



Giving kids the right tools  
for the right kinda play  
to develop the right skills  
for life.

**BROCHURE**





I CAN IMAGINE

I CAN EMPATHISE

I CAN BUILD

I CAN SOLVE PROBLEMS

I CAN CREATE

I CAN INNOVATE

I CAN CALCULATE

I CAN THINK OBJECTIVELY

I CAN LEARN BETTER



STEAM GIVES YOU SUPERPOWERS

# FROM THE MAKERS OF MECHANIX

ZEPHYR  
More Than Just Play



## 2 Crore +

Toys sold. Every 20 seconds a child gets a Zephyr Product.



## Largest

STEM products manufacturer in India.



## 40 + Awards

Including the National 'Make in India' award, 2 years in row.



## Supplier

Supplier to largest STEM companies in India

5000+ schools use Blix to teach their students

# BLIX CONSTRUCTION TOYS

## BLIX CARS 1



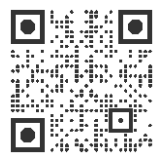
4 Models | 45 Pieces | Age: 5+

## BLIX CARS 2



10 Models | 76 Pieces | Age: 5+

## BLIX BUDDY



5 Models | 61 Pieces | Age: 5+

## BLIX AARTI SET



5 Models | 86 Pieces | Age: 8+

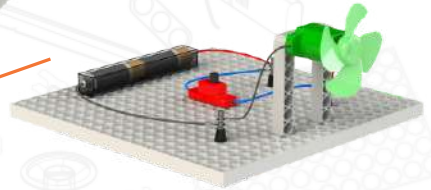
# BLIX CONSTRUCTION TOYS

## BLIX CRAWLERS



8 Models | 70+ Pieces | Age: 8+

## BLIX ELECTROMAGNETIX



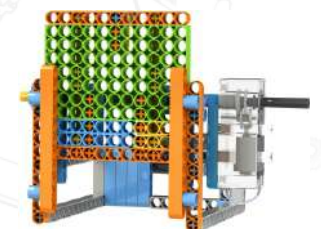
30 Projects | 42 Pieces | Age: 8+

## BLIX GEAR BOX



10 Experiments | 100+ Pieces | Age: 8+

## BLIX RACK & PINION



6 Models | 150 Pieces | Age: 8+

# BLIX CONSTRUCTION TOYS

## BLIX POWER SCREW



7 Models | 186+ Pieces | Age: 8+

## BLIX AMUSEMENT PARK



7 Models | 340+ Pieces | Age: 8+

## DIY 0



## E-Circuits

### SOUND



### MOTION



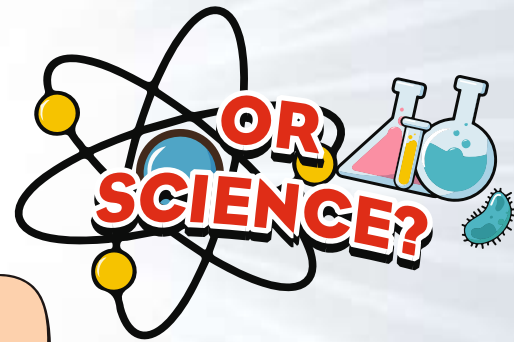
### LIGHT



# QUEAKY™



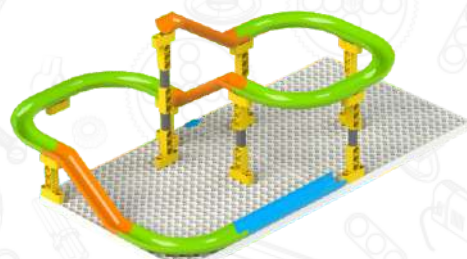
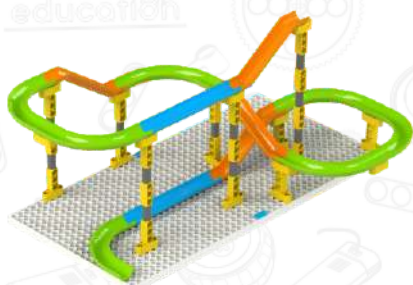
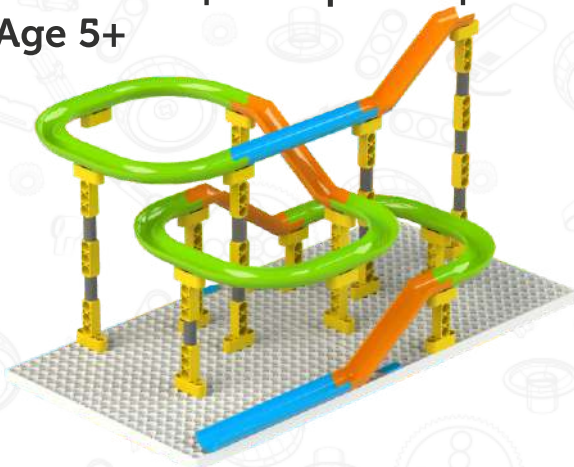
5 Vibrant Colours  
Different Expressions  
Age 5+



# MARBLE RUN 1



Build your own tracks |  
5+ Models | 118+ pieces |  
Age 5+



# MARBLE RUN 2



Build a motorised  
conveyor belt |  
4+ Models | 170+ pieces |  
Age 8+





# ROBOTICS KITS

## Blix Junior

Age 5+

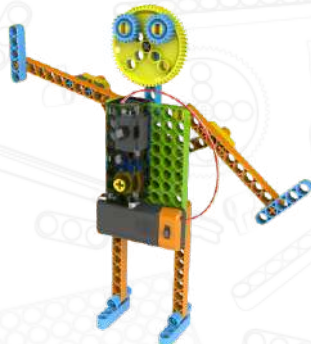
- Join Laya and Kit on their adventure and solve problems and build solutions.



## Discovering Motions

Age 8+

- Concepts of force, power, speed, energy, mechanical advantage, simple machines etc.
- Building with motors and mechanisms like gears, cam and follower, linkages, power screw, rack and pinion etc.



# ROBOTICS KITS

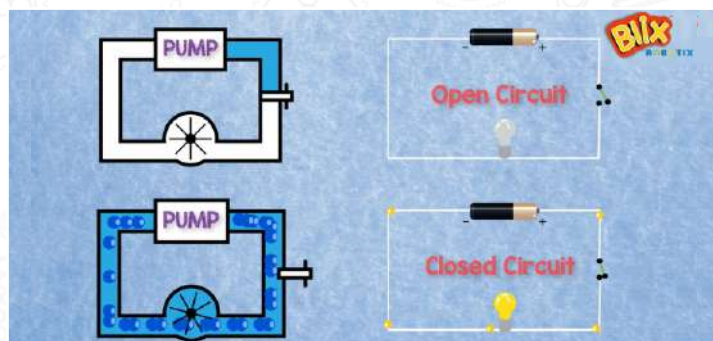
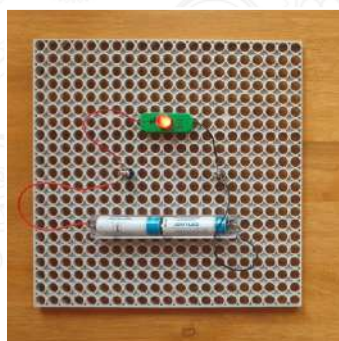
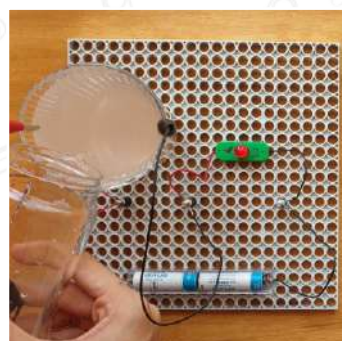


## E Circuits

Age 8+



- Experiment with LEDs, Resistors, Capacitors, Buzzers, Switches, sensors etc.
- Build circuits – Concepts like Voltage - Current, AC-DC, Parallel-Series, Conductors- Insulators, Resistance, Capacitance, Electrical power, etc.



## Logic Blocks

Age 8+

- Contains sensors, buzzers, LEDs, motors and logic blocks.
- Basics of robots and algorithms by building intelligent machines.



# BLIX BOFFIN



## BOFFIN BASIC

- Programmable kit
- Supports Block and text Based coding
- 80+ pieces
- Age 10+



## BOFFIN LITE

- Programmable kit
- Supports Block and text based coding
- 190 + pieces
- Age 10+



## BOFFIN MASTER SET

- Programmable kit
- Supports Block and text Based coding
- 600 + pieces
- Age 10+

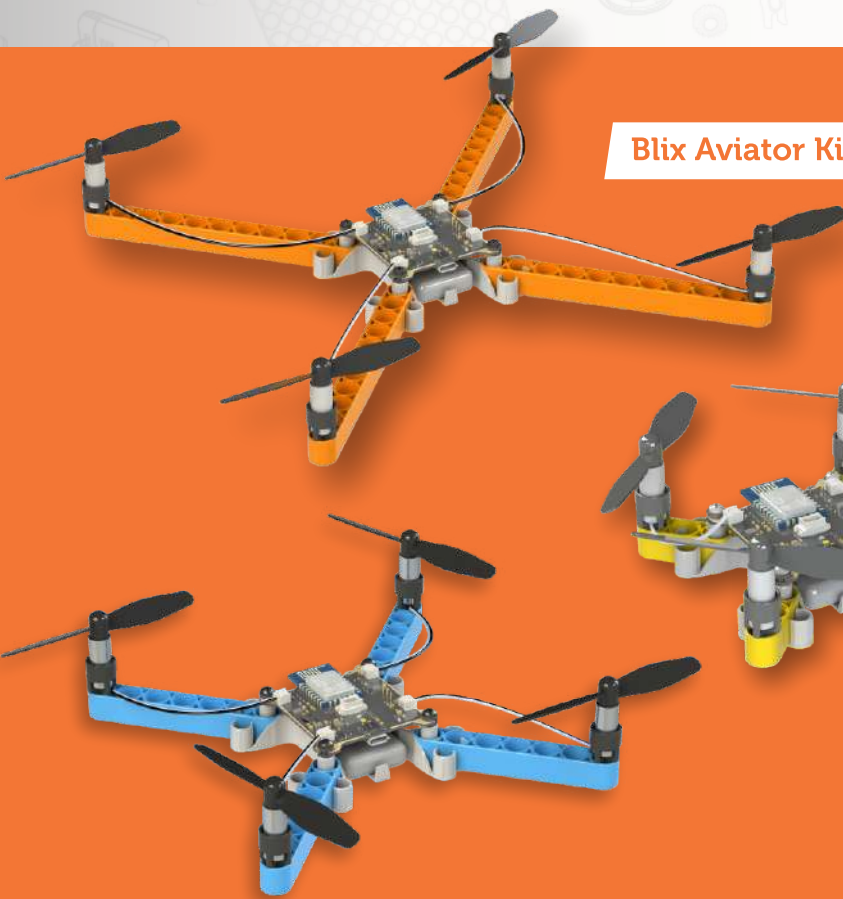


# DRONE



Blix Aviator Kit | No of Parts - 60+ | Model - 10+ | Age 14+

- 7 Programmable Experiments
- Controlled via Android and IOS
- Rebuildable drone
- Learn flight concepts



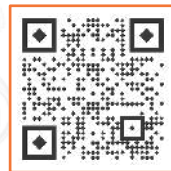
# RC EXPLORERS




- 2.4 GHZ wireless controls
- Build your own remote controlled toys
- 8+ Models
- 120+ pieces
- Age 8+



# BLIX EDUCATOR SET



Product	Images	Learning Outcomes	For Grades	Student Ratio
Blix Junior		Wheel and axle, friction, dexterity, fine motor skills, Ideation, coding decoding messages etc.	1-2	1:2
Junior Electronics		Making music, What is a circuit, current, conductors insulators	1-2	1:2
Marble STEM		Design of structures, force, gravity, speed, momentum, probability.	1-2, 3-5	1:2
Discovering Electricity		Current-Voltage, Series-Parallel, Ac-DC, Conductors Insulators Electrical power, resistance, capacitance)	3-5	1:2
Discovering Electronics		Digital electronics, Analog electronics, current, voltage, logic gates, ICS	6-8	1:2
Discovering Motions		Motions, types of motions, conversion of motions. Concepts of Energy, Force, Power, Work done, simple machines, mechanisms, mechanical advantage.	3-5, 6-8	1:2
Logic Blocks		Building algorithms, learning logic, basics of robotics and smart machines, smart automation	3-5	1:2
Boffin		Block based coding, C++, Python, Robotics, Hardware Based AI, ML.	6-8	1:4

# Blix STEM Labs in Schools

Turnkey solutions for setting up STEM labs.

## Blix Robotics Sets

- Kits
- Curriculum
- Extra material for large projects, science competitions etc.



## Lab Designs

- Wall Artworks
- Tablets and cabinet designs
- Installations



## Lab Interior Execution

- Execution of tables, chairs, cabinets etc.
- Painting, Electrical, Etc.

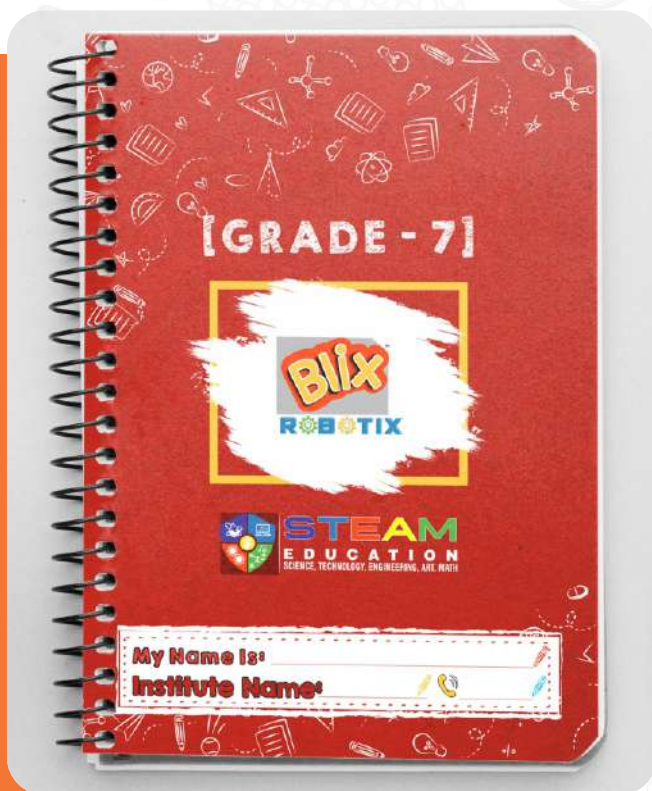


## Teacher

- TTT programs available.
- Blix teachers stationed in your school



# CURRICULUM



- Designed to match the school curriculum
- Designed for grade 1 to grade 8.
- 30 Sessions per grade.
- Designed to suit children of any grade for the first time after implementation.
- Designed for least dependence on a teacher.
- Combination of mechanical, electrical, electronics, programming and robotics projects for each grade.
- Designed for ALL students instead of the interested 5%.

# ADD ON OPTIONS

- **Mega kits:**  
Large number of parts for big projects, science competitions, exhibitions etc.
- **Drones:**  
Drones for kids who would like to explore more into robotics in aviation.
- **Installations:**  
Large & small Blix models, Gear Boards, etc.
- **Other courses:**  
For kids who wish to go deeper into in coding, robotics, AR, VR, Internet of things, 3D printing etc.
- **Aviation zone:**  
A safe netted space for kids to fly without the risk to the drone and themselves.
- **Aquatic zone:**  
A specially designed water tank for aquatic robots.
- **Maker Garage**  
3D Printer, Laser cutter, MDF sheets, Metal spares etc.





## **BLIX EDUCATION PRIVATE LIMITED**

Office:

Unit No.H-230,231,232,233, 2<sup>nd</sup> Floor Ansa Indl Premi Co-op Soc Ltd,  
Saki Vihar Road, Sakinaka, Andheri East, Mumbai - 400072

Contact Details:

Phone : +91 86579 84770 | Email : [contact@blix.in](mailto:contact@blix.in) | Website : [blix.in](http://blix.in)

Date : 16<sup>th</sup> Sept 2023

### **Social Media**

**f** [blix.robotix](https://www.facebook.com/blix.robotix)

**@** [blix.robotix](https://www.instagram.com/blix.robotix)

**in** [Blix Education](https://www.linkedin.com/company/blix-education)

**▶** [Blix Robotix](https://www.youtube.com/channel/UC...)