACK AND PINION Order Code - STEM-112

Rack and Pinion is one of the easiest ways to convert rotary motion (which is produced by motor) into linear motion. As you can build 6 incredible models from this set, you will see how this super mechanism is used in a forklift to lift up cargo, a garage.

Categories : Shop, Stem Toys





MARBLE RUN 2 Order Code - STEM-113

Introducing Marble Run Part 2 Now with Motorized Models and More Pieces for Endless Fun! Get ready to take your marble racing experience to the next level with our upgraded and exhilarating Marble Run Part 2. With motorized models and an expanded set of pieces, the excitement never stops. Build,

SKU:78765

Categories : New launch, Shop, Stem Toys













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Note: Specifications are subject to change.



JUNIOR ELECTRONICS Order Code - STEM-114

Dive into the world of "Junior Electronics" – where budding scientists in 1st, 2nd, and 3rd grade uncover the mysteries of electricity and electronics through hands-on projects! Say hello to Queaky, the buzzing sensation that sparks excitement as kids connect its terminals to create sounds. With Queaky and an array.





AMUSEMENT PARK Order Code - STEM-115

One of the best robot kits for kids, The Tesca Amusement park comes with more than 340 parts from which you can build 7 different Amusement Park robot toys for kids. These rides have entertained many in theme parks around the world, now with the best robot kits for kids,

Categories : Shop, Stem Toys

Specification No. of Parts - 340+ Models - 7 Gear mechanism, High torque motor

BUILD YOUR OWN THRILLING RIDES







SCAN THE OR CODE IN THE LEAFLET PROVIDED

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.



RC EXPLORER Order Code - STEM-116

Unleash endless fun and creativity with Tesca DIY Remote-Controlled Toy! Featuring a powerful 2.4GHz wireless transmitter and receiver, you'll experience seamless connection and control like never before. This versatile kit allows you to build over 6+ unique robot models, providing hours of entertainment and hands-on learning.

SKU:0

Categories : New launch, REELUP (DO NOT DELETE), Shop, Stem Toys





DISCOVERING MOTION Order Code - STEM-118

Tesca Discovering Motions, one of the finest robotics for kids, makes it easier for children to understand the basics of Physics. Introduce robotics training for kids and let them learn complex scientific concepts with the Tesca Discovering Motions. Children build complex machines and mechanisms and see the advantage of one.

SKU : Finished Goods1332 Categories : Robotix Sets, Shop

Specification No. of Parts - 176 Models - 13





DISCOVERING ELECTRONICS Order Code - STEM-119

Introducing "Discovering Electronics" – an engaging and educationaljourney into the world of electronics for kids aged 8 and above!Unleash creativity with PCBs featuring logic gates, a 555 timer IC,multiplexers, demultiplexers, and a 7-segment display. No complexbreadboard mastery required – simply connect wires to IC pins,following our easy manual for over...





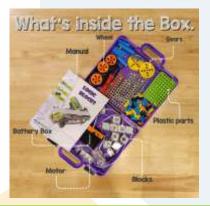
LOGIC BLOCK V2 Order Code - STEM-121

Introducing robotics for kids by Tesca for kids between the age of 8 to 14. In the Tesca Logic Blocks, the child will build robots using the Tesca construction parts, and add intelligence to them using the Logic blocks. Tesca Logic Blocks uses real engineering components like sensors, motors, gears,...

Categories : Robotix Sets, Shop

Specification No. of Parts - 152+ Models - 10





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Note: Specifications are subject to change.

Detailed manual with explanation & instruction





AVIATOR Order Code - STEM-124

Enjoy flying the aviator drone wirelessly using your mobile phone. Learn how the drone overcomes gravity by increasing the thrust and moves in 3 dimensions when its yaw and pitch are controlled. You can program your drone for a specific application. Learn to program it using the step-by-step manual included.

SKU: Finished Goods1333 **Categories** : Robotix Sets Tesca Technologies Pvt. Ltd. Note: Specifications are subject to change.



BOFFIN LITE V2 Order Code - STEM-126

Boffin Lite kit comes with a variety of sensors, motors, and a wonderful controller companion "Boffin" to start your journey in the amazing world of Tesca Boffin. This kit has sensors like IR sensor, Limit Switch, Sound sensor, Light sensor, and ultrasonic sensor. Control output devices like LED, Buzzer, Servo.

Categories : Robotix Sets, Shop





BOFFIN MASTER V2 Order Code - STEM-127

This kit has sensors like IR sensor, Limit Switch, Sound sensor, Light sensor, motion sensor, soil moisture sensor, temperature and humidity sensor, tilt sensor, encoders, and ultrasonic sensor. Control output devices like LED, Buzzer, Relay, Pump, Servo motor, DC motor that are a part of this kit.

Categories : Robotix Sets, Shop

Specification Models 100+ Pieces 650+ Age 14+





EDUCATOR SET VERSION 2.0 Order Code - STEM-128 TO STEM-130 Educator Set V2.0

Features

- Educator Set is a One-Stop Solution.
- This one set covers every project from Grade 1 to Grade 8.
- This includes construction set, junior electronics set, Logic blocks, Discovering Electricity, Boffin-controlled based kit, Discoveringelectronics - with different ICs and other accessories set.
- The above kit comes with Grade wise manuals with 30 chapters each.



8) ::

82 32

83 -..

04 2

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A6



BOX-1

- Logic Blocks * (2)
- E-Circuits * (2)
- Junior Electronics * (2)

Logic Blocks (2) + E-Circuits (2) + Junior electronics (2)

2) onics * (2)	S.NO	Pieces Name	Picture	Quantity	S.NO	Pieces Name	Picture	Quantity
	1	Power Block	1	1	8	20k ohm		1
	2	Motor Block	-	2	9	3.3k ohm		1
	3	Distance Block	1	2	10	Potentiometer	-	1
	4	IR Block	1	2	11	LDR		1
	5	Buzzer Block	٢	1	12	Motor		1
	6	Not Block	-	1	13	Red Alligator Clips	3	1
	7	LED Block	\diamond	1	14	Black Alligator Clips	2	1
	8	Wire	2	2	15	Jumper wire	·	2
	9	Switch Block		1	16	Battery Box	-	1
	1	Push Button	-	3	17	Connecting Tower	da	6
	2	Green LED		1	18	Rainbow disk	-	1
	3	Red LED	-	2				
	4	Buzzer		1	1	Queaky	(1 +8)	1
	5	Slide Switch	-	1	2	Wire	0-	1
	6	Capacitor		2	3	Thread	0	1
	7	10k ohm	-(200)-0	1	7-1	24		

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This Includes

Box-2

• Marble Stem * (1)

MARBLE STEM (1)

S.NO	Pieces Name	Picture	Quantity
1	MRS14 (Straight)	~	8
2	MRH5 (Slope)	1	6
3	MRB7 (Curve)	-	12

S.NO	Pieces Name	Picture	Quantity
1	P-3	-	25
2	P3C2	at	62
3	CT(1*2)	-	4
4	TW-2	-	44
5	MARBLES	8n	10
6	Buckets		10
7	Paper Strips		3
8	Rubber Band		1
9	Wheel Without Tyre		1

S.NO	Pieces Name	Picture	Quantity
1	Power IC		1
2	555 IC		1
3	IC 7408		1
4	IC 7432		1
5	IC 7404		1
6	IC 7400		1
7	IC 7402		1
8	IC 7486		1
9	IC 7426		- 10
10	Multiplexer		1
11	Demux		1
12	7 segment display		1
13	Wire		40
14	LED		2
15	Resistor (1k , 10k)		2

16	Capacitors	2
17	Potentiometer	1
18	P21*21	1

S.NO	Pieces Name	Picture	Quantity
1	IR Sensor	-	2
2	ESP -32 Board	108	1
3	Limit Switch	20	1
4	DC motor board	8	2
5	LED	- 2-	3
6	Programming Cable	4	1
7	Wires	2	6
8	Servo Motor		1

This Includes

Box-3

- Discovering Electronics * (2)
- Boffin Basic *

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Note: Specifications are subject to change.



This Includes

Box-4

- Construction Set X * (1)
 Construction Set Y * (1)

5.NO	Pieces Name	Picture	Quantity
1	TW1		25+5
2	CT2	*	40+10
3	CL2	0	15+5
4	CH2		20+12
5	CT3		30+0
6	CT(1X2)	-	2+2
7	P3	-	12+0
8	P5	-	18+0
9	P7	Sectore .	10+2
10	P11	-	12+4
11	P3 plus	es	4+2
12	PC3	-	4+4
13	P5 NUT + Pawer Screw	×	1
14	G20 PLUS	0	4+2
15	G20 IDLER	0	3+3

S.NO	Pieces Name	Picture	Quantity
16	G60	P	3+0
17	SH60	-	2+2
18	SH100	1	3+2
19	SH 170		2+2
20	Rack	-	3+7
21	Remover Tool	-	1+0
22	MudGuard Left	1	2+1
23	MudGuard Right	1	2+1
24	Steering Wheel	æ	1+0
25	Spoiler	land.	1+0
26	Suspension	-	2+2
27	PU5X 7	0	0+5
28	PU5X13	0	0+8

5.NO	Pieces Name	Picture	Quantity
1	TW1		25+5
2	CT2	*	40+10
3	CL2	0	15+5
4	CH2		20+12
5	СТЗ	-	30+0
6	CT(1X2)	-	2+2
7	P3	ant.	12+0
8	P5	-	18+0
9	P7	Sauce of	10+2
10	P11	-	12+4
11	P3 plus	es	4+2
12	PC3	20	4+4
13	P5 NUT + Power Screw	×	1
14	G20 PLUS	0	4+2
15	G20 IDLER	0	3+3



This Includes

Box-5

- Construction Set X * (1)
- Construction Set Y * (1)

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Note: Specifications are subject to change.





S.NO	Pieces Name	Picture	Quantity
1	Band	8	2
2	Foam		2
3	Fan	-	2
4	Iron nail	-	2
5	Bar Magnets		2
6	Donut Magnets	0	3
7	Sand paper		1

S.NO	Pieces Name	Picture	Quantity
1	3 Voits Battery Box	6	2
2	6 Volts Battery Box	-	2
3	DC Gearbox	HER.	4

This Includes

Box-6

- Accessories * (1)
- Batteries & Motors * (1)

8	Straw	1	2
9	Balloon	•	2
10	Chart Paper	414	1
11	Copper Wire	0	2
12	Black tape	0	1
13	Mechanix Screw Driver		1

This Includes

Box-7

- Base Plated * (1)
- Wheels * (1)

S.NO	Pieces Name	Picture	Quantity
1	P 21*21		5
2	P7*11		10
3	Wheels	6	10

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Note: Specifications are subject to change.

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Number of Chapters/Grade/Course

GRADE	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	TOTAL
Junior	26	26	-	-	-	-	-	-	52 Chapters
Logic Blocks	-	-	-	3	8	-	-	-	11Chapters
Discovering Motion	-	-	15	7	10	-	-	-	32 Chapters
Discovering Electricity	-	-	7	15	7	-	-	-	29 Chapters
Discovering Electronics	-	-	-	-	-	8	12	14	34 Chapters
Boffin Phase 2	-	-	-	-	-	12	10	8	30 Chapters
Coding & Al/ML	-	-	-	-	-	6	8	8	22 Chapters
Marble STEM	-	-	3	5	-	-	-	- /	08 Chapters
Arvr	-	-	-	-	2	2	-	-	04 Chapters
3D Designing	-	-	-	-	3	2	-	-	05 Chapters
Junior Electronics	2	2	5	-	-	-	-	-	09 Chapters
Junior Aviation	2	2	-	-	-	-	-	-	04 Chapters

Total Chapters/ Grade = 30

Educator set Family

Technology	G(1-2)	G(6-8)	G(1-5)	G(1-8)
Construction Set X	1	2	2	2
Construction Set Y	1	2	2	2
Junior Electronics	1	-	2	2
Logic Blocks V2	-	-	2	2
Marble Stem	-	-	1	2
Discovering Electronics	-	2	-	2
Boffin Basic V2	-	1	-	1
Accessories	1	1	1	1
Base Plate & Wheels	1	1	1	1

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	Grade 1					
SN	Course	Project names	Concepts	Skills Developed		
1	Junior Robotics	Wheeling Cart	JR - Simple Machines	Scientific Literacy Problem Solving		
2	Junior Robotics	Aerodynamics Car	JR - Air Friction	Scientific Literacy Problem Solving Critical Thinking		
3	Junior Robotics	Challenge: Ladder	Checkpoint -1	Problem solving Creativity Initiative		
4	Junior Robotics	Trebuchet	JR - Action & Reactions	Scientific Literacy Problem Solving Critical Thinking		
5	Junior Robotics	Sign Board	JR - Coding & Decoding	Problem solving Creativity Communication		
6	Junior Robotics	Single suspension Car	JR - Construction Skill	Scientific Literacy Critical Thinking		
7	Junior Robotics	Most stable tower	JR - Structure & Base	Creativity Initiative		
8	Junior Robotics	Lift	JR - Construction Skill	Scientific Literacy		
9	Junior Robotics	Money	JR - Counting	Numeracy		
10	Junior Robotics	Car jack	JR - Power	Problem solving		
11	Junior Robotics	Bear trap	JR - Elasticity	Social awareness		
12	Junior Robotics	Challenge: Pasta Ma	Checkpoint -2	Problem solving Creativity Initiative		
13	Junior Robotics	Merry Go round	JR - Rotation	Scientific Literacy Social awareness		
14	Junior Robotics	Spinning Top	JR - Energy Transfer	Scientific Literacy Critical Thinking		
15	Junior Robotics	Lock & Key	JR - Meshing of Gears	Scientific literacy Critical Thinking Creativity		
16	Junior Robotics	Trundle Wheel	JR - Motion Conversion	Social Awareness Critical Thinking		
17	Junior Robotics	Zipline Ride	JR - Gravity	Problem Solving		
18	Junior Robotics	Dancing Robot	JR - Types of movements	Scientific literacy Critical Thinking Creativity		
19	Junior Robotics	Digital Clock	JR - Display	Social Awareness Critical Thinking		
20	Junior Robotics	Earth, Moon & Sun	JR - Orbit	Scientific literacy Social awareness		
21	Junior Robotics	Find the path	JR - Sequence	Numeracy		
22	Junior Robotics	Challenge: Foldable Scale	Checkpoint -3	Creativity Initiative Numeracy		
23	Junior Robotics	Weight Measuring Device	JR - Balance	Social Awareness Critical Thinking		
24	Junior Robotics	Plowing Machine	JR - Motor	Scientific Literacy		
25	Junior Robotics	Challenge: Goal keeper &	Checkpoint -4	Problem solving Creativity Initiative		
26	Junior Robotics	Clock	JR - Time	Social awareness		
27	Junior Electronics	Make your First Circuit	JE - Introduction to electricity	Curiosity Critical thinking		
28	Junior Electronics	Conductors & Insulators	JE - Loops	Curiosity Scientific Literacy		
29	Junior Aviation	Paper plane	JA - Parts of plane	Scientific literacy Social awareness Curiosity		
30	Junior Aviation	Balloon Rockets	JA- Forces on plane	Scientific literacy Critical Thinking		

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	Grade 2					
SN	Course	Project names	Concepts	Skills Developed		
1	Junior Robotics	Wheeling Cart	JR - Simple Machines	Scientific literacy Problem Solving		
2	Junior Robotics	Car	JR - Structure & Base	Scientific literacy Problem Solving Critical Thinking		
3	Junior Robotics	Scarecrow	JR-Links	Problem solving Creativity Initiative		
4	Junior Robotics	Double Suspension Car	JR- Shock	Scientific literacy Problem Solving Critical Thinking		
5	Junior Robotics	Challenge: Bridge	Checkpoint-1	Problem solving Creativity Communication		
6	Junior Robotics	Single suspension Car	JR - Construction Skill	Scientific literacy Critical Thinking		
7	Junior Robotics	Maze	JR - Direction	Creativity Initiative		
8	Junior Robotics	Challenge- Tower	Checkpoint-2	Scientific literacy		
9	Junior Robotics	Scissor Arm	JR- Pivot	Numeracy		
10	Junior Robotics	Coding & Decoding	JR- Intro to Binary	Problem solving		
11	Junior Robotics	Bear trap	JR - Elasticity	Social awareness		
12	Junior Robotics	Challenge: Pasta Maker	Checkpoint -2	Problem solving Creativity		
13	Junior Robotics	Merry Go round	JR - Rotation	Scientific literacy Social awareness		
14	Junior Robotics	Spinning Top	JR - Energy Transfer	Scientific literacy Critical Thinking		
15	Junior Robotics	Lock & Key	JR - Meshing of Gears	Scientific literacy Critical Thinking Creativity		
16	Junior Robotics	Trundle Wheel	JR - Motion Conversion	Social Awareness Critical Thinking		
17	Junior Robotics	Zipline Ride	JR - Gravity	Problem Solving		
18	Junior Robotics	Dancing Robot	JR - Types of movements	Scientific literacy Critical Thinking Creativity		
19	Junior Robotics	Digital Clock	JR - Display	Social Awareness Critical Thinking		
20	Junior Robotics	Earth, Moon & Sun	JR - Orbit	Scientific literacy Social awareness		
21	Junior Robotics	Find the path	JR - Sequence	Numeracy		
22	Junior Robotics	Challenge: Foldable Scale	Checkpoint -3	Creativity Initiative Numeracy		
23	Junior Robotics	Weight Measuring Device	JR - Balance	ocial Awareness Critical Thinking		
24	Junior Robotics	Plowing Machine	JR - Motor	Scientific Literacy		
25	Junior Robotics	Challenge: Goal keeper &	Checkpoint -4	Problem solving Creativity Initiative		
26	Junior Robotics	Clock	JR - Time	Social awareness		
27		Make your First Circuit	JE - Introduction to electricity	Curiosity Critical thinking		
28		Conductors & Insulators	JE - Loops	Curiosity Scientific Literacy		
	Junior Aviation	Paper plane	JA -Parts of plane	Scientific literacy Social awareness Curiosity		
30	Junior Aviation	Balloon Rockets	JA-Forces on plane	Scientific literacy Critical Thinking		

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SN	Course	Project names	Concepts	Skills Developed
1	Discovering Motion	Counter Balance Model	DM- Lever	Scientific literacy Problem Solving Critical Thinking Social Awareness
2	Discovering Motion	Ramp Working Model	DM- Inclined plane	Scientific literacy Problem Solving Critical Thinking SocialAwareness
3	Discovering Motion	Pulley system	DM- Pulley	Scientific literacy Problem Solving Critical Thinking SocialAwareness
4	Discovering Motion	Electronic Seat	DM- Screw	Scientific literacy Problem Solving Critical Thinking SocialAwareness
5	Discovering Motion	Basic Car	DM- Wheels & Axles	Scientific literacy Problem Solving Critical Thinking SocialAwareness
6	Discovering Motion	Trebuchet	DM- Energyconversion	Scientific literacy Problem Solving Critical Thinking SocialAwareness
7	Discovering Motion	Challenge: Finding The Range	Checkpoint-1	Scientific literacy Problem Solving Critical Thinking SocialAwareness
8	Discovering Motion	Launcher	DM- Elasticproperties	Problem solving Creativity Initiative
9	Discovering Motion	Locomotive Coach	DM- Joints & Pull	Scientific literacy Critical Thinking
10	Discovering Motion	Giant Wheel	DM- Rotation & Revolution	Application skills Critical Skills
11	iscovering Motion	Mono Rail	DM- Rack Gear	Scientific literacy Critical Thinking
12	Discovering Motion	Merry Go Round	DM - Application of motion	Problem solving Creativity Initiative
13	Discovering Motion	Crazy bot withVibration	DM- Randomness	Application skills Critical Skills
14	Discovering Motion	Balance Scale	DM- Counter weight	Construction Skills Problem Solving
15	Discovering Motion	Challenge: Grabber	Checkpoint-2	Problem solving Creativity Initiative
16	Discovering Electricity	Basic Circuits	DEC-Atom &Electrons	Curiosity Critical Thinking problem solving
17	Discovering Electricity	Conductors & Insulators	EC- Properties of Material	Social Awareness skills Curiosity
18	Discovering Electricity	Water Overflow Alarm	EC-Closed & Open loop	Scientific Skills Circuit Skills
19	Discovering Electricity	Polarity	EC- Uni &Bidirectional	Scientific Skills Circuit Skills
21	Discovering Electricity	Challenge: Party Doorbell	Checkpoint -3	Problem solving Creativity Initiative
22	Discovering Electricity	Piezoelectricity	EC- Energy Transformation	Scientific Skills Circuit Skills
23	Discovering Electricity	Challenge: House Supply system	Checkpoint -4	Scientific Skills Circuit Skills Social Awareness skills
24	Marble STEM	First marble track	MB- Structure &Planning	Construction Skills Problem Solving Critical Thinking Social Awareness
25	Marble STEM	Fastest & Slowest Tracks	MB- Construction technique	Construction Skills Problem Solving Critical Thinking
26	Marble STEM	Path Finder	MB- Possibilities	Construction Skills Problem Solving Critical Thinking Numeracy
27	Junior Electronics	Series & Parallel Circuits	JE- Human Circuits	Curiosity Circuit skills
28	Junior Electronics	Buzz Wire loop Game	JE- Continuity Testing	Curiosity Scientific Literacy Construction skills
29	Junior Electronics	Tone Generator Box	JE- Resistances Curiosity	Curiosity
31	Junior Electronics	The Biggest conductor ever- Eart	JE- Conducting Materials	Curiosity Scientific Literacy Construction skills
32	Junior Electronics	Challenge: Make your ownInstrume	Checkpoint -5	Problem solving Creativity Initiative

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			Grade 4	
SN	Course	Project names	Concepts	Skills Developed
1	Discovering Motion	Balloon Powered Car	DM- Thrust	Scientific literacy Problem Solving Critical Thinking
2	Discovering Motion	Swing	DM- Periodic Motion	Scientific literacy Problem Solving Critical Thinking
3	Discovering Motion	Power Press Machine	DM- Crank & Slider	Scientific literacy Problem Solving Critical Thinking
4	Discovering Motion	4-wheel Drive car	DM- Introduction to Gears	Scientific literacy Problem Solving Critical Thinking
5	Discovering Motion	Make me fast , Make me slow	DM- Change of gear	Scientific literacy Problem Solving Critical Thinking
6	Discovering Motion	Spinning Top	DM- Applications of Gears	Scientific literacy Problem Solving Critical Thinking Creativity
7	Discovering Motion	Challenge: Fastest Car	DM- Checkpoint-1	Application skills Critical Skills
8	Logic Blocks	Follower Car	LB- Reflection	Scientific Literacy Application Skills ICT Skills
9	Logic Blocks	Automatic Dispenser	LB- Sensors & Actuators	Scientific Literacy Application Skills ICT Skills
10	Logic Blocks	Challenge: Shy Robot	Checkpoint -2	Problem solving Creativity Initiative
11	Discovering Electricity	Stroboscopic effect	DEC- Frequency	Circuits Skills Social Awareness skills
12	Discovering Electricity	Voltage & Current	DEC - Potential Difference	Circuits Skills Social Awareness skills
13	Discovering Electricity	Series & Parallel Circuit	DEC-Current &Voltage	Circuits Skills Applications Skills Social Awareness skills
14	Discovering Electricity	Secret Morse Codes	DEC- Binary Codes	Scientific Literacy Application Skills
15	Discovering Electricity	OHM's law	DEC- Resistance	Circuits Skills Applications Skills Scientific Literacy
16	Discovering Electricity	Short Not circuit	DEC- Short circuit	Circuits Skills Applications Skills Scientific Literacy
17	Discovering Electricity	AND & OR gates	DEC- Gates	Scientific Literacy Application Skills ICT Skills
18	Discovering Electricity	Universal Gates	DEC- NAND & NOR	Scientific Literacy Application Skills
19	Discovering Electricity	Challenge: Tone generator card	Checkpoint -1	Problem solving Creativity Initiative
20	Discovering Electricity	Resistance in Series & Parallel	DEC- Total Resistance	Circuits Skills Applications Skills Scientific Literacy
21	0 ,	Magnetic Compass	DEC- Magnetism & Polarity	Applications Skills Scientific Literacy
23	Discovering Electricity	Dynamo	DEC- Motor & Itsfeatures	Circuits Skills Applications Skills Scientific Literacy
24	Discovering Electricity	Super Vibrator	DEC- Lever Circuits Skills	Construction Skills Scientific Literacy
25	Discovering Electricity	Big Bulley the Small	DEC- Current Bypass	Circuits Skills Applications Skills Scientific Literacy
26	Electronics Circuits	Fuse	DEC- Electrical Safety	Circuits Skills Applications Skills Scientific LiteracySocial Awareness
27	Marble STEM	First marble track	MB- Structure & Planning	Construction Skills Problem Solving Critical Thinking Social Awareness
28	Marble STEM	Propulsion Mechanism	MB- Newton's Cradle	Construction Skills Problem Solving
30	Marble STEM	Alternating Switch	MB- Mechanical Switch	Construction Skills Problem Solving Critical Thinking
31	Marble STEM	Lifting Mechanism -1	MB- Impact	Construction Skills Problem Solving Critical Thinking Scientific Literacy
32	Marble STEM	Concentric circle track	MB- Infinite Loop	Construction Skills Problem Solving Critical Thinking

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	Grade 5						
SI	N Course	Project names	Concepts	Skills Developed			
1	Discovering Motion	Smart Waving Robot	DM- Link & Joint Mechanism	Scientific literacy Problem Solving Critical Thinking ConstructionSkills Creativity			
2	Discovering Motion	Power press machine	DM- Cam & Follower	Scientific literacy Problem Solving Critical Thinking ConstructionSkills Creativity			
3	Discovering Motion	Scissor Lift	DM- Power & Velocity	Scientific literacy Problem Solving Critical Thinking ConstructionSkills Creativity			
4	Discovering Motion	Rack & Pinion Lift	DM- Mechanical Advantage	Scientific literacy Problem Solving Critical Thinking ConstructionSkillsCreativity			
5 6	Discovering Motion	Kicker Robot	LB – Digital Circuits	Problem solving Creativity Initiative			
6	Discovering Motion	Challenge: Guard Robot	Checkpoint-1	Scientific literacy Problem Solving Critical Thinking ConstructionSkills Creativity			
7	Discovering Motion	Make me Fast/ Make me Slow	DM- Gears	Scientific literacy Problem Solving Critical Thinking ConstructionSkills Creativity			
8	Discovering Motion	Speed Multiplier		Scientific literacy Problem Solving Application Skills			
9	Discovering Motion	Speed Reduction		Scientific literacy Problem Solving Application Skills			
1(Gear Changing Car		Scientific literacy Problem Solving Application Skills Social Awareness Skills			
11	5 ,	AC vs DC		Circuits Skills Scientific Literacy Social Awareness skills			
12		ON & Fadeeee		Circuits Skills Scientific Literacy Social Awareness skills			
13				Awareness skills			
15		Sound Effects		Circuits Skills Scientific Literacy			
16	,	LDR operated		Circuits Skills Scientific Literacy Application skills			
17		Voltage Divider		Circuits Skills Scientific Literacy Application skills			
18		Potentiometer	DEC- Variable Voltage	Circuits Skills Scientific Literacy Application skills			
19		Monorail		ICT Skills Scientific Literacy Application skills			
) Logic Blocks	Sliding Bed	LB - Rack Gear	ICT Skills Scientific Literacy Application skills			
21	Ŭ	Refrigerator		ICT Skills Scientific Literacy Application skills			
22	J	SmartBox		Problem solving Creativity Initiative			
23	B Logic Blocks	Autonomous car		ICT Skills Scientific Literacy Application skills			
24	Logic Blocks	Musical Robot	LB - Truth Table	ICT Skills Scientific Literacy Application skills			
25	5 Logic Blocks	Challenge: Obstacle Avoider		Problem solving Creativity Initiative			
26		Line follower Robot	LB - Infrared decision making	Problem solving Creativity Initiative			
27	7 Logic Blocks	Wheel SortingMachine	LB: Design thinking	Scientific Literacy Designing Skills Creativity Problem Solving			
28	3 Tinkercad -3D	Harry Potter's Owl	TC – Hollow & Grouping	Scientific Literacy Designing Skills Creativity Problem Solving			
29	7 Tinkercad -3D	Challenge: Designyour Avatar	Checkpoint-3	Scientific Literacy Designing Skills Creativity Problem Solving			
30	Virtual Reality	Intro to ARVR	VR - Orbital Camera	Scientific Literacy Designing Skills Creativity Problem Solving			
31	I Virtual Reality	Hogwartz Calling	VR - Motion & Alignment	Scientific Literacy Designing Skills Creativity Problem Solving			

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	Grade 6						
SN	Course	Project names	Concepts	Skills Developed			
1	Discovering Electronics	AND Gate	DE-Truth Table	ICT Skills Circuit Skills Scientific Literacy			
2	Discovering Electronics	OR Gate	DE-Truth Table	ICT Skills Circuit Skills Scientific Literacy Application skills			
3	Discovering Electronics	NOT Gate	DE-Truth Table	ICT Skills Circuit Skills Scientific Literacy Application skills			
4	Discovering Electronics	NAND Gate	DE-Truth Table	ICT Skills Circuit Skills Scientific Literacy Application skills			
5	Discovering Electronics	NOR Gate	DE-Truth Table	ICT Skills Circuit Skills Scientific Literacy Application skills			
6	Discovering Electronics	XOR Gate	DE-Truth Table	ICT Skills Circuit Skills Scientific Literacy Application skills			
7	Discovering Electronics	XNOR Gate	DE-Truth Table	ICT Skills Circuit Skills Scientific Literacy Application skills			
8	Discovering Electronics	SOP Circuit	DE-Deduction of logical function	ICT Skills Circuit Skills Scientific Literacy Application skills			
9	ESP-32	Introduction to Boffin v2	Boffin - Controllers	ICT Skills Scientific Literacy Application skills Construction SkillsCoding Skills			
10	ESP-32	Blinky bot	Boffin - Events & Time sleep	ICT Skills Scientific Literacy Application skills Construction SkillsCoding Skills			
11	ESP-32	What if you press a button	Boffin - Inputcontrolled output	ICT Skills Scientific Literacy Application skills Construction SkillsCoding Skills			
12	ESP-32	ON & OFF switch using IR	Boffin - IR Sensor	ICT Skills Scientific Literacy Application skills Construction SkillsCoding Skills			
13	ESP-32	Giant wheel with speedcontrol	Boffin - PWM & dutycycle	ICT Skills Scientific Literacy Application skills Construction			
14				Skills Coding Skills			
15	ESP-32	Giant wheel withcounter	Boffin - Variables	ICT Skills Scientific Literacy Application skills Construction Skills Coding Skills			
16	ESP-32	Roll a dice	Boffin - Serial Monitor	ICT Skills Scientific Literacy Application skills Construction Skills Coding Skills			
17	ESP-32	Game of Housey	Boffin - Lists	ICT Skills Scientific Literacy Application skills Construction Skills Coding Skills			
18	ESP-32	Line follower Bot	Boffin - Calibration & Reflection	ICT Skills Scientific Literacy Application skills Construction Skills Coding Skills			
19	ESP-32	Advance Line follower bot	Boffin - Two IR sensor	ICT Skills Scientific Literacy Application skills Construction Skills Coding Skills			
20	ESP-32	Swing Controller	Boffin – Conveyor Belt	ICT Skills Scientific Literacy Application skills Construction Skills Coding Skills			
21	ESP-32	Automatic Hand Sanitizer	Boffin – Conveyor Belt	ICT Skills Scientific Literacy Application skills Construction Skills Coding Skills			
22	Artificial Intelligence	Home Automation	AI-Text Recognition Social Aware	ness Skills ICT Skills Scientific Literacy Application skills CodingSkills Adaptability			
23	Artificial Intelligence	Covid battle	AI-Sound Recognition	ICT Skills Scientific Literacy Application skills Coding Skills			
24	Artificial Intelligence	Sign Language	AI-Gesture Recognition	ICT Skills Scientific Literacy Application skills Coding Skills AdaptabilityAwareness			
25	Artificial Intelligence	Phone security app	AI-Face Recognition	ICT Skills Scientific Literacy Application skills Coding Skills Adaptability Social Awareness Behavioral Awareness			
26	Artificial Intelligence	Challenge: Make a Snapchat filter for your face.	AI- Face Recognition	ICT Skills Scientific Literacy Application skills Coding Skills Adaptability Social Awareness Behavioral Awareness			
27	Tinker cad -3D	Design a Fruit	TC-AngularDisplacement	Scientific Literacy Designing Skills Creativity Problem Solving			
28	Tinkercad -3D	Human Heart	TC- Vertical Alignment	Scientific Literacy Designing Skills Creativity Problem Solving			
29	Virtual Reality	Trip to the moon	VR - Camera as a sprite	Scientific Literacy Designing Skills Creativity Problem Solving			
30	Virtual Reality	Human Displacement	VR- Lateral Displacement	Scientific Literacy Designing Skills Creativity Problem Solving			

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			Grade 7	
	Course	Project names		Skills Developed
		Introduction to Gates	DE-Logic operations	ICT Skills Circuit Skills Scientific Literacy Problem Solving Application skills
1	Discovering Electronics	Multiplexer	DE-One to Many	ICT Skills Circuit Skills Scientific Literacy
1	Discovering Electronics	Demultiplexer	DE-Many to one	Problem Solving Application skills ICT Skills Circuit Skills Scientific Literacy
-	Discovering Electronics	SOP Circuit	DE-Deduction of logicfunctions	Problem Solving Application skills ICT Skills Circuit Skills Scientific Literacy
-	Discovering Electronics	POS Circuit	DE-Deduction of logicfunctions	Problem Solving Application skills ICT Skills Circuit Skills Scientific Literacy
	-	SOD using universal gates	-	Problem Solving Application skills ICT Skills Circuit Skills Scientific Literacy
	Ũ			Problem Solving Application skills
	Discovering Electronics	POS using universal gates	DE-Application	ICT Skills Circuit Skills Scientific Literacy Problem Solving Application skills
1	Discovering Electronics	K- Map reduction - SOP	DE-Graphical Method	ICT Skills Circuit Skills Scientific Literacy Problem Solving Application skills
	Discovering Electronics	K- Map reduction - POS	DE-Expression deduction	ICT Skills Circuit Skills Scientific Literacy Problem Solving
	Discovering Electronics	Combinational circuits using M	DE-Select lines forvarious Inputs	Application skills ICT Skills Circuit Skills Scientific Literacy
2	Discovering Electronics	Combinational circuits using	DE-MUX DE-Select lines forvariou	Problem Solving Application skills ICT Skills Circuit Skills Scientific Literacy Problem Solving Application skills
3 1	Discovering Electronics	Astable Multivibrator	DE- Trigger input	ICT Skills Circuit Skills Scientific Literacy
1	ESP-32	Swing controllerConveyorbelt	Boffin- Counter	Problem Solving Application skills ICT Skills Scientific Literacy Application skills ConstructionSkills Coding Skills
5 1	ESP-32	Automatic Hand sanitizer	Boffin- Limit & IR	ICT Skills Scientific Literacy Application skills Construction Skills Coding Skills
6 I	ESP-32	Turtle Programming	Boffin- Python.(draw)	ICT Skills Scientific Literacy Application skill Coding Skills
7	ESP-32	Snowflakes	Boffin- Variables	ICT Skills Scientific Literacy Application skill Coding Skills
3 1	ESP-32	Investment & Returns	Boffin- Input &Datatypes	ICT Skills Scientific Literacy Application skill Coding Skills
9 1	ESP-32	Guess the word	Boffin- List	ICT Skills Scientific Literacy Application skill Coding Skills
	ESP-32	Locate me	Boffin-	ICT Skills Scientific Literacy Application skill Coding Skills Numeric
1	ESP-32	Challenge: Make acalculator	Checkpoint-2	ICT Skills Scientific Literacy Application skill Coding Skills Leadership Skills
2	Data Science	Introduction to Statistics	DS- Data Collection	ICT Skills Construction Skills Social Awareness Decision making Skills
3 1	Data Science	Descriptive & Inferential	DS- Data Representation	ICT Skills Construction Skills Social Awareness Decision making Skills
1 1	Data Science	Central Tendency	DS- Inferences	ICT Skills Construction Skills Social
5 [Data Science	Measure of Dispersion	DS- Outliers	Awareness Decision making Skills ICT Skills Construction Skills Social Awareness Decision making Skills
5 1	Data Science	Covariance & Correlation	DS- Data Dependencies	ICT Skills Construction Skills Social
_				Awareness
	Data Science	Inter Quartile Range	DS- Maximum density of data	Decision making Skills ICT Skills Construction Skills Social
9 1	Data Science	Probability Theory	DS- Chances &occurrences	Awareness Decision making Skills ICT Skills Construction Skills Social
	Data Science	Challenge:	DS- Chances &occurrences	Awareness Decision making Skills ICT Skills Construction Skills Social Awareness Decision making Skills
		Discovering Electronics Discovering Electronics Discovering Electronics ESP-32 Data Science Data Science Data Science Data Science Data Science Data Science Data Science	Discovering ElectronicsIntroduction to GatesDiscovering ElectronicsMultiplexerDiscovering ElectronicsDemultiplexerDiscovering ElectronicsSOP CircuitDiscovering ElectronicsPOS CircuitDiscovering ElectronicsSOP using universal gatesDiscovering ElectronicsPOS using universal gatesDiscovering ElectronicsK- Map reduction - SOPDiscovering ElectronicsK- Map reduction - POSDiscovering ElectronicsCombinational circuits using MDiscovering ElectronicsCombinational circuits using MDiscovering ElectronicsCombinational circuits using MDiscovering ElectronicsSwing controllerConveyorbeltESP-32Swing controllerConveyorbeltESP-32SnowflakesESP-32Investment & ReturnsESP-32Challenge: Make acalculatorESP-32Challenge: Make acalculatorESP-32Data ScienceData ScienceCentral TendencyData ScienceInter Quartile RangeData ScienceInter Quartile RangeData ScienceInter Quartile RangeData ScienceProbability Theory	Course Project names Concepts Discovering Electronics Introduction to Gates DE-Logic operations Discovering Electronics Multiplexer DE-One to Many Discovering Electronics Demultiplexer DE-Many to one Discovering Electronics SOP Circuit DE-Deduction of logicfunctions Discovering Electronics SOP using universal gates DE-Application Discovering Electronics SOP using universal gates DE-Application Discovering Electronics K- Map reduction - SOP DE-Graphical Method Discovering Electronics K- Map reduction - POS DE-Select lines forvarious Inputs Discovering Electronics Combinational circuits using DE-MUX DE-Select lines forvarious Discovering Electronics Astable Multivibrator DE-Trigger input ESP-32 Swing controllerConveyorbelt Boffin- Counter ESP-32 Automatic Hand sanitizer Boffin- Counter ESP-32 Investment & Returns Boffin- List ESP-32 Investment & Returns Boffin- List ESP-32 Challenge: Make acalculator Checkpoint-2

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	Grade 8						
SN	Course	Project names	Concepts	Skills Developed			
1	Discovering Electronics	Introduction toGates & MUX	DE- Checkpoint-1	ICT Skills Circuit Skills			
				Scientific Literacy Problem			
				Solving Application skills			
2	Discovering Electronics	Astable multivibrator	DE-No stablestate	Flop ICT Skills Circuit Skills			
				Scientific Literacy Problem			
				Solving Application skills			
3	Discovering Electronics	Monostable multivibrator	DE-One stablestate	Flip Flop ICT Skills Circuit			
Ū			Flip	Skills Scientific Literacy			
				Problem Solving Application			
				skills			
4	Discovering Electronics	Bistable multivibrator		Flop ICT Skills Circuit Skills			
1.				Scientific Literacy Problem			
				Solving Application skills			
5	Discovering Eletronics	555 Timer -1	DE- PulseGenerator	ICT Skills Circuit Skills			
Ŭ				Scientific Literacy Problem			
				Solving Application skills			
6	Discovering Electronics	556 Timer -2	DE- Two Timer	ICT Skills Circuit Skills			
ľ			inoperation	Scientific Literacy Problem			
			•	Solving Application skills			
7	Discovering Electronics	557 Timer -3	DE- Application of timer	ICT Skills Circuit Skills			
ľ		Sof filler -S		Scientific Literacy Problem			
				Solving Application skills			
8	Discovering Electronics	Challenge-1	Checkpoint -2	ICT Skills Circuit Skills			
P	Discovering Electronies			Scientific Literacy Problem			
				Solving Application skills			
9	Discovering Electronics	7 -Segment LED	DF- Digital Visualization	ICT Skills Circuit Skills			
5	Discovering Electronics			Scientific Literacy Problem			
				Solving			
10				Application skills			
11	Discovering Electronics	Decoders	DE- Truth Table	ICT Skills Circuit Skills			
				Scientific Literacy Problem			
				Solving Application skills			
12	Discovering Electronics	Encoders	DE- Truth Table	ICT Skills Circuit Skills			
	g			Scientific Literacy Problem			
				Solving Application skills			
13	Discovering Electronics	Half Adder (1-bit)	DE- Truth Table	ICT Skills Circuit Skills			
	5			Scientific Literacy Problem			
				Solving Application skills			
14	Discovering Electronics	Full Adder (2-bit)	DE- Truth Table	ICT Skills Circuit Skills			
				Scientific Literacy Problem			
				Solving Application skills			
15	Discovering Electronics	Challenge-2	Checkpoint-3	ICT Skills Scientific Literacy			
	3	3		Application skill Coding			
				Skills Leadership Skills			
16	ESP-32	Automatic Metro		ICT Skills Circuit Skills			
			Output devices	Scientific Literacy Problem			
				Solving Application skills			
17	ESP-32	Challenge: Mouse Trap	Checkpoint-4	ICT Skills Scientific Literacy			
				Application skill Coding			
				Skills Leadership Skills"			
18	ESP-32	Blinking LED	Boffin- Intro to Text	ICT Skills Scientific Literacy			
				Application skill Coding			
				Skills Leadership Skills			

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	Grade 8						
		Course	Project names	Concepts	Skills Developed		
		ESP-32	Make a Torch	Boffin- Interfacing Input	CT Skills Scientific Literacy Application skill Coding Skills Leadership Skills		
2	0	ESP-32	Motor controls	Boffin- Interfacing output using python	CT Skills Scientific Literacy Application skill Coding Skills Leadership Skills		
2	1	ESP-32	WIFI with	ESP-32 Boffin- Intro to IOT	ICT Skills Scientific Literacy Application skill Coding Skills Leadership SkillsSocial Awareness Skills		
2		ESP-32	Create a web page	Boffin- Applications of IOT	ICT Skills Scientific Literacy Application skill Coding Skills Leadership SkillsSocial Awareness Skills		
		ESP-32	WIFI controlled LED	Checkpoint-4	ICT Skills Scientific Literacy Application skill Coding Skills Leadership SkillsSocial Awareness Skills		
2	4	Hardware based Al	Face Controlled Toll Booth	Hardware based AI	ICT Skills Construction Skills Scientific Literacy Application skills Coding Skills Adaptability Behavioral Awareness		
2	5	Hardware based Al	Al operated Food dispensing Stations	Hardware based AI	ICT Skills Construction Skills Scientific Literacy Application skills Coding Skills Adaptability Behavioral Awareness		
		Hardware based Al	Rock paper Scissor	Hardware based AI	ICT Skills Construction Skills Scientific Literacy Application skills Coding Skills Adaptability		
2					Behavioral Awareness		
2	8	Hardware based Al	Challenge -1	Checkpoint-5	ICT Skills Construction Skills Scientific Literacy Application skills Coding Skills Adaptability Behavioral Awareness		
2	9	Hardware based Al	Voice operated Automatic Car	Hardware based AI	ICT Skills Construction Skills Scientific Literacy Application skills Coding Skills Adaptability Behavioral Awareness		
3	0	Hardware based Al	Gesture controlled Robotic Arm	Hardware based Al	ICT Skills Construction Skills Scientific Literacy Application skills		
	1				Coding Skills Adaptability Behavioral Awareness		
		Hardware based Al	Challenge :4	Checkpoint-5	Scientific Literacy Application skill Coding Skills Social Awareness Skills		
3	3	Hardware based Al	Traffic Rules following Bot	Hardware based AI	Scientific Literacy Application skill Coding Skills Social Awareness Skills		

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MECHANIX-BASIC



- The starter unit of colorful **MECHANIX** series.
- Modern models, colorful parts and targeted to a different audience than regular **MECHANIX** range.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via colorful DIY models.

ORDER CODE - STEM-701





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MECHANIX CASIC

MECHANIX-JUNIOR



- The 2nd level of colorful MECHANIX series.
- Modern models, colorful parts and targeted to a different audience than regular **MECHANIX** range.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via colorful **DIY** models.
- The biggest model is **130 X 115** mm.



ORDER CODE - STEM-702

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Note: Specifications are subject to change.



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MECHANIX-SENIOR

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- The 3rd level of colorful MECHANIX series.
- Modern models, colorful parts and targeted to a different audience than regular **MECHANIX** range.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etcviacolorful **DIY** models.
- The biggest model is **160 X 90** mm.

ORDER CODE - STEM-703

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.





MECHANIX-ADVANCE



- The 4th level of colorful MECHANIX series.
- Modern models, colorful parts and targeted to a different audience than regular **MECHANIX** range.
- Promotes **STEAM** education.

STEAM EDUCATION SCIENCE, TECHNOLOGY, ENGINEERING, ART, MATH

- Introduce problem solving skills, creativity etcvia colorful **DIY** models.
- The biggest model is **160 X 90** mm.

ORDER CODE - STEM-704







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MECHANIX-CARNIVAL



- Carnival in PINK.
- Carnival rides, fun to play with after construction.
- Special Pink series in the **MECHANIX** range.
- **STEAM** education is a bonus.

ORDER CODE - STEM-705







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MECHANIX - CARLA



- **MECHANIX CARLA** is a one of a kind set designed to create a masterpiece that not only kids but event adult can build.
- Revelin **PINK**.
- A beautiful showpiece to showcase at home or workplace, once it is made.

ORDER CODE - STEM-706



CARLA



STEN



MECHANIX -MONSTER BUGGIES



- Special Metal Chassis for your off-roading car.
- Excitement of Chunky wheels.
- Sturdy **Buggies** construction.
- **STEAM** skills, problem solving skills, creativity etc is just an added bonus to the excitement of building an off-roader.

ORDER CODE - STEM-707





MECHANIX - MOTOR BIKES

HECHANIX



- MECHANIX theme series. Dhoom machha le dhoom.
- The plated wheels, handle bars, exhaust tip and other acessories add a lot of character to the bike models and your imagination.
- Make your bike look incredible and Go Vrrooom.

ORDER CODE - STEM-708



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Note: Specifications are subject to change.



MECHANIX - RACING CARS



- MECHANIX theme series.
- Still young to race an F1 car? Let's design it then.
- Customize it as per your creativity.
- Features flexible metal parts to build as real a model as possible.
- STEAM education and creativity skills are bonus to this experience

ORDER CODE - STEM-709





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MECHANIX SAFARI



MECHANIX

- MECHANIX theme series.
- The big rubber tyres, steering wheel & seats, add a lot of character to the models.
- Add to that the unique beige colour, & this set will truly make you feel like a safari ranger.

ORDER CODE - STEM-710



Note: Specifications are subject to change.







- The starter unit of the original **MECHANIX** series.
- Core Mechanix range. Loved by **MECHANIX** fans.
- Indulge in the best **DIY** toy in **INDIA**.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc.
 via best DIY models.
- The largest model is **190 x 50** mm

ORDER CODE - STEM-711







MECHANIX - 1

**			GST %	₹
7+ YEARS	128 PIECES	10 MODELS		

- The **2nd** level of the original **MECHANIX** series.
- Core **Mechanix** range. Loved by **MECHANIX** fans.
- Indulge in the best **DIY** toy in **INDIA**.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via best **DIY** models
- The largest model is **190 x 50** mm

ORDER CODE - STEM-712



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MECHANIX - 2



- The **3rd** level of the original **MECHANIX** series.
- Core **Mechanix** range.
- Loved by **MECHANIX** fans.
- Indulge in the best **DIY** toy in **INDIA**.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via best **DIY** models.
- The largest model is 230 x 150 mm.



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MECHANIX - 3



- The 4th Level of t he original MECHANIX series.
- Core **MECHANIX** range. Loved by **MECHANIX** fans.
- It is the latest edition to the original range of multi mode sets, Make anything form a scissor lift, apache helicopter, an F-22 Raptor to a formula 1 car.
- The largest model is **205 x 85** mm.



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Note: Specifications are subject to change.

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MECHANIX - 4



- The **5th** level of the original **MECHANIX** series.
- Core **MECHANIX** range. Loved by **MECHANIX** fans.
- Indulge in the best **DIY** toy in **INDIA**. Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via the best **DIY** models.
- The largest model is **240 x 230** mm.

ORDER CODE - STEM-715



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Note: Specifications are subject to change.





® MECHANIX - 5



- The **6th** level of the original **MECHANIX** series.
- Core **MECHANIX** range. Loved by **MECHANIX** fans.
- Indulge in the best **DIY** toy in **INDIA**.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via best **DIY** models.
- The largest model is **250 x 185 mm**.

ORDER CODE - STEM-716



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Note: Specifications are subject to change.



MECHANIX - FUNFAIR



- Bring a Funfair to your home.
- Motorized carnival rides, fun to play with after construction.
- Revel in the special Yellow color, a first in the MECHANIX range.
- **STEAM** education is a bonus.
- The biggest model is 200 X 116 mm

ORDER CODE - STEM-717











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Note: Specifications are subject to change.



MECHANIX - AARTI



- The child's contribution to the festivities at home.
- A real model with metal parts and a real bell.
- Can be placed during Aarti's for real Aarti impact.
- **STEAM** education is a bonus.
- Perfect gift during Festivals.

ORDER CODE - STEM-718







MADING

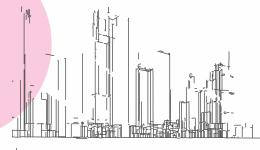
MECHANIX

AARTI

STREET, STREET

Tesca Technologies Pvt. Ltd.







ROBOTIX

MECHANIX - ROBOTIX - 0



- The starter unit of the motorized **MECHANIX** series.
- High powered motor. Bring your models to life.
- Indulge in the best **DIY** toy in **INDIA**.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etcvia motorized **DIY** models.

ORDER CODE - STEM-719

HON

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MECHANIX - ROBOTIX - 1



- The **2nd** level of the motorized **MECHANIX** series.
- **High powered motor.** Bring your models to life.
- Indulge in the best **DIY** toy in **INDIA**.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via motorized **DIY** models.

ORDER CODE - STEM-720



MECHANIX

MARCHIN



Tesca Technologies Pvt. Ltd.



MECHANIX - ROBOTIX - 2



- The 3rd level of the motorized MECHANIX series.
- High powered motor. Bigger models.
- Bring your models to life.
- Indulge in the best **DIY** toy in **INDIA**.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via motorized **DIY** models.

ORDER CODE - STEM-721



MECHANIX

elanna.



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Note: Specifications are subject to change.



MECHANIX - ROBOTIX - 3



- The 4th level of the motorized MECHANIX series.
- High powered motor. Bigger models.
- Bring your models to life.
- Indulge in the best **DIY** toy in **INDIA**.
- Promotes **STEAM** education.
- Introduce problem solving skills, creativity etc via motorized DIY models

ORDER CODE - STEM-722





Motorized

Tesca Technologies Pvt. Ltd.





MECHANIX - BATTLE STATION



- Entry level battle station tank construction set in **MECHANIX**.
- Have fun with war themed models.
- Promotes **STEAM** education.
- Introduce 21st Century skills to a child.

ORDER CODE - STEM-723

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Note: Specifications are subject to change.



MECHANIX -**BATTLE STATION - 2**



- Experience taking a army to a battle with a real tank made from MECHANIX.
- It features flexible tracks which mimics original wartanks.
- Get ready for your war fun and enjoy your tank going at 45 degree inclines.
- Can be played indoor and outdoor on rugged terrains.

ORDER CODE - STEM-724



Motorized STEAM E D U C A T I O N SCIENCE TECHNOLOGY, ENGINEERING, ART, MATH

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.







MECHANIX - BATTLE STATION TRANSPORTER



• With 2 high powered motors and a track system to build a motorised trailer truck and a motorised tank at the same time.

 This will set your imagination on fire as it simulates the real experience of taking your army to battle.

- Features **360 x 100 mm** models.

ORDER CODE - STEM-725

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.



APP"

MECHANIX VINTAGE CAR (DIY)



- The jewel of the **MECHANIX** range.
- A beautifully crafted vintage car, the perfect fit in any show case to display your masterpiece. and of course, it is a convertible, so you can decide whether you like the roof on or off.

ORDER CODE - STEM-726



M

E D U C A T I O N SCIENCE, TECHNOLOGY, ENGINEERING, ART, MATH



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® MECHANIX - GIANT WHEEL



- Some structures are best made in Steel.
- A Ferris wheel which has been the epitome of steel architecture, gives goosebumps when made with **MECHANIX**.
- A **5 feet motorized structure** which takes a couple of days with family to build and play.



Tesca Technologies Pvt. Ltd.



MECHANIX- BEGINNERS-GIANT WHEEL



- The entry level **MECHANIX** range.
- Introduce **MECHANIX** Beginner series for cool construction vehicles.
- **STEAM** education, and other 21st century skills for children is an added bonus.
- Model sizes **130 x 120 mm**.

ORDER CODE - STEM-729





MECHANIX-BEGINNERS- BIKE



MECHANIX

- The entry level **MECHANIX** range.
- Introduce **MECHANIX** Beginner series for cool construction vehicles.
- **STEAM** education, and other 21st century skills for children is an added bonus.

ORDER CODE - STEM-730



Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.



MECHANIX- BEGINNERS-HELICOPTER



- The entry level **MECHANIX** range.
- Introduce **MECHANIX** Beginner series for cool construction vehicles.
- Build great construction vehicles.
- **STEAM** education, and other 21st century skills for children is an added bonus.

ORDER CODE - STEM-731











- A cool 2 model set to build great construction vehicles.
- Models are designed to be fun and great for beginner builders as well as advanced.
- The sturdy **bulldozer model** will awe you with its clean construction and beautiful proportions.



ORDER CODE - STEM-732

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Note: Specifications are subject to change.

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MECHANIX- MINIS PLANE



- Perfect Birthday return gift.
- Introduction of pure steel building and construction at value pricing.
- Can also be used as key chains.

ORDER CODE - STEM-733





Tesca Technologies Pvt. Ltd.

MECHANIX - MINIS BIKE



- Perfect Birthday return gift.
- Introduction of pure steel building and construction at value pricing.
- Can also be used as key chains.

ORDER CODE - STEM-734







MECHANIX- MINIS CAR



- Perfect Birthday return gift.
- Introduction of pure steel building and construction at value pricing.
- Can also be used as key chains.

ORDER CODE - STEM-735







MECHANIX- MINIS TRACTOR



- Perfect Birthday return gift.
- Introduction of pure steel building and construction at value pricing.
- Can also be used as key chains.

ORDER CODE - STEM-736



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Note: Specifications are subject to change.



A PLASTIC ENGINEERING CONSTRUCTION SET

PLASTIC MECHANIX is perfect for little creators to make their first step in the word of engineering and construction. the attractive, coloured, sturdy pieces have on sharp edges and are totally safe for tiny, little hands.

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.





- Experience the **MECHANIX** construction in plastic pieces.
- 1st level in car series. Targeted to a younger age group.
- Large plastic nuts, bolts and screwdrivers for little hands.
- Easy Fix Promotes STEAM education and 21st century skills.





MECHANIX- PLASTIC-CARS - 2

MECHANE



- Experience the **MECHANIX** construction in plastic pieces.
- 2nd level in car series. Targeted to a youngerage group.
- Large plastic nuts, bolts and screwdrivers for little hands.
- Easy Fix.
- Promotes STEAM education and 21st century skills.

ORDER CODE - STEM-738

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.





- Experience the **MECHANIX** construction in plastic pieces.
- 2nd level in carseries.
- Large plastic nuts, bolts and screwdrivers for little hands.
- Easy Fix. Targeted to a younger age group.
- Promotes STEAM education and 21st century skills.





Large plastic nuts, bolts and screwdrivers for little hands.

 \otimes

15

MODELS

GST %

- Easy Fix. Targeted to a younger age group.
- Promotes STEAM education and 21st century skills.

ORDER CODE - STEM-740

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STE EDUCATION



MECHANIX- PLASTIC-CARS - 3



- Experience the **MECHANIX** construction in plastic pieces.
- 3rd level in carseries.
- Large plastic nuts, bolts and screwdrivers for little hands.
- Easy Fix. Targeted to a younger age group.
- Promotes **STEAM** education and 21st century skills.

ORDER CODE - STEM-741



MECHANIX - PLASTIC -PLANES - 1



- Experience the **MECHANIX** construction in plastic pieces.
- 1st level in plane series.
- Large plastic nuts, bolts and screwdrivers for little hands.
- Easy Fix. Targeted to a younger age group.
- Promotes **STEAM** education and 21st century skills.

ORDER CODE - STEM-742

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MOB



® MECHANIX- PLASTIC-MOBITECH



- Experience the **MECHANIX** construction in plastic pieces.
- Targeted to a younger age group.
- Large plastic nuts, bolts and screwdrivers for little hands.
- Easy Fix. Makes cars and planes both in a single set.
- Promotes STEAM education and 21st century skills

ORDER CODE - STEM-743

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.

STEAM EDUCATION





COUNT DOWN



- One of the best board game for vocabulary building.
- Word guessing game for both kids and adults.
- Guess the word or get drowned.
- A fun game to play at parties.
- Premium quality materials.

ORDER CODE - STEM-744



MEMORY SKILLS



- One of the best board game to test and boost your memory.
- Just remember the picture and match the cards.
- 20 different game levels.
- Suitable for kids as well as adults.
- A fun game to play at parties.
- Premium quality, Vibrant and colorful pictures and illustrations

ORDER CODE - STEM-745

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.





DISCOVER INDIA 2 IN 1



- 29 sturdy premium plastic states that join together to build a unified India.
- Puzzle pieces meticulously crafted for precise fitting and enhanced experience..
- The perfect game to spend some family time together, both for kids and adults

ORDER CODE - STEM-746



DISCOVER INDIA 3 IN 1



- 29 sturdy premium plastic states that join together to build a unified India.
- Meticulously crafted pieces for precise fitting and enhanced experience.
- Comes with map of India, activity sheets & comprehensive text book with beautiful illustrations.
- The perfect game to spend some family time together, both for kids and adults.

ORDER CODE - STEM-747

Tesca Technologies Pvt. Ltd.

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BISCOVER INDIA -DISCOVER IN SIX



- Did you know that we have Asia's oldest Amphitheatre?
- Did you know that we have the only 'floating national park' in the world?
- Did you know that we have the largest kitchen in the world?
- A card game which challenges the notion of India for children and adults both.
- Discover unknown facets of India via games and take pride of amazing facts.

DISCOVER INDIA - CHALLENGES



- An intersting card game set to discover our country India.
- Gamification of modern aspects of living.
- Identifying places through ,Livability Index' which is the future of living.
- Encourage the child to think about the world differently

ORDER CODE - STEM-749



Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.





BISCOVER INDIA 5 IN 1



ORDER CODE - STEM-750

- 29 sturdy premium plastic states that join together to build a unified India.
- Meticulously crafted pieces for precise fitting and enhanced experience.
- Contains 2 sets of unique card games, activity sheets & comprehensive text book with beautiful illustrations.
- The perfect game to spend some family time together, both for kids and adults.



Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.













DISCOVER WORLD



- The knowledge of the world starts with Geography.
- An exhaustive map of the world with almost all countries represented in physical form.
- First time in the world, exquisitely crafted map in premium plastic.
- It contains an Atlas for each continent.
- Fun facts and unique information about every country.
- Activity sheets to gamify information.

Tesca Technologies Pvt. Ltd.

Note: Specifications are subject to change.

ISCOUR WORLD





® DOG & THE BONE



- Strategy game-Be the first to get your Dog to his bone.
- Instructions available in multiple languages.
- Contents: Hard plastic Board, Fences, Bones, Dogs.
- Stragegy games build aptitude and social skills in a child apart from increased concentration.

ORDER CODE - STEM-752



® ORANGES N LEMONS



- Strategy game Get to the top of the pyramid to be victorious.
- Instructions available in multiple languages.
- Contents: Hard plastic Board, marbles in 2 color sets.
- Stragegy games build aptitude and social skills in a child apart from increased concentration.

ORDER CODE - STEM-753

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Note: Specifications are subject to change.





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MEDI KID - PINK



- Pretend Play doctor sets.
- Stethoscope with 14 Pink Tools in a beautiful carry case.

ORDER CODE - STEM-754







MEDI KID - BLUE



- Pretend Play doctor sets.
- Stethoscope with 14 blue Tools in a beautiful carry case.

ORDER CODE - STEM-755

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Note: Specifications are subject to change.





ALPHA NUMERO JAR

3 TO 5 49 YEARS MAGNETIC LETTERS

• Wordplay and fun for kids on refrigerators and other surfaces.

₹

- 49 magnetic letters and numbers in a transparent container.
- Comes with extra commomnly used letters

ORDER CODE - STEM-756



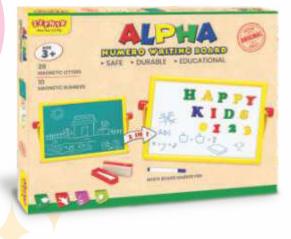


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ALPHA NUMERO BOARD ALPHA ALPHA NUMERO BOARD ALPHA ALP



ORDER CODE - STEM-757

GST % 3+ 49 YEARS MAGNETIC

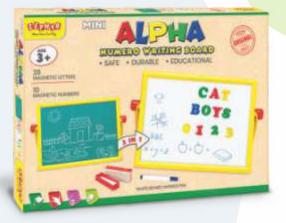
- **LETTERS** • Carefully designed writing board that makes alphabets, numbers and writing an easy task for kids.
- 3 in 1 board. Large sized version.
- Comfortable angle and green board to avoid eye strain.
- Easily interchangeable magnetic and writing sides.
- Alphabets, duster and chalksare provided.
- Sturdy quality to withstand rough use by children.

MINI ALPHA NUMERO BOARD



LETTERS

- Carefully designed writing board that makes alphabets, numbers and writing an easy task for kids.
- 3 in 1 board.
- Comfortable angle and green board to avoid eye strain.
- Easily interchangeable magnetic and writing sides.
- Alphabets, duster and chalks are provided.
- Sturdy quality to withstand rough use by children



ORDER CODE - STEM-758

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Note: Specifications are subject to change.







MINI SCRIBBLEZ - FIRE TRUCK



- Sketch, Doodle and Learn.
- Make learning and writing a joyful and fun experience.
- Beautiful and Colorful sturdy board which makes drawing writing etc fun.
- The board has themes to encourage your child to adopt writing easily

MINI SCRIBBLEZ - WHALE



- Sketch, Doodle and Learn.
- Make learning and writing a joyful and fun experience.
- Beautiful and Colorful sturdy board which makes drawing writing etc fun.
- The board has themes to encourage your child to adopt writing easily



ORDER CODE - STEM-760

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Note: Specifications are subject to change.







MINI SCRIBBLEZ - FAIRY



- Sketch, Doodle and Learn.
- Make learning and writing a joyful and fun experience.
- Beautiful and Colorful sturdy board which makes drawing writing etc fun.
- The board has themes to encourage your child to adopt writing easily.

MINI SCRIBBLEZ - ROCKET



- Sketch, Doodle and Learn.
- Make learning and writing a joyful and fun experience.
- Beautiful and Colorful sturdy board which makes drawing writing etc fun.
- The board has themes to encourage your child to adopt writing easily.



ORDER CODE - STEM-762

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- Unbreakables series are fun, colorful and beautiful vehicle range from us which are seriously ubreakable!
- We are so confident of the strength of this product that we challange children to try and break them and win an award.
- These are free wheel and hence suitable for infants too.

Tesca Technologies Pvt. Ltd.







- Unbreakables series are fun, colorful and beautiful vehicle range from us which are seriously ubreakable!
- We are so confident of the strength of this product that we challange children to try and break them and win an award.
- These are free wheel and hence suitable for infants too.

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Note: Specifications are subject to change.

CARAGERS LI



00





 Unbreakables series are fun, colorful and beautiful vehicle range from us which are seriously ubreakable!

GST

%

₹

- We are so confident of the strength of this product that we challange children to try and break them and win an award.
- These are free wheel and hence suitable for infants too.

ORDER CODE - STEM-765

MY FIRST PLANE



- Unbreakables series are fun, colorful and beautiful vehicle range from us which are seriously ubreakable!
- We are so confident of the strength of this product that we challange children to try and break them and win an award.
- These are free wheel and hence suitable for infants too.

ORDER CODE - STEM-766



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ATTER BANKS STATE 8 3 yrs + CCA

MAGNETIX - 1



- Get introduced to a world of Magnetic construction.
- Deceptively simple but full of creativity and fun.
- 1st construction set for kids.
- Introduce pattern identification to kids.
- Snap-Build-Unsnap construction activity. Let the child think and build in 3D.
- Durable, Foodgrade quality beautiful pieces.

ORDER CODE - STEM-767

MAGNETIX - 2



PIECES **MODELS**

- Get introduced to a world of Magnetic construction.
- Deceptively simple but full of creativity and fun.
- 1st construction set for kids.
- Introduce pattern identification to kids.
- Snap-Build-Unsnap construction activity. Let the child think and build in 3D.
- Durable, Foodgrade quality beautiful pieces.

ORDER CODE - STEM-768



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Note: Specifications are subject to change.







MAGNETIX - 3



- Get introduced to a world of Magnetic construction.
- Deceptively simple but full of creativity and fun.
- 1st construction set for kids.
- Introduce pattern identification to kids.
- Snap-Build-Unsnap construction activity. Let the child think and build in 3D.
- Durable, Foodgrade quality beautiful pieces.

ORDER CODE - STEM-769

MAGNETIX - 4



- Get introduced to a world of Magnetic construction.
- Deceptively simple but full of creativity and fun.
- 1st construction set for kids.
- Introduce pattern identification to kids.
- Snap-Build-Unsnap construction activity. Let the child think and build in 3D.
- Durable, Foodgrade quality beautiful pieces.



ORDER CODE - STEM-770

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MAGNETIX - 5



- Get introduced to a world of Magnetic construction.
- Deceptively simple but full of creativity and fun.
- 1st construction set for kids.
- Introduce pattern identification to kids.
- Snap-Build-Unsnap construction activity. Let the child think and build in 3D.
- Durable, Foodgrade quality beautiful pieces.

ORDER CODE - STEM-771

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R-5

My First Construction Set

hald with mage

ST

3 yrs

100

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*** FUNCIL-MEGA**



Durable and supreme quality stencils with no sharp edges.

Perfect edging, Intricate drawing and painting made easy for kids.

Great idea for birthday and return gifts. Can be a good travel companion for kids. Let the child draw like a professional.

Good for school projects too.

• Animal, Birds and Transport all 3 together.

ORDER CODE - STEM-772

FUNCIL-TRANSPORT



- Durable and supreme quality stencils with no sharp edges.
- Perfect edging, Intricate drawing and painting made easy for kids.
- Great idea for birthday and return gifts.
- Can be a good travel companion for kids.
 Let the child draw like a professional.
 Good for school projects too.

ORDER CODE - STEM-773



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FUNCIL-ANIMALS



- Durable and supreme quality stencils with no sharp edges.
- Perfect edging, Intricate drawing and painting made easy for kids.
- Great idea for birthday and return gifts.
- Can be a good travel companion for kids.
 Let the child draw like a professional.
 Good for school projects too.

ORDER CODE - STEM-774

FUNCIL-BIRDS



- Durable and supreme quality stencils with no sharp edges.
- Perfect edging, Intricate drawing and painting made easy for kids.
- Great idea for birthday and return gifts.
- Can be a good travel companion for kids.
 Let the child draw like a professional.
 Good for school projects too.

ORDER CODE - STEM-775



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333 A 6

® INFANT BLOCKS -SET 1



- 1st Building blocks for a baby.
- Sqeeze,Stack,Toss,Grasp.
- Perfect size for baby's grip.
- Safe even if taken in mouth.
- Very soft material ensures that the baby does not get hurt while playing.
- Colors and counting.
- Cognitive play

ORDER CODE - STEM-776

INFANT BLOCKS -SET 2



- 1st Building blocks for a baby.
- Sqeeze, Stack, Toss, Grasp.
- Perfect size for baby's grip.
- Safe even if taken in mouth.
- Very soft material ensures that the baby does not get hurt while playing.
- Colors and counting.
- Cognitive play

ORDER CODE - STEM-777



Tesca Technologies Pvt. Ltd.



® INFANT BLOCKS - SET 3



- 1st Building blocks for a baby.
- Sqeeze,Stack,Toss,Grasp.
- Perfect size for baby's grip.
- Safe even if taken in mouth.

ORDER CODE - STEM-778

- Very soft material ensures that the baby does not get hurt while playing.
- Colors and counting.
- Cognitive play.

® INFANT BLOCKS -SET 4

1.0



- 1st Building blocks for a baby.
- Sqeeze,Stack,Toss,Grasp.
- Perfect size for baby's grip.
- Safe even if taken in mouth.
- Very soft material ensures that the baby does not get hurt while playing.
- Colors and counting.
- Cognitive play1

ORDER CODE - STEM-779

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Dicem Catalog

BEGINNINGS

Tesca Technologies Pvt. Ltd.





Product Category

- ACTION GAMES
- ► ACTIVITY TOYS
- ART & CRAFT
- BEACH PLAY SET
- **BUILDING BLOCKS**
- CONSTRUCTION SETS
- EDUCATIONAL GAMES
 SPORTS ITEMS
- EDUCATIONAL JIGSAW PUZZLE STATIONARY ITEMS
- **FAMILY GAMES**
- **FRICTION TOYS**
- **KITCHEN SETS**

- MIND CHALLENGE GAM
- MUSICAL INSTRUMENTS
- PARTY & FAMILY GAMES
- ▶ PRE SCHOOL TOYS
- **PULL ALONG TOYS**
- ► RATTLE SETS
- **STUDY TABLES**
 - **TODDLERS TOYS**
 - **WRITING BOARD & SLATES**

TENT HOUSE /PLAY GYM AND MANY MORE



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POWERED



Case lot : 6

 Friction-Powered Cement Mixer toy with rotating mixer action,No batteries required.

• Size : 30.5 x 12 x 15 cm

TOY LOADING TRUCK (BOX) - [77013]

Case lot : 6

Friction-Powered
 Loading truck with
 multi-sided openings
 for dynamic, Battery-free
 play.

• Size : 29 x 12 x 12.5 cm



1

Mob: +91-9829132777









POWERED

2

Case lot : 12

Friction-Powered
 Dumper toy with button
 activated rear bed
 opening for interactive,
 Battery-free play.

• Size : 28 x 10 x 13.5 cm

TOY ARMY TRUCK (PVC) - [77007]

Case lot : 12

Friction-Powered Army truck with authentic interior seating and functional rear opening,
Ensuring battery-free excitement.

• Size : 29 x 12 x 14.5 cm











POWERED

AMBULANCE

4

m

Case lot : 6

. Friction-Powered Police van featuring actual interior seating and an accessible rear door, Sparking battery-free playtime action.

• Size : 30 x 12 x 14 cm

TOY AMBULANCE VAN (BOX) - [77008]

POLICE

Case lot : 6

Friction-Powered
 Ambulance Van with
 interior seating, functional
 rear door and a genuine
 stretcher for immersive,
 Battery-free roleplay.

• Size : 30 x 12 x 14 cm











POWERED

Case lot : 12

Friction-Powered City
 Service Truck with a
 versatile arm and
 rotating bucket,
 Offering battery-free play.

 \cdot Size : 32.5 x 13 x 16 cm $_{
m t}$

TOY FIRE LADDER TRUCK (PVC) - [77006]

Case lot : 6

 Friction-Powered Fire ladder toy with movable ladder and rotating bucket, offering dynamic, Battery-free play.

SUPER TRUCK POWER KING

Size : 32.5 x 12 x 16 cm













AVATOR



POWERED

(((HEAVY DUTY

7

TOY MODERN EXCAVATOR (BOX) - [77010]

Case lot : 6

 Friction-Powered Modern Excavator with movable arm and rotating function through a pull-lever mechanism, Battery-free exploration

• Size : 31.5 x 12 x 17.5 cm

TOY TOW TRUCK (BOX) - [77014]

Case lot : 6

 Friction-Powered Tow truck featuring a mobile crane for towing and a button-activated mechanism for lowering cars, Ensuring battery-free playtime excitement.

• Size : 31.5 x 12 x 17.5 cm





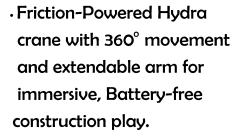




KEEP YOUR

CITY CLEAN

8



TOY HYDRA CRANE (BOX) - [77024]

Case lot : 6

• Size : 31.5 x 12 x 17.5 cm

TOY GARBAGE TRUCK (PVC) - [77005]

Case lot : 6

Friction-Powered City
 Clean up truck with
 push-button garbage
 disposal, providing
 engaging,Battery-free
 interactive play.

• Size : 33 x 12 x 15 cm





3

MINTHAN



Dp/Mrp:775/149 Die Cast Mini Thar (DS) [2081]

Caselot-12



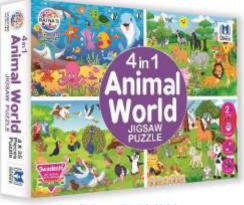




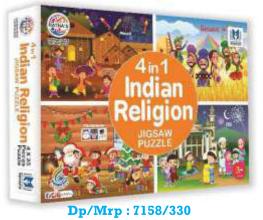




Indian Seasons - [1556]



Dp/Mrp:7158/330 Animal World - [1573]



Indian Religion - [2361]

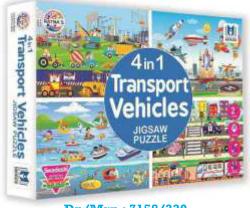








4 inl Our Helper Set-1 - [1502]



Dp/Mrp : 7158/330 Transport Vehicles - [1575]



Dp/Mrp :158/330 4 in 1 Chandrayaan- [2266]



Safari World - [1571]









Mickey & Friends - [2501]



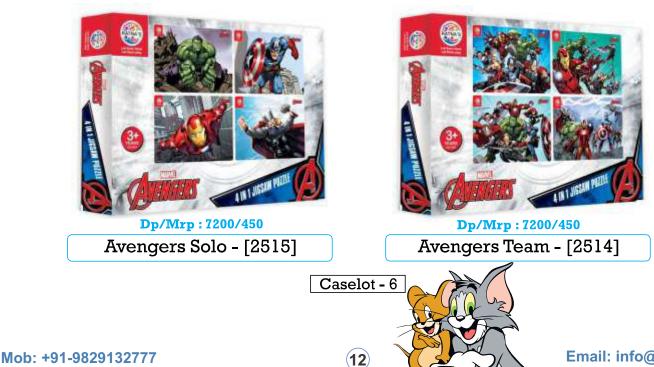
Frozen -II - [2502]



Dp/Mrp:7180/400 Minnie Mouse - [2504]



Dp/Mrp:7180/400 Spiderman - [2510]









Dp/Mrp : 7180/400 4 In 1 Spiderman (Vertical) - [2529]



Dp/Mrp : 7175/370 Princess Cinderella - [2506]



Dp/Mrp:7180/400

4 In 1 Mickey & Frnds. (Vertical) -[2530]



Dp/Mrp : 7200/450 Ariel - [2503]











Dp/Mrp : 7175/370 Barbie 4 In 1 Jigsaw - [1587] Caselot - 6







Dp/Mrp : 7245/525 6 In 1 Avengers Jig. 72pcs -[2544]



Dp/Mrp : 7245/525 6 In 1 Frozen Jig 72pcs - [2545]



Dp/Mrp : 7425/899

Avengers Jumbo Floor Puzzle - [2525]

Pine Pine Jumbo Floor Puzzle

Dp/Mrp : 7425/899 Spiderman Jumbo Floor Puzzle - [2511]

99 PCS JIGSAW PUZZLE







99 PCS JIGSAW PUZZLE







Winnie The Pooh - [2518]









MY FIRST BIG PUZZLE









Mob: +91-9829132777





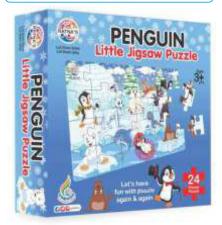
LITTLE JIGSAW PUZZLE



Dp/Mrp : 780/170 Unicorn - [2369]



Dp/Mrp : 763/135 Fairies - [1543]



Dp/Mrp:763/170

Penguin - [2370]



Dp/Mrp : 763/135 Jungle - [1540]



Dp/Mrp : 763/135 Chandrayaan - [2372]



Dp/Mrp:770/150

Pirates - [1541]











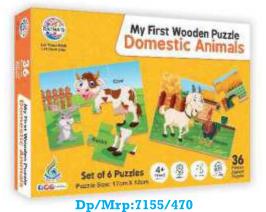
20







Educational Zoology - [1415]



My First Wooden Puzzle Domestic Animals - [2441]



Animal their homes & what they eat - [1500]

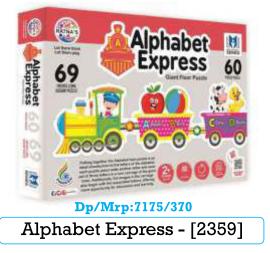


Dp/Mrp:7165/499 Wooden Story Puzzle Thirsty Crow - [2440] Dp/Mrp:7110/340 Dinosaur Land Puzzle - [1572]

Caselot - 6











Dp/Mrp:7215/450

Alphabet Giant Floor Puz.[1574]



Match & Learn My 1st Alph. [1597]



Dp/Mrp:7175/370 Parts Of Body Jigsaw 2 in 1 -[1561]

Caselot - 6

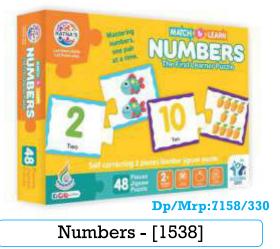


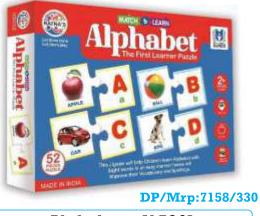
Alphaber





MATCH & LEARN JIGSAW





Alphabet - [1536]



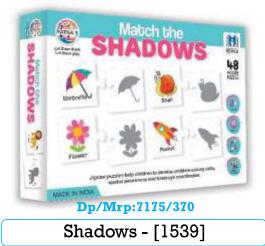








MATCH & LEARN JIGSAW





Dp/Mrp:7190/400 Mathematic - [1529]



Dp/Mrp:7110/340 Match & Learn Kids World Map Jigsaw - [1580]



Fruit & Vegetable



Dp/Mrp:7202/425 Fruit & Vegetable - [1531]



Dp/Mrp:7235/500 Kids India Map & World Map Combo Jigsaw - [1576]

Caselot - 6







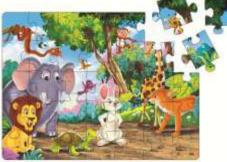






Story Puzzle Jigsaw





Dp/Mrp:7170/370 Hare & Tortoise - [1505]



Dp/Mrp:7215/450 Shepherd Boy & The Lion [1506]



Dp/Mrp:7215/450 Red Riding Hood - [1508]

Dp/Mrp:7190/400 Thirsty Crow - [1507]

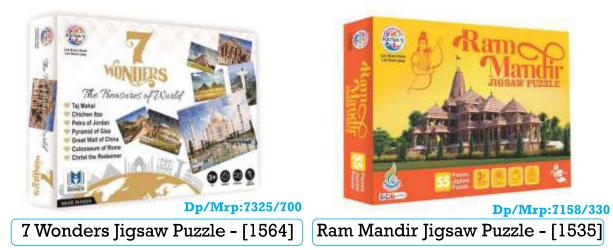


Dp/Mrp:7215/450 Rainy Picnic Day - [1509]





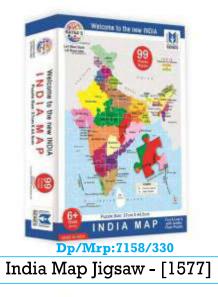


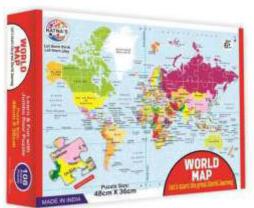








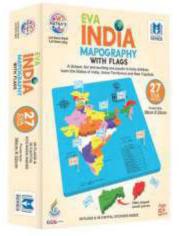




Dp/Mrp:7180/375 World Map Jigsaw - [1565]

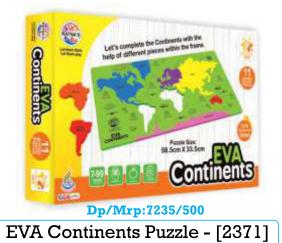






Dp/Mrp:7238/500 EVA India Mapography w/Flags [1596]

Caselot - 6



Caselot - 6

Dp/Mrp:7205/430 Our Solar System Puzzle - [1548]

Caselot - 6



Wooden Solar System Puz. -[1476]







500 PCS JIGSAW PUZZLE



Dp/Mrp:7400/850 Eiffel Tower Paris 500 pcs [1558]



Burj Khalifa 500 pcs [1551]



Petronas Twin Towers 500 pcs [1566]



Dp/Mrp:7400/850 Cappadocia Turkey 500 pcs [1570]



Dp/Mrp:7385/800 Times Square New York 500pcs [1569]



Dp/Mrp:7400/850 Tower Bridge London 500 pcs [1554]



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Unicorn World - [2445]



Candy Land - [2443]



Polar Express - [2444]



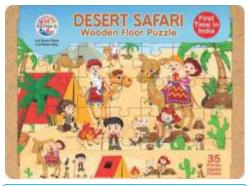
Space - [2447]



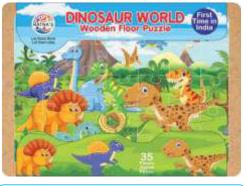
Animal Safari - [2446]



Ocean World - [2450]



Desert Safari - [2448]





Caselot - 12





DISNEY WOODEN FLOOR PUZZLE ASSORTED

Dp/Mrp:7105/320



Avengers - [2547]



Frozen -II - [2548]



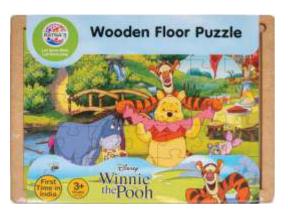
Mickey & Friends - [2549]



Princess - [2550]



Spiderman - [2551]





Caselot - 12





EDUCATIONAL ACTIVITY MAT









Flash Cards Assorted -1 - [7003M]

Caselot - 12



Intelli Kids- Premium - [7015]



Dp/Mrp : 7215/450 Intelli Kids- Phonics - [7029]





Dp/Mrp : N7200/600 Alphabet Jumbo Flash cards -[7027]

Caselot - 12



Intelli Kids- Animals - [7021]



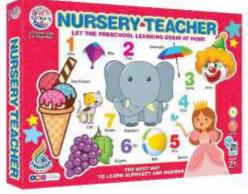
Dp/Mrp : 7215/450 Intelli Kids- Community Helpers [7030]

Caselot - 6



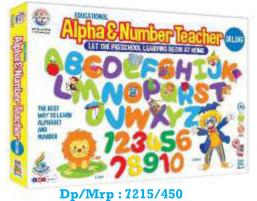






Dp/Mrp : 786/180 Nursery Teacher - [1441]

Caselot - 10



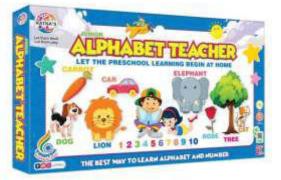
Alpha & No. Teacher Dlx - [1424]

Caselot - 6



Dp/Mrp : 778/165 Apple Block - [1443]

Caselot - 20



Dp/Mrp : 7120/250 Alphabet Teacher Jr - [1430] Caselot - 10



Dp/Mrp : 7138/285 Alpha Numbers & Shapes - [1423] Caselot - 10



Dp/Mrp : 7125/260 Nice Block - [1460]

Caselot - 10







Letter Word Picture Jr - [1421]

Caselot - 10



Dp/Mrp : 7110/230 My First Maths Teacher Jr- [1439]

Caselot - 10



Dp/Mrp : 7165/345 Letter Word Picture Sr - [1422]

Caselot - 10

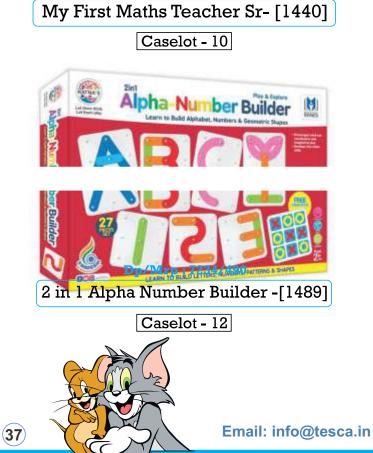


Dp/Mrp : 7285/600 Letter Word Picture Jumbo-[1431]

Caselot - 6



Dp/Mrp : 7205/430









Caselot - 12

Dp/Mrp:7175/370

Shape Stacker Square-[1488] Caselot - 12



Caselot - 20

Caselot - 10



Dp/Mrp:7165/350 Giant Alphabet & Numbers

Caselot - 10







SHAPE SORTER





Dp/Mrp : 7140/290 Jr Animal Shape Sorter - [1499] Caselot - 10













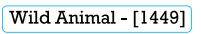


EDUCATIONAL PUZZLE CUBE PVC

Dp/Mrp: 795/200









Pet Animal -[1451]







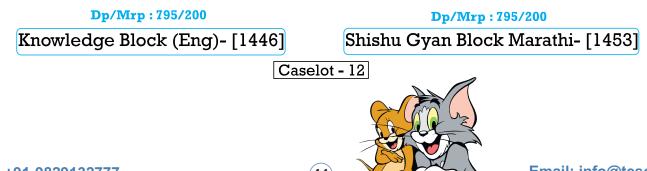
Bird - [1450]



Transport - [1452]













Honda Block - [1456]



Rajhans Block - [1462]

ENGREA

Tomato Block - [1466]

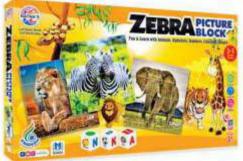
OMATO PICTUR



Orange Block - [1461]



Sunflower Block - [1465]





Zebra Block - [1467]

Caselot - 10 Dp/Mrp : 7125/275







Dp/Mrp : 7285/600 Unicorn Learning Kit-[3031]

Caselot - 5





Learning Frame Jr 4 In 1- [1437]

Caselot - 10

Dp/Mrp:7132/280

Counting Frame PVC - [1413]

Caselot - 12

Counting Frame

2002

Abacus Frame

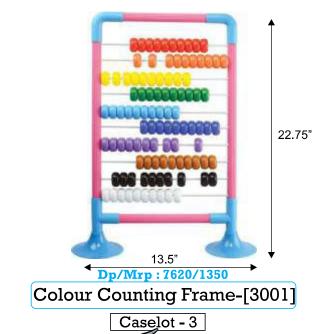
Dp/Mrp : 7335/700 Abacus Frame Dlx-[3047]

Caselot - 5



Dp/Mrp : 7190/400 Learning Frame Sr - [1438]

Caselot - 6















Dp/Mrp : 773/155 Colourful Abacus-[1495]

Caselot-20



Dp/Mrp:7125/260 Educational Abacus Jr-[1407]



Educational Abacus Sr-[1408]

Caselot-10

Caselot-6







My FIRST ABACUS ASSORTED

Dp/Mrp:7175/365



Unicorn - [1479]









Dp/Mrp

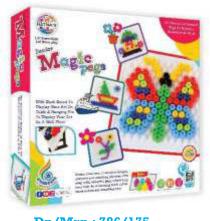
795/200

47









Dp/Mrp : 786/175 Magic Pegs Jr - [1142] Caselot - 10



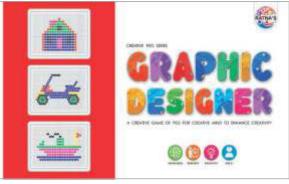
Peg Mosaic Jr - [1187]

Caselot - 20





Dp/Mrp : 7200/420 Magic Pegs Sr - [1143] Caselot - 6



Dp/Mrp: 7135/285 Graphic Designer - [1182]

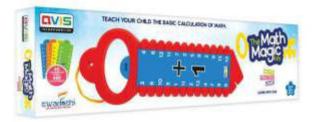
Caselot - 10



Find It First Pr - [1296] Caselot - 10







Dp/Mrp : 7157/330 The Math Magic key - [3035] Caselot -10



 Match & Spee
 Image: Construction of the sector of the

Dp/Mrp : 7190/400 Match & Spell Series -1 - [1491]

Caselot - 6



Math Genius

Caselot - 5



Caselot - 6









Caselot - 4





Dp/Mrp : 795/200 Magic Box - 25 Tricks (S) - [4199] Caselot - 10

Magic Box



Dp/Mrp:7172/360

Magic Box - 52 Tricks (M) - [4200]

Caselot - 5

Dp/Mrp : 7165/360 Sentence Master - [3049]

WIN

Caselot - 10

Dp/Mrp : 7230/500

Sentence Making Kit - [3048]

Caselot -5



Dp/Mrp : 7290/600 Magic Box -110 Tricks (B) - [4198] Caselot - 5



avis









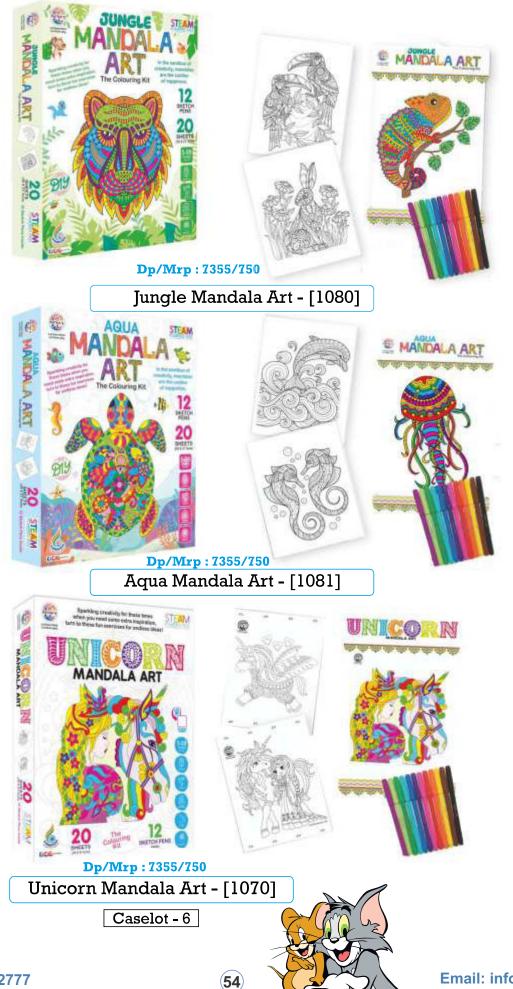


MANDALA ART







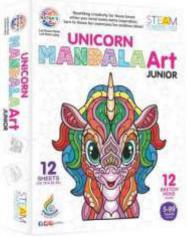


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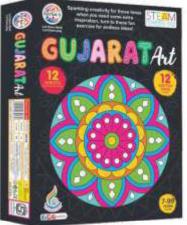




Dp/Mrp:7175/370 Unicorn Mandala Art Jr-[1044]



Wood.Unicorn Mandala Art -[1024]



Dp/Mrp:7190/400

Gujarat Art-[1029]





Dp/Mrp:7175/370 Animals & Birds Mandala Art Jr-[1025]



Caselot - 6





STEAM



Dp/Mrp : 7215/450 Unicorn Fridge Magnets - [1022]



Dp/Mrp : 7215/450 Unicorn Dream Catcher- [1042]

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UNICON

TWOODEN



Dp/Mrp : 7215/450 Unicorn Clock Making Kit - [1026]



57







Unicorn Craft Kit 3 in1 -[1040]

Caselot - 6



Dp/Mrp: 7215/450 Unicorn Lamp Making Kit-[1198]

Caselot - 6





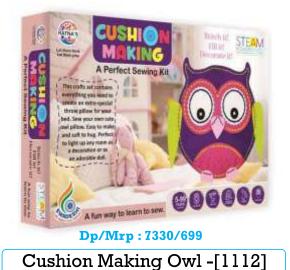




Dp/Mrp : 7330/699 Unicorn Pillow - [1047]



Dp/Mrp : 7330/699 Cushion Making Lion - [1196]





My Elegant Flower Vase Making-[1120]







Dp/Mrp : 7240/499 Greeting Card (B) - [1121]

Caselot - 6











Caselot - 10

MOULD & PAI



Dp/Mrp : 7230/480 Stamp Art Unicorn (B) - [1065]

Caselot - 6



 Dp/Mrp : 7140/300
 Dp/

 Mould & Paint Unicorn Jr - [1041]
 Mould & Paint

Dp/Mrp : 7200/420 Mould & Paint Unicorn Sr - [1063]





Dp/Mrp : 7140/300 Classic Fridge Magnets Jr- [1033]

Dp/Mrp : 7210/450 Classic Fridge Magnets- [1013]

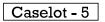
Caselot - 6







Mirror Art -[0000]





Mirror Art Unicorn-[3040]

Caselot - 5





Comes with an Unicorn Apron

Dp/Mrp:7325/680

My Colouring Mat Unicorn & Princess 2 In 1 - [1096]



My Colouring Mat Jungle & farm 2 In 1 - [1095]

Caselot - 12

61





MY COLOURING MAT



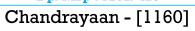




MY COLOURING MAT











Frozen-II - [2617]



Dp/Mrp: N7155/500

Spiderman - [2624]



Dp/Mrp: N7145/450

Cars - [2616]

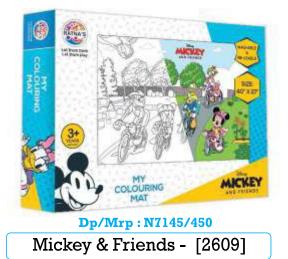
Caselot - 6







MY COLOURING MAT





Winnie The Pooh - [2612]



Dp/Mrp : 7330/699 Mickey & Friends Candle Making Kit - [2632]



Dp/Mrp : N7230/699 Mould & Paint Spiderman - [2639]





Dp/Mrp : N7230/699 Avengers Soap Making Kit - [2637] Caselot - 6







MY COLOURING HUT



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65











Colour It Unicorn - [4143]



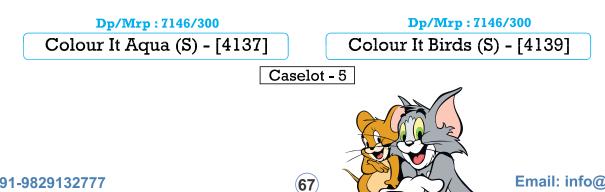
Dp/Mrp:7192/400 Colour It ABCD (S) - [4135]



Dp/Mrp:7146/300 Colour It Animals (S) - [4136]







Mob: +91-9829132777





COLOUR IT







Stamp Art Transport (B) - [1137]



Stamp Art Fruits (B) - [1147]



Stamp Pad

Stamp Art Vegetables (B)- [1136]







Stamp Art Flowers (B) - [1148]

48] Stamp Art Aqua (B) - [1145] Caselot - 6



Mob: +91-9829132777





STAMP ART



Stamp Art Alpha & Number -[1048]



Dp/Mrp : 7230/480 Stamp Art (B) Numbers -[1046]







Stamp Art Unicorn (S)-[1049]



Dp/Mrp : 7130/270 Stamp Art Aqua (S) - [1152]



Dp/Mrp : 7130/270 Stamp Art Fruits (S) - [1154]



Stamp Art Vegetables (S)- [1156]



Stamp Art Animals (S) - [1151]



Dp/Mrp : 7130/270 Stamp Art Birds (S) - [1153]



Dp/Mrp : 7130/270 Stamp Art Flowers (S) - [1155]



Stamp Art Transport (S) - [1157]

Caselot - 10





PAINT YOUR T SHIRT







BARBIE



Barbie Mould & Paint - [1083]



Dp/Mrp:7330/700 Barbie Candle Making Kit -[1090]



Barbie Soap Making Kit -[1089]



Dp/Mrp : 7255/550 Barbie Greeting Card Making -[1092]







BARBIE



Dp/Mrp : 7150/315 Barbie Picture Blocks - [1078] Caselot - 10

Y MAKING KIT BIN



Dp/Mrp : 7145/300 Barbie Jewellery Nano -[1066]

Caselot - 12



Dp/Mrp : 7230/480 Barbie Jewellery Making Kit Sr -[1076]

Caselot - 6

Dp/Mrp:7190/399

Barbie Jewellery Making Kit Jr- [1077]

Caselot - 6



(74)





JEWELLERY MAKING KIT



Dp/Mrp : 7165/350 Frozen-II Jewellery Nano -[2649]

Caselot - 12



Frozen-II Jewellery Jr - [2622]

Caselot - 6



Dp/Mrp : 7285/600 Frozen-II Jewellery Sr -[2623]

Caselot - 6



Minnie Mouse Jewellery Jr - [2627]

Caselot - 6



Dp/Mrp : 7212/450 Princess Jewellery Jr - [2620]



Dp/Mrp : 7285/600 Princess Jewellery Sr -[2621]

Caselot - 6





JEWELLERY MAKING KIT









Mob: +91-9829132777

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Dp/Mrp : 180/110 Frozen - [2644] Minnie Mouse - [2645] Disney Princess - [2646] Disney Bracelet Making Kit



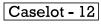




Mini Sand (200gm) - [1002]



Unicorn Sand Mini(200gm) - [1006]











Dp/Mrp : 7120/249 Wonder Sand (500gm) Assorted - [1191]

Caselot - 8



Fantasy Sand (500gm) - [1067]







335 Gms x Any 3 Ass. Colour

MIX & MATCH





400 Gms x Any 2 Assorted Colour **Dp/Mrp : 792/195**

STAIN PHEE - NEVER DRIES OUT

Fancy Sand - [400Gms x Any 2 colours] - [1032]

Caselot - 12

1



Dp/Mrp : 7158/330 New Crazy Sand (400gm) - [1104] Caselot - 6



Caselot - 4

Dp/Mrp:7330/699

Crazy Sand Jumbo (1 Kg) - [1097]

Caselot - 4

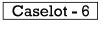
Dp/Mrp : 7165/349 New Slime Sand (500gm)- [1094]







Dp/Mrp : 7340/715 Magic Sand Aqua - [1184]





Caselot - 6



Dp/Mrp : 7260/545 Creative Sand Fort - [1179]

Caselot - 6





Dp/Mrp : 7340/715 Magic Sand Castle - [1186] Caselot - 6



Dp/Mrp : 7260/499 Creative Sand Fruits - [1178]

 Caselot - 6

 Image: Comparison of the second of th

Dp/Mrp : 7190/399 Unicorn Sand Art - [1016]

Caselot - 6







Dp/Mrp : 765/140 Mini Dough Sticks - [1003] caselot-12



Hexa Dough - [1008]

Caselot - 12

Dp/Mrp : 750/105 KiddyDough 3 In 1Tini Mini – [1030]

Caselot - 20

Caselot - 20

Magic Dough 5 in 1 - [1150]

Dp/Mrp:780/170



Dp/Mrp : 7100/220 Unicorn Dough Mini 4 In 1 - [1009]

84







Fantasy Dough Set - [1158]

Caselot - 12



Dp/Mrp : 7165/350 Super Dough 10 In 1 - [1149]

Caselot - 12



Dp/Mrp:7170/360 Amazing Dough 5 in1 -[1173] Caselot - 12





Caselot -6

85







ICE-CREAM DOUGH



Dp/Mrp : 7235/499 Creative Dough 8 In 1 - [1012]

Caselot - 6



Unicorn Dough Art - [1005]

Caselot - 6

Caselot - 6



Dp/Mrp : 7175/360

Barbie Ice Cream Dough - [1000]

Caselot - 6

Jungle Dough Art - [1007]

Dp/Mrp : 7200/425 Crazy Dough W/Machine - [1159]

Caselot -6

Mob: +91-9829132777

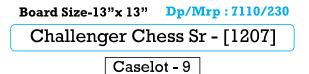






Board Size-11"x 11" Dp/Mrp : 785/190 Challenger Chess Jr - [1208] Caselot - 10







Board Size-16"x 16" Dp/Mrp : 7290/610 Challenger Chess Jumbo - [1206] Caselot - 6



 Board Size-11"x11"
 Dp/Mrp : 790/190

 Champion Chess Jr - [1226]

 Caselot - 10



Board Size-13"x 13"	Dp/Mrp :7110/230
Champion Che	ess Sr - [1247]
Caselo	ot - 10



 Board Size-16"x 16"
 Dp/Mrp : 7290/610

 Champion Chess Jumbo - [1248]









Board Size-11"x 11" Dp/Mrp : 792/195 Kings Premium Chess Jr - [1274] Caselot - 10



Board Size-14"x14" Dp/Mrp : 7120/250 Kings Premium Chess Sr - [1275] Caselot - 10







Board Size-7.5"x 7.5"Dp/Mrp : 7122/255Board Size-Classic Magnetic Chess - [1260]Kings Kings Kin

89

Board Size-11.5"x11.5" Dp/Mrp : 7205/430 Kings Kingdom Mag. Chess- [1273] Caselot - 6





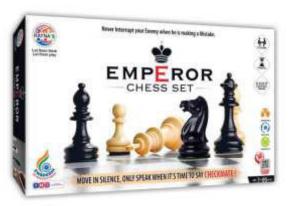
Board Size-12.5"x 12.5" Dp/Mrp : 7325/680 Black & White Mag. Chess - [1913]

Caselot - 6



Board Size-13.5"x 13.5" Dp/Mrp : 7315/660 Expert Mag. Chess Set SR - [1964]

Caselot - 5



 Board Size-13.5"x 13.5"
 Dp/Mrp : 7160/330

 Emperor Chess Set - [1221]







Legend Mag. Chess Jumbo - [1946] Caselot 5

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Macmattha

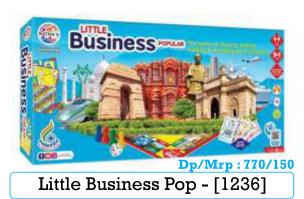
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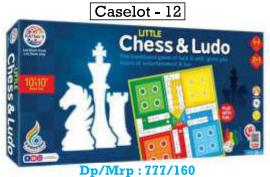
Email: info@tesca.in

Powerful Magnet Foldable Mat

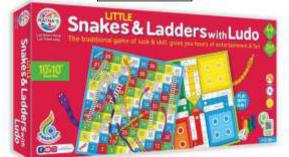








Little Chess & Ludo - [1235] Caselot - 12



Dp/Mrp : 760/125 Little Snak. & Ladd. + Ludo-[1239]



Lit.Guj Vyapar Coin W/ Snake Ladder - [1253] Caselot - 12 Business Trans Andrews

Dp/Mrp : 777/155 Little Business Coins - [1237]

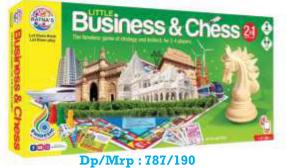
DOB

Caselot - 12



Little Chess & Snakes & Lad. -[1238]

Caselot - 12



Little Business & Chess 2In1-[1276]

Caselot - 12



Dp/Mrp:7135/280

Rummy Counter - [4247]

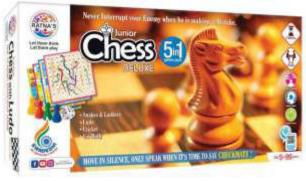
Caselot - 10



Mob: +91-9829132777

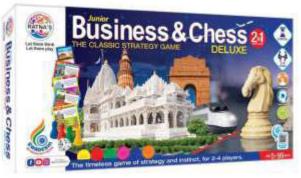




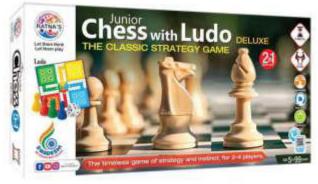


Dp/Mrp : 7120/255 Chess 5 In 1 Dlx JR - [1211]

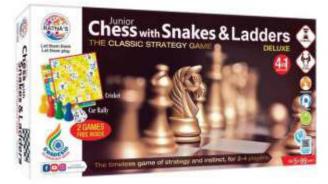
Caselot - 10



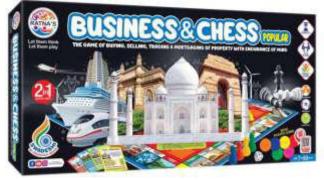
Dp/Mrp : 7163/340 Business & Chess Dlx JR - [1204] Caselot - 10



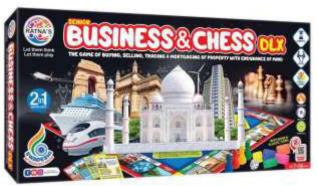
Dp/Mrp : 7120/255 Chess With Ludo Dlx JR - [1212] Caselot - 10



Dp/Mrp : 7120/255 Chess W. Snak. & Lad. Dlx JR- [1200] Caselot - 10



Dp/Mrp : 7173/360 Business & Chess Pop - [1266] Caselot - 10



Dp/Mrp : 7250/520 Business & Chess Dlx - [1267] Caselot - 10







Dp/Mrp : 7310/650 3 D Snakes & Ladders - [4265]

Caselot - 6



Unicorn Ludo W/Snakes & Lad.[4182]

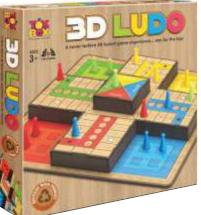
Caselot - 10

Dp/Mrp : 7172/360

Ludo (B) Black box - [4189]

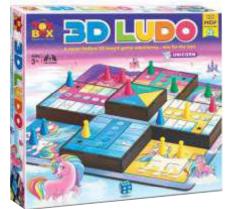
Caselot - 10





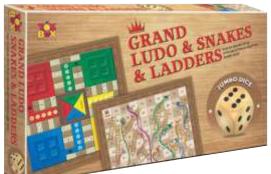
Dp/Mrp : 7265/550 3 D Ludo - [4119]

Caselot - 6



Dp/Mrp : 7265/550 3 D Ludo Unicorn - [4226]

Caselot - 5



Dp/Mrp : 7182/380 Grand Ludo & Snakes & Lad.[4184]











Dp/Mrp:793-195	
Ludo (S) - [4192]	
Caselot - 10	



Dp/Mrp:7129/270	
Ludo Premium (S) - [4196]	
Caselot - 10	



Dp/Mrp:7120/250

Ludo (M) - [4191]

Caselot - 10



Dp/Mrp:7187/390 Ludo Jumbo - [4190] Caselot - 10



Dp/Mrp:7163/340 Ludo Premium (M) - [4195] Caselot - 10

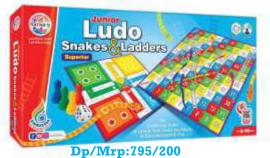


Dp/Mrp:7235/490 Ludo Premium (B) - [4194] Caselot - 5









Ludo (S) Dlx Ratnas - [1255]

Caselot - 10



Dp/Mrp:7185/390 Excellent Snakes & Ladders With Ludo - [1245]

Caselot - 6

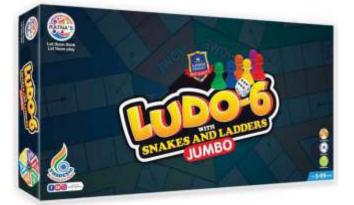


Caselot - 10



Dp/Mrp:7235/490 Mag. Ludo With Snakes & Ladders - [1257]

Caselot - 6



🗸 Ludo-6 players



Ludo-6 with Snakes & Ladders Jumbo - [1941]

Caselot - 6





Rolling Snakes and Ladders



Traditional Game of Snakes & Ladders

> With Exciting Rolling Ball That Rolls Ups The Stairs & Down The Snakes.

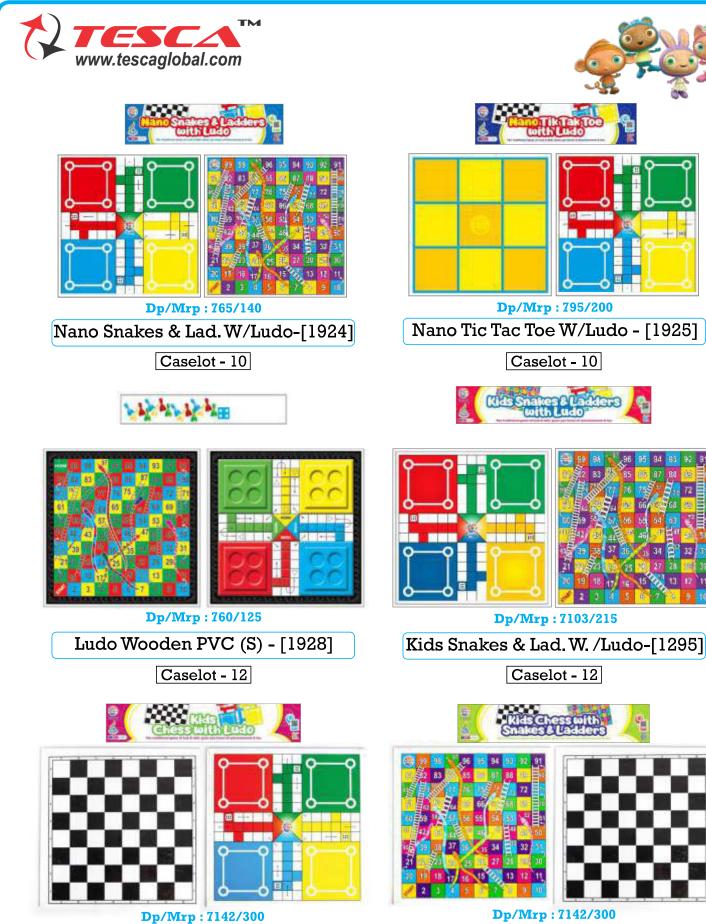












 Dp/Mrp : 7142/300
 Dp/Mrp : 7142/300

 Kids Chess With Ludo - [1920]
 Kids Chess W/Snakes & Lad.-[1921]

Caselot - 10

Caselot - 10





Dp/Mrp:7310/650 Plot 4 Balls - [1602]

Caselot - 6



Dp/Mrp:7135/285 Crisscross Travel. Mag. Set -[1917] Caselot - 10



Dp/Mrp:7108/225 Silver & Gold Mag.Chess Set [1201] Caselot - 10





Dp/Mrp:7300/625 Original Plot 4 - [1938]

Caselot - 6



Dp/Mrp:7105/220 Classic Plot 4 Senior - [1291]

Caselot - 10



Dp/Mrp:7128/270 Snakes & Lad.W/Ludo Mag. Travel.[1202]



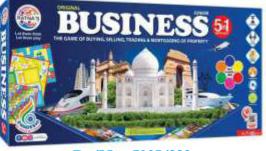
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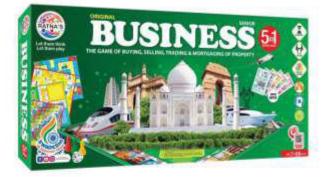




Dp/Mrp:794/196 Business JR Pop - [1233] Caselot - 10



Dp/Mrp:7105/220 Business JR Coins - [1231] Caselot - 10

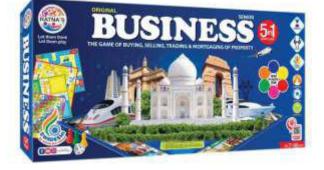


Dp/Mrp:7120/250	
Business SR Pop - [1234]	
Caselot - 10	

Dp/Mrp:7170/360

Business Dlx 5 In 1 Eng.- [1265]

Caselot - 10



Dp/Mrp:7135/285 Business SR Coins - [1232] Caselot - 10



Dp/Mrp:7325/680 Big Business - [1246]

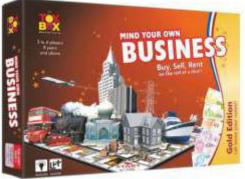
Caselot - 6



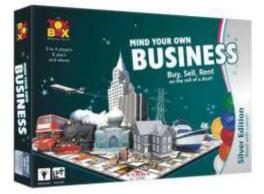
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Dp/Mrp:7220/460 Business Gold TB (Notes) -[4124] Business Silver TB (Coins)- [4126]

Caselot - 5









Dp/Mrp:7120/250 Jay Jay Garvi Guj. Pop - [1271] Caselot - 10



Dp/Mrp:7147/310 Jay Jay Garvi Guj. Coins- [1270] Caselot - 10



Dp/Mrp:778/165 Lit.Guj Vyapar Coin W/S. Ladders [1253]

Caselot - 12



Dp/Mrp:7225/470 Gujarati Vyapar Dlx 5 In 1- [1225]





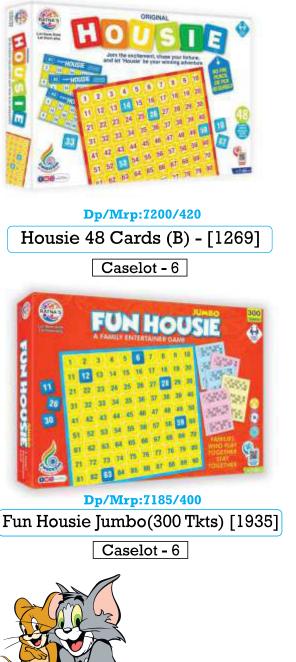




Fun Housie JR/120 Tkts- [1264] Caselot - 10

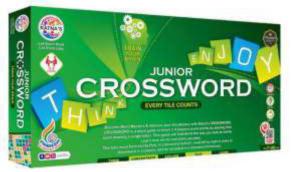












Dp/Mrp: 7132/280 Junior Crossword - [1279] Caselot - 10



Dp/Mrp: 7275/580 Sudoku Challenge Senior - [1959]

Caselot - 6





Dp/Mrp: 7285/600 Brilliant 2 in 1 - [1972] Caselot - 5









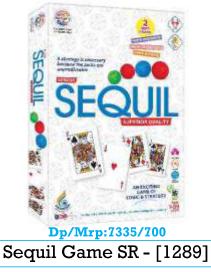
Caselot - 10



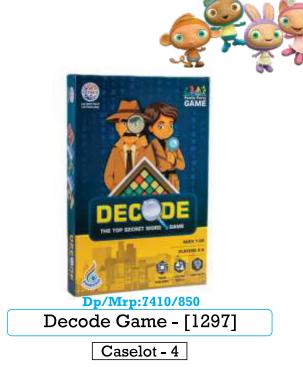
14 In 1 Family Fun Games- [1224] Caselot - 10







Caselot - 4

















Caselot - 6





4 Frogs In A Square - [1203] Caselot - 6





Dp/Mrp:7230/480 Trio Challenge - [1950] Caselot - 6



Dp/Mrp:7185/390 Colour Race - [1936]









DpMrp : 7290/610

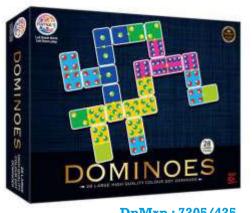
Colour Trap - [1943]



Thread Challenge - [1968]



Baby Snooker - [1637]



DpMrp : 7345/720

Trap Game - [4264]

DpMrp : 7205/425 Dominoes - [1918]



DpMrp : 7800/1680 Shut The Box - [1953]

Caselot - 6



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Candy Crush-[1948]



DpMrp : 7220/460 Colour Challenge - [1949]



Truth And Dare -[1933]



Snake Challenge - [1937]



Dp/Mrp: 7250/540 Mind Power - [3039] Caselot - 5



Dp/Mrp: 7298/650 Word Challenge - [3009] Caselot - 5















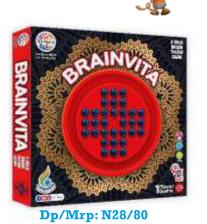
Fun-6 Game - [1241]

Caselot - 20



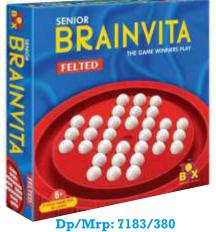
Brainvita JR Felted - [4121]

Caselot - 10



Brainvita Ratnas - [1240]

Caselot - 20



Brainvita SR Felted - [4123]



















1. Push the full line of ball in a single direction





2. Atlease two balls of the same colour must be connected



Dp/Mrp:7300/630 Double Trouble Game - [1945]









Sized just right for kids while fun for the whole family!! Spend some quality time indoor or outdoor in the backyard with a classic game of bowling.

Sliding Bowling & Curling 2 In 1 - [1963]







DISNEY TWIN ARCADE BASKET BALL ASSORTED







DISNEY JUNIOR BASKET BALL ASSORTED



Avengers - [2727]



Spiderman - [2726]

Dp/Mrp : 7175/375

Mickey Mouse - [2728]

Frozen II - [2729]

FROZENII

JUNIOR BASKETBALL



Dp/Mrp : 7190/400 Double Stroke Twin Game - [1875]

117

Caselot - 10

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Caselot - 6



Dp/Mrp:7337/710

Super Shot Basketball SR - [1635]

Caselot - 6



Dp/Mrp : 7375/790 Tower Basketball - [1634]







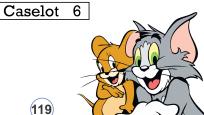


Master Launcher - [2084] Caselot - 6









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DISNEY POM POM JUNIOR ASSORTED







Caselot - 6



Caselot - 6



Caselot - 5



Dp/Mrp: 7190/400 Neo Ouch - [4238] Caselot - 6



Caselot - 6



Dp/Mrp: 7155/320 The Black Box Puzzle - [4260]







Fuel your passion for speed with Speed Masters, the ultimate track set !

Caselot - 4 Dp/Mrp : 7350/735



122



LAUNCHER

Step into the world of Speed Masters and let the thrill take the wheel











YOGA MATS

Practice all kind of exercises

Thickness 4MM

Thickness 6MM









ROCKET LAUNCHER -JR

Dp/Mrp:7210/440

FLIES UPTO

25 FEETS

Pull Down &

Release

Junior Rocket Launcher

Army- [1855]

Space- [1854] Caselot - 12

ż Junior Rocket Launcher

25 Inches

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BOWLING FUN











Bowling Alley Little-[1779]

Caselot - 12



Dp/Mrp:7110/230 Bowling Alley Jr - [1780]

Caselot - 12











Dp/Mrp:7100/210 Classic Bowling Pin - [1783]

Caselot - 10

Dp/Mrp:768/145 Bowling Fun Jr - [1782]



Dp/Mrp:N750/160 Bowling Fun Sr - [1783]

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127

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Dp/Mrp: 7258/540 Carry On Bowling - [4129]

Caselot - 6

128





BOWLING FUN

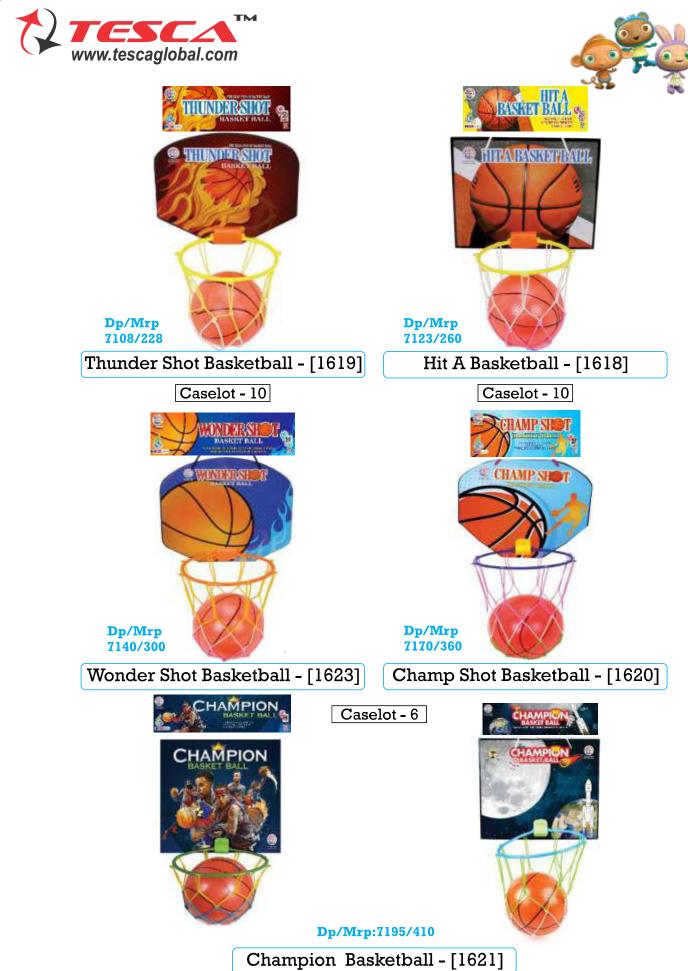






RINGTOSS GAME





Caselot - 6

131





Jungle Basket Ball - [1644]

Caselot - 6

 Pr/Marp

 Space Basket Ball - [1643]

 Caselot - 6



Winner Basketball Wooden No.5-[1797] Winner Basketball Wooden No.7-[1798]







CARTOON BASKET BALL

Dp/Mrp:7140/300











Caselot - 12









Super Magnetic Dart Mix

Dp/Mrp:7167/350

Caselot - 12

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Dp/Mrp : 792/200 Pop & Catch - [3953] CLICK & CATCH ASSORTED-[3000]





Click & Catch-Space - [2318]



Click & Catch-Unicorn - [2315]

Click & Catch-Jungle - [2317]



Click & Catch-Penguin - [2316]

Dp/Mrp : 7126/265

Caselot - 12

137



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Mickey - [2706]

Frozen - [2703]

Winnie the Pooh - [2707]

Princess - [2708]

SKY PING PONG ASSORTED -MARVEL







Dp/Mrp : 786/180





Princess - [2748]

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139

Caselot - 6

FROZENII

Frozen - [2746]

























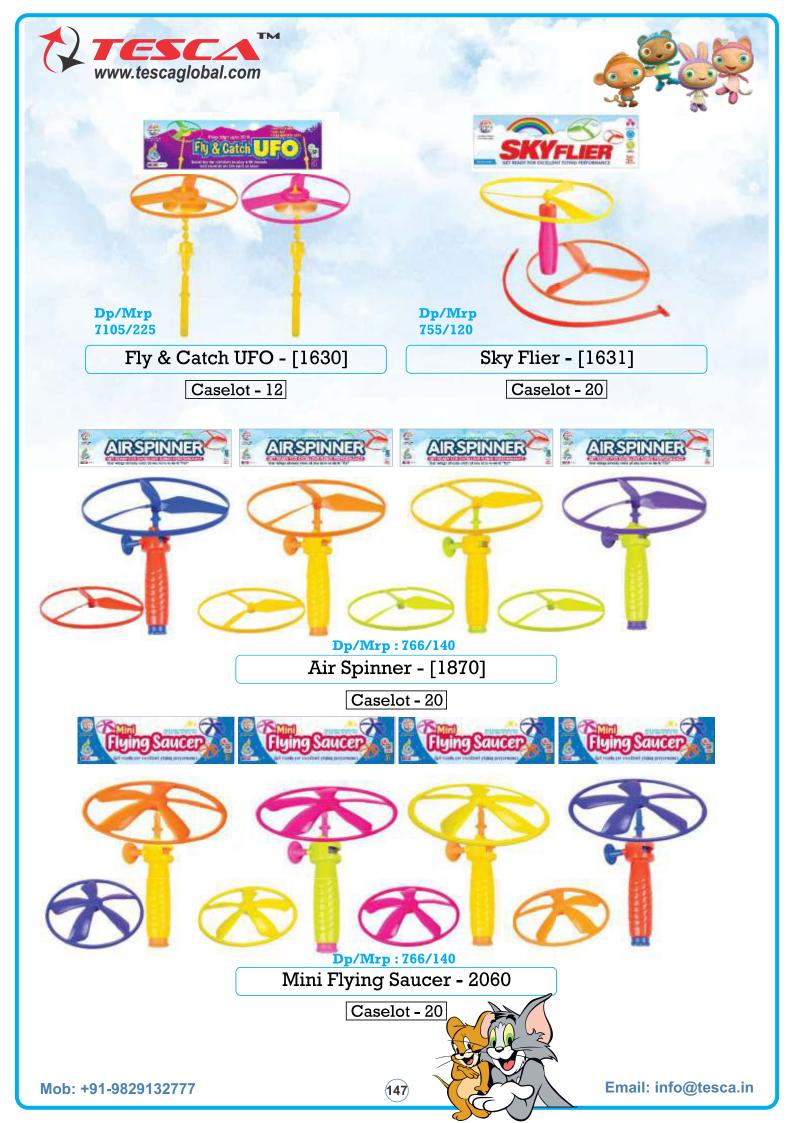






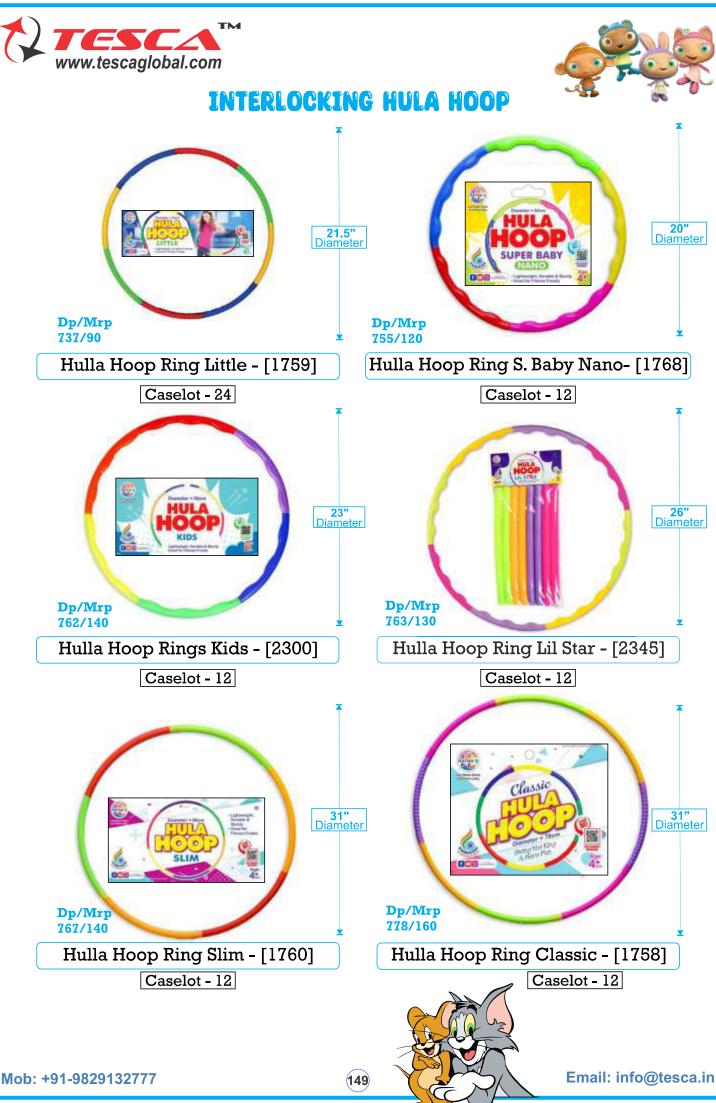














Dp/Mrp

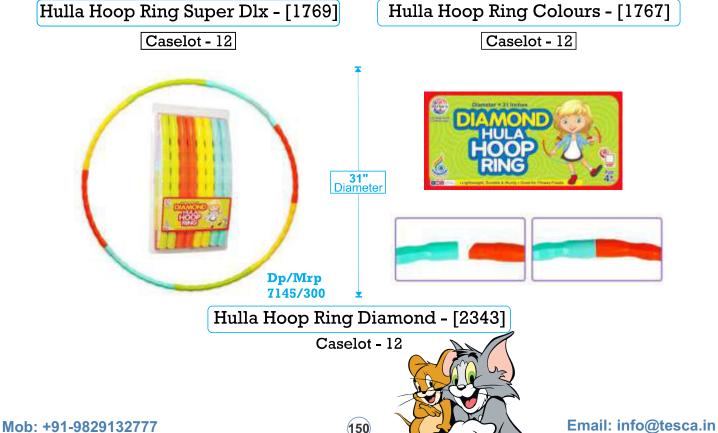
790/189

Dp/Mrp 790/200

Caselot - 12

R DELUX









Dp/Mrp

Dp/Mrp 736/75

Kiddy Skipping Rope Cotton - [2322]

Caselot - 48

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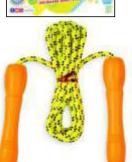
Kiddy Skipping Rope Nylon - [2323]

Caselot - 48



Cotton





Cotton



Dp/Mrp : 740/100 Pla. Skipping Rope Cotton - [1784]

736/75



151















Caselot - 24

152

24

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STRIKER











DP : N712 Striker Milky 5M-[6583]





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STRIKER



DP : N79.50 Striker Tip Top 3T-[6585]



DP : N710.50 Striker Tip Top 4T-[6586]



Striker Tip Top 5T-[6587]

DP : N718

Striker Platinum-[6592]

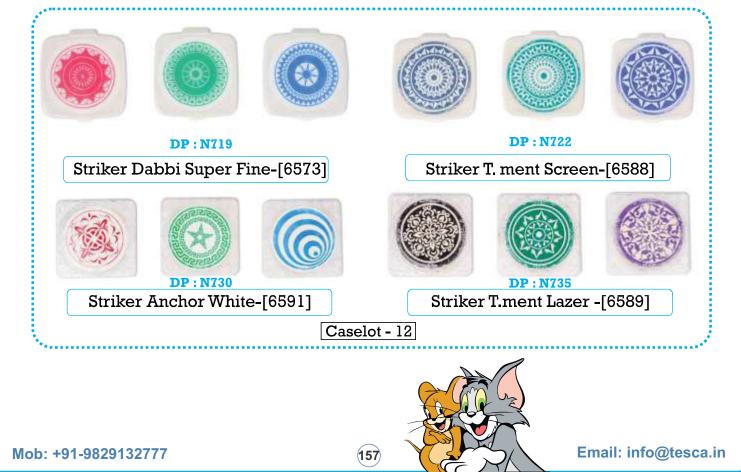


DP : N77.50 Striker Plain 3P-[6584]



DP:N712 Striker Marble 5M-[6595]

Caselot - 36







DP N7140

Wooden Dice (S) 12pcs 25mm-[2473]

DP N7250

Transparent Dice (S) 12pcs 25mm-[2471]



Peacock Dice (S) 70pcs 14mm-[2496] N7120

Transparent Dice (B)

8pcs 30mm-[2472]

Wooden Dice (B) 8pcs 30mm-[2474]

Peacock Dice (B) 40pcs 16mm-[2497]



DICE

DP

DP

N7200

DP

N7112



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Tesca Technologies Pvt. Ltd.

TESCA

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension, Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India, Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com Website: www.tescaglobal.com





About Us

Tesca is a Research driven, technology and learning resource company in the field of Education including Special Needs. Tesca has a State of Art Research Centre for Gifted learners and Special Needs Children. We have a Multidisciplinary team including Clinical (Rehabilitation Child Psychologist, Child Psychologist, Educator for gifted learners) IT, Resource development and Creative minds.

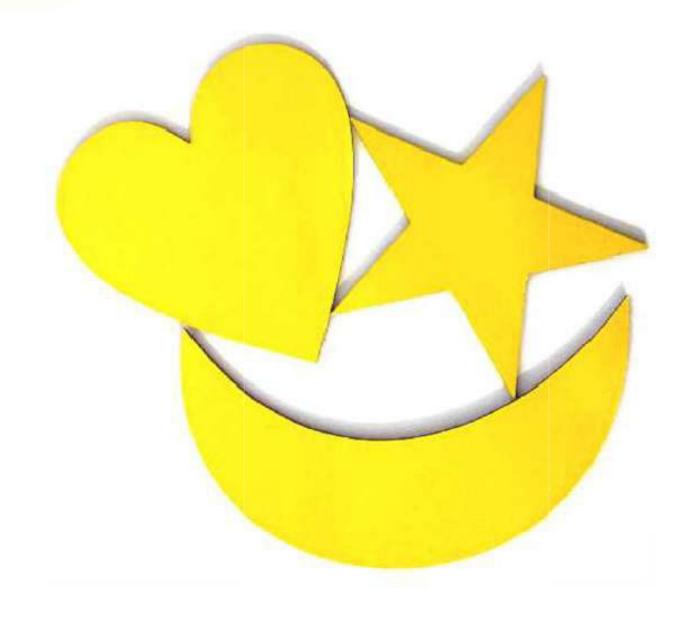
Tesca's vision is to bring in better learning outcomes in the classrooms and improve quality intervention in Special Needs. Our Learning Resources, technology software's and training courses, helps in providing end to end solutions to parents, schools, therapy centres and other educational institutions.

Company website: www.tescaglobal.com Email : info@tesca.in Contact no. : 91-9829132777





Wooden Large Shapes

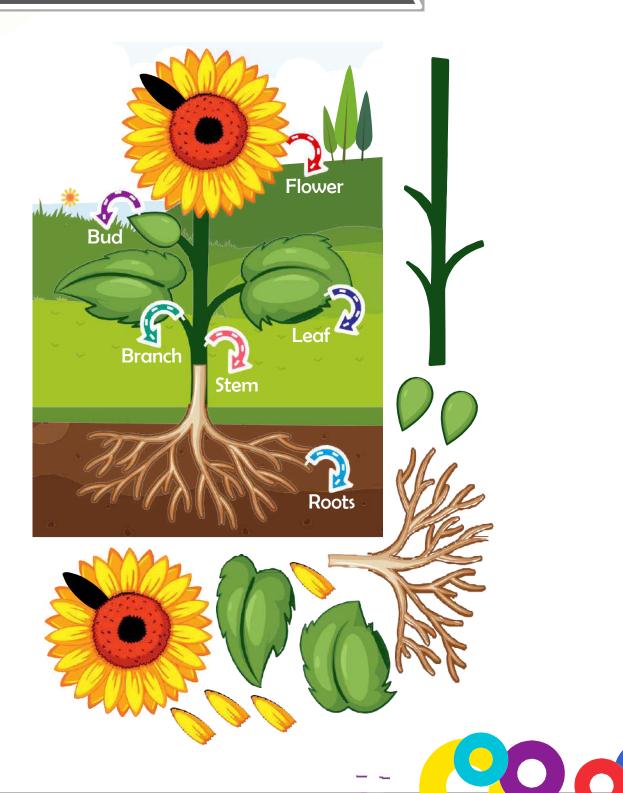








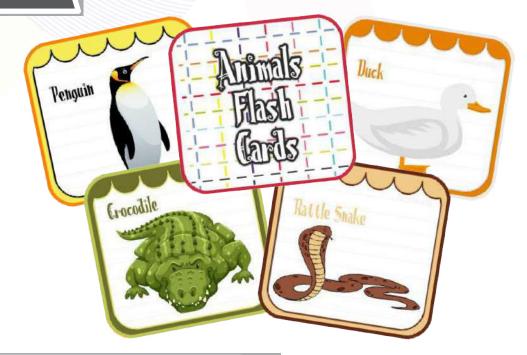
Plant Growth Sequence





Animals

FLASH CARDS



Community Helpers





Receptive Language







Colours

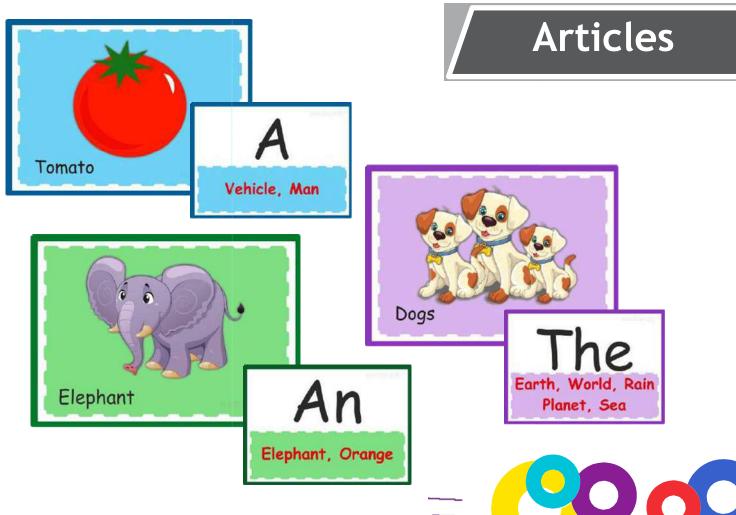




Singular & Plural

FLASH CARDSCARDS









Interrogative Sentence







Sensory Textured Foot-mats









Code And Create



Teach The Child Money Concept







Money And Banking



Count And Add





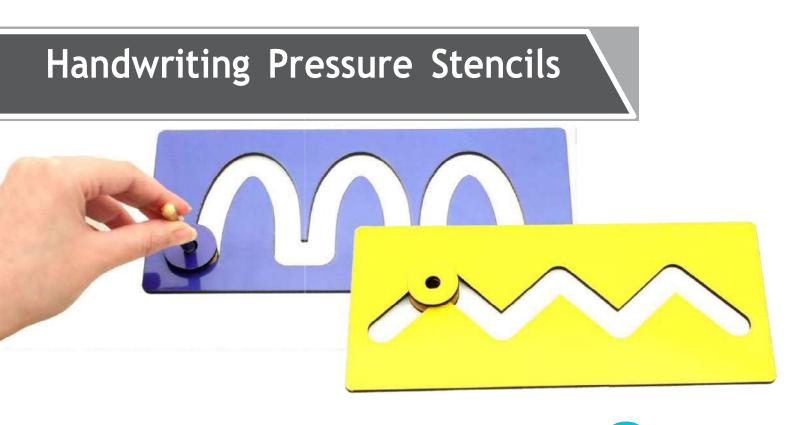


Animal Party

Visual & Auditory Perception



Wooden Animals









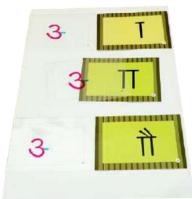
Reading made Easy Wooden





Hindi Varnmala









Opposite Hand On Booklet Level 1



Preposition Hands On Level 1







What Question Basic





What Question Intermediate







Who Question cards



Part Whole Learning Skills Puzzle



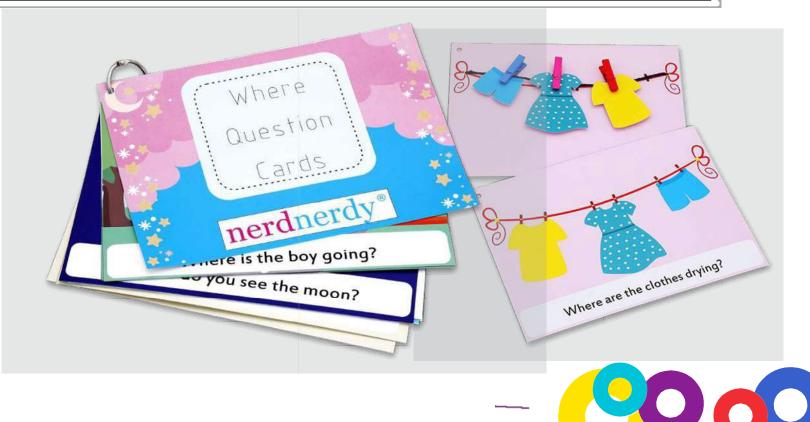




How Question Cards - Hands On



Where Question Cards - Hands On







Pattern Logico Basic

Pattern Logico Advance









English Phonic Sound Digraphs Level 1



English Phonic Sound Digraphs Level 2



English Phonic Sound Digraphs Level 3







Conceptent understanding sheet for teacher's reference.

Tens

10 yellow circles = 1 blue circle



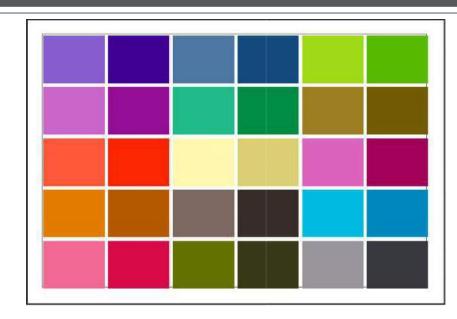




Wooden coloured shades



Wooden Colour Shades (Basic)











Hindi and English story sets with Magnetic Board Level 1



Large Magnetic Picture Cutouts









Constructing Phrases





Hindi Wooden Matra Stencil









Picture Sequencing









Analogy Cards Level 1





Analogy Cards Part 2













What's next basic





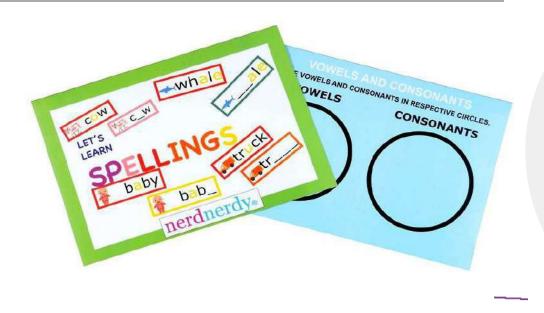
What's next Intermediate

What's next higher





Let's Learn Spellings





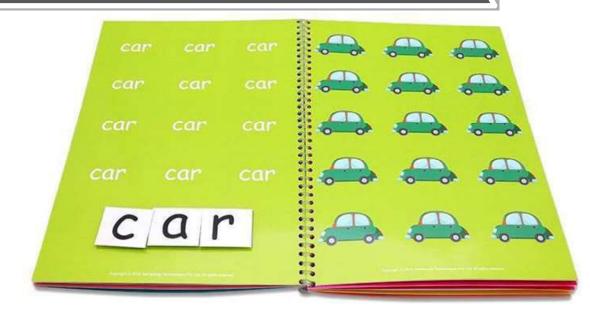




Spotty Cat & his laugh



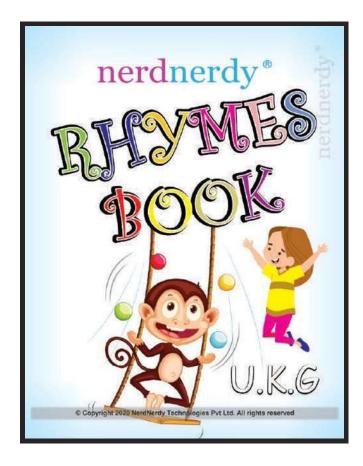
Speech Booklet



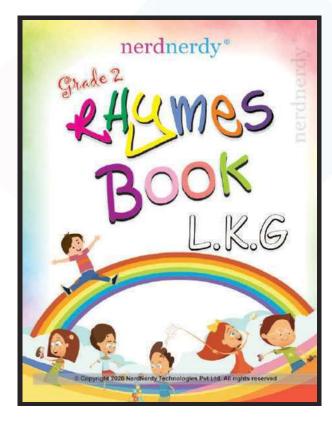




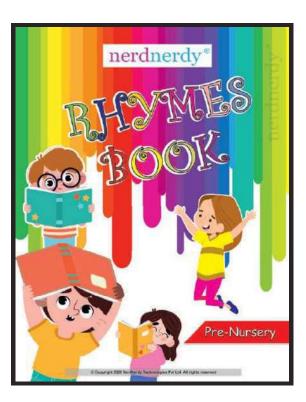
Rhyme Book L.K.G



Rhyme Book Pre-Nursery



Rhyme Book U.K.G

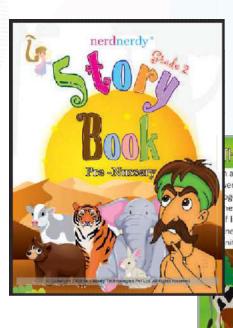








Story Book Pre-Nursery



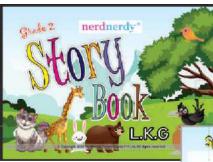
HE COWS AND THE TIGER

a big forest there lived four cows. They ere good friends. They always grazed ogether and stayed together. Wherever ney went they went in a group. Inspite f living amidst so many wild animals no ne could ever harm them due to their aity.



Story Book U.K.G

Story Book L.K.G









English Story Books







Cul

The Boy Who Cried Woll on a time there fued a shepherd Boy are, who used to take his flock of graze by the hillside

Hindi Story Books

एक भार की बात है एक-

nerdnerdy

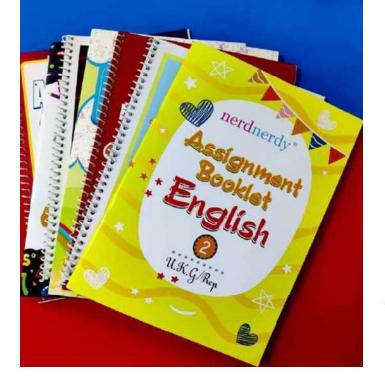






















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Community Signs

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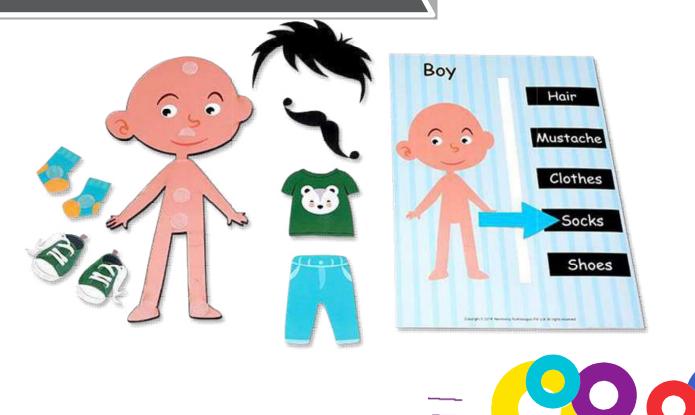
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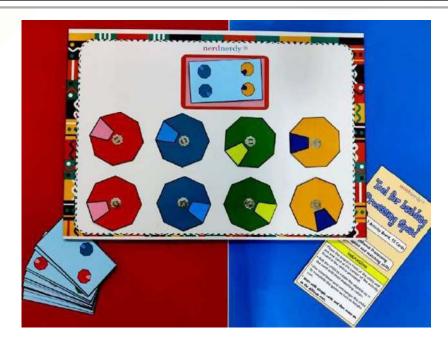
Lets Learn Gender







Tool for Building Processing Speed



Healthy and Junk Food







Handwriting Kit







Hand & Finger Strengthening Board

Hand & Foot Strengthening Board

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Tech tools - Education

JumpHats-Worksheets Creator

Teacher Professional Development

Tech tools-Spl Needs

Spl.Edtech-for Rehablitation Professionals

IEP Creator for Parents

Screening Tool for Pediatricians



School Products

- **>>** CHILDREN LEARNING RESOURCE
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- **TOYS**
- **GAMES**





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