

Introduction

RND PRODUCTS - As a Global quality product manufacturing company, we connect kids to the real electronics and science, and offers MADE IN INDIA simple electronic educational projects at competitive prices and trying to reduce the import of Chinese toys.



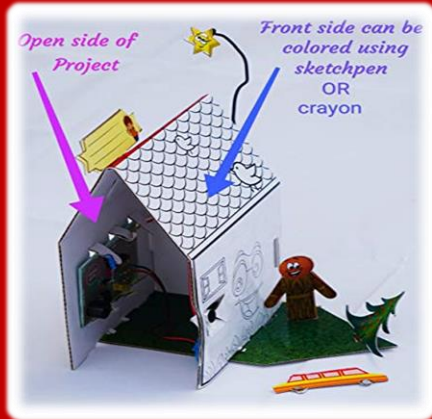
***ELECTRONIC SCIENCE KIT
EDUCATIONAL PROJECTS
TEACHING AID
SCHOOL PROJECTS
MANUFACTURER AND WHOLESALE
SUPPLIER***

Our product line :



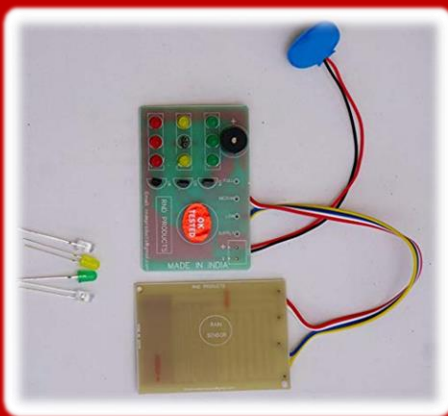
1. Water Level Indicator – Understand the operation of Transistor (MRP Rs. 389)

You Video Link - <https://youtu.be/vG2aOS8gssw>



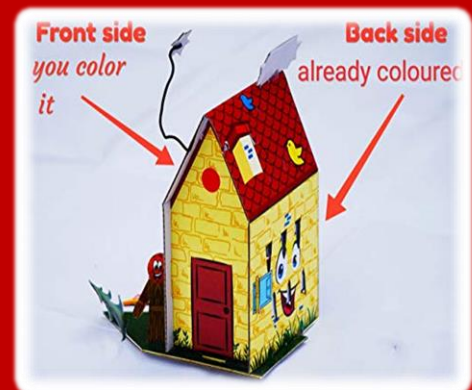
2. Clap Switch – Understand the operation of Microphone / Mic (MRP Rs. 389)

You Video Link - <https://youtu.be/o72LFtDrd8>



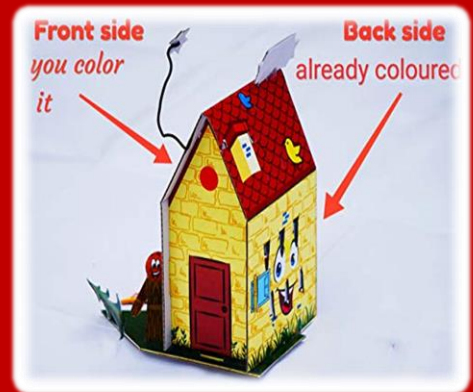
3. Rain Sensor - Understand the operation of sensitivity of Transistor (MRP Rs. 389)

You Video Link - <https://youtu.be/oWIGwcLA3sA>



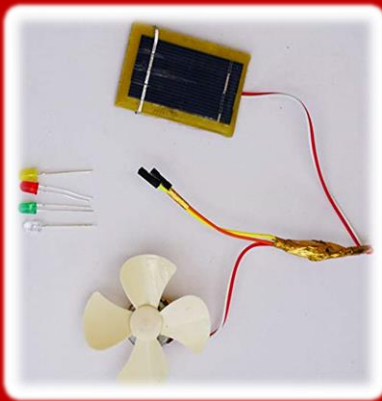
4. Home Security System – Understand the operation of IR LED / Sensor (MRP Rs. 389)

You Video Link - <https://youtu.be/5iYksiyJVNY>



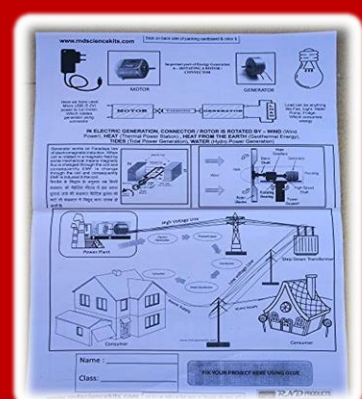
5. Fire Alarm - Understand the operation of Thermistor Mic (MRP Rs. 389)

You Video Link - <https://youtu.be/Pb1rYLBtXXY>



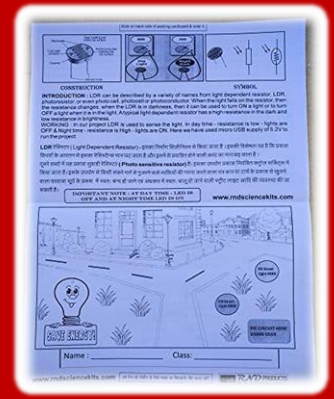
6. Solar House - Understand the operation of Solar Cell for load like Motor & Light (MRP Rs. 389)

You Video Link - <https://youtu.be/oWIGwcLA3sA>



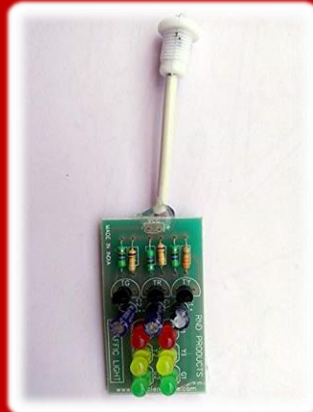
7. Generator Motor – Understand the operation of generator Mic (MRP Rs. 249)

You Video Link - <https://youtu.be/GsWCVLk8j5E>



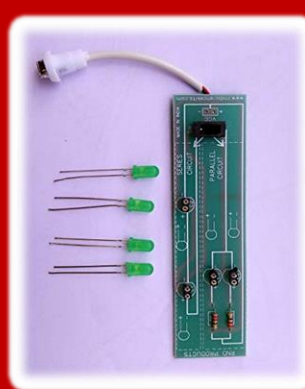
8. Street Light - Understand the operation of LDR (Light dependent resistor) (MRP Rs. 249)

You Video Link - <https://youtu.be/VLXoNnJnRSM>



9. Traffic Signal - Understand the operation transistor and capacitor (MRP Rs. 249)

You Video Link - <https://youtu.be/4fR0yhp5IE>



10. Series and parallel - Understand the operation of Series and parallel load (MRP Rs. 249)

You Video Link - <https://youtu.be/W WE0eLrigg>



11. IR Sensor – Light detection by IR LED (MRP Rs. 249)

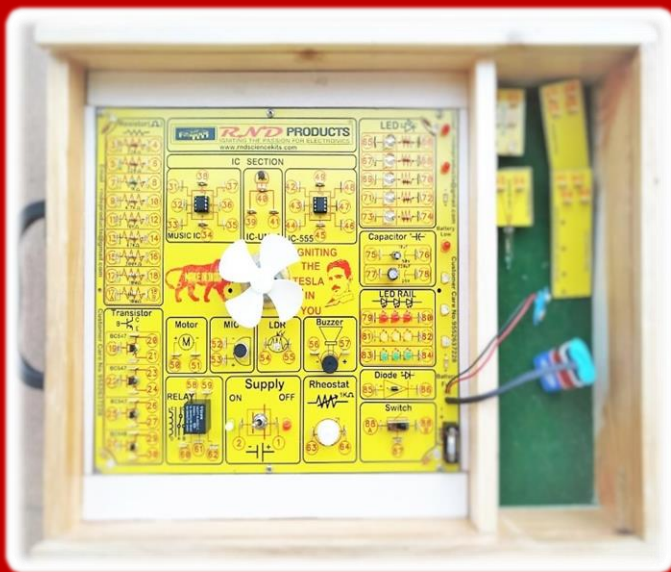
You Video Link - <https://youtu.be/nCBt9EC5xRM>



12. Solar Fan - Understand the operation of Solar Cell for load like Motor. (MRP Rs. 249)

You Video Link - <https://youtu.be/btGfcx755zM>





15 Toggle between two LED's using manual switch

OBSERVATION :
(Note : Resistor connected to LED not shown in circuit. Make the connections as shown in circuit diagram. Move the switch to toggle between two LEDs. Any one LED will glow at a time.)

APPLICATION :
Lightings used at steps to toggle the lights between ground floor and first floor.

LEARNING :
Here the switch used is a two way switch.

Actual Photo

Connection

Sr. No.	Name of Component	Symbol	Actual Picture
1	Resistor		
2	LED		
3	Diode		
4	Transistor		
5	Capacitor		
6	IR Tx Rx		
7	Switch		

Sr. No.	Name of Component	Symbol	Actual Picture
8	LDR		
9	Microphone		
10	Buzzer		
11	DC Motor		
12	Relay		
13	Rheostat / Pot		
14	Fire Sensor		
15	IC		

it's okay to not know.

it's not okay to not try.

The expert in anything was once a beginner

Author

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- Prof. Roshni N. Sathawane [B.Tech., M.Tech.(Computer Technology)]

*In loving memory of my Father
Late Shri Subhashchandra M. Sathawane.*

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PART - A DEVELOPING SCIENTIST IN YOU

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13. RND 99 IN 1 CREATIVE BOX - MRP Rs.5999

- * 100+ working Projects in one kit.
- * 9 different complexities for class 1 to 9 respectively.
- * Each project comes with Observation, Application & Learning.
- * Picture and Video for quick assembly along with 230 page colored manual.
- * Guarantee of working of each project or 100% replacement.
- * Understand basic electronic components like Resistor, Transistor, Capacitor, relay, LDR, LED, Microphone, Siren, DC Motor, Different IC's, Switch, Potentiometer, Diode, etc.
- * Specially Manufactured for Hobbyist, creative students & school supply.



PREMIUM PACKING

14. Water Level Indicator – Understand the operation of Transistor (MRP Rs. 570)

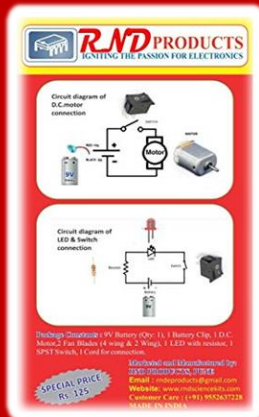
15. Clap Switch/Sound Pollution detection kit – Understand the operation of Microphone / Mic (MRP Rs. 570)

16. Rain Sensor - Understand the operation of sensitivity of Transistor (MRP Rs. 570)

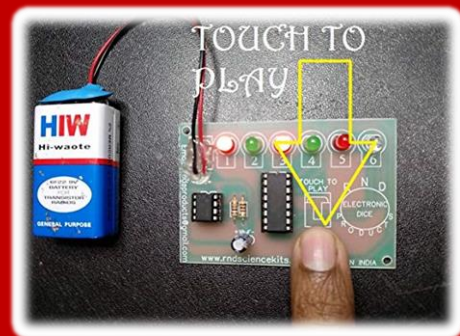
17. Home Security System – Understand the operation of IR LED / Sensor (MRP Rs. 570)

18. Fire Alarm - Understand the operation of Thermistor Mic (MRP Rs. 570)

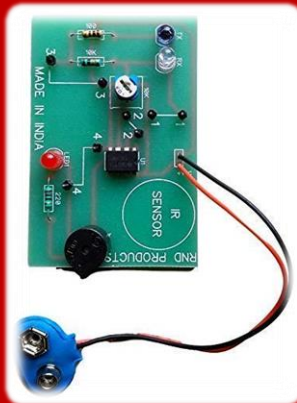
19. Solar Home - Understand the operation of Solar Cell for load like Motor & Light (MRP Rs. 570)



20. Basics of Electronics – Understand how to connect load (MRP Rs. 125)



21. Digital Dice – Enjoy playing Ludo / Snake Ladder digitally (MRP Rs. 499)



22. High complex IR Kit – Understand IR sensor using POT sensitivity variation (MRP Rs.400)

Search - “RND PRODUCTS” for watching direct video in YOU TUBE

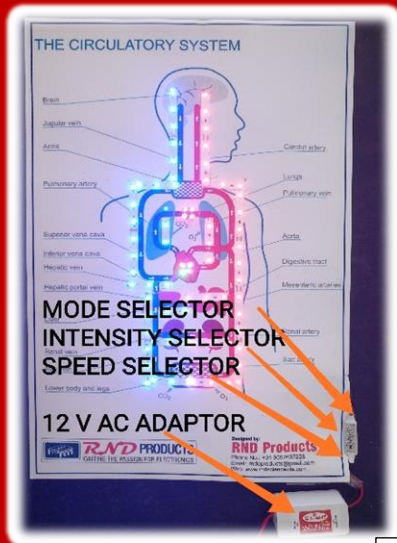
Search - “RND PRODUCTS” for searching product on Amazon.in

You Tube



Search **RND PRODUCTS**
– For video

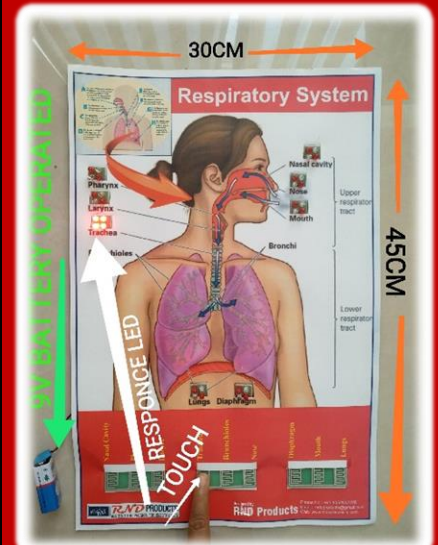
OR click link from description
OR visit www.rndsciencekits.com



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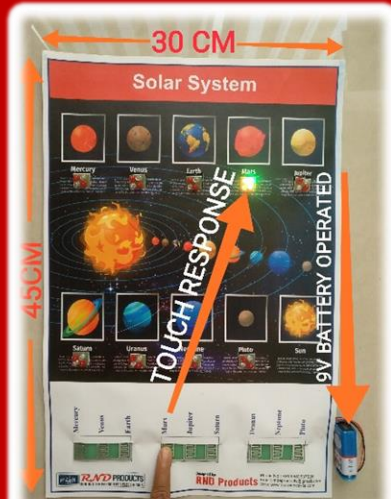
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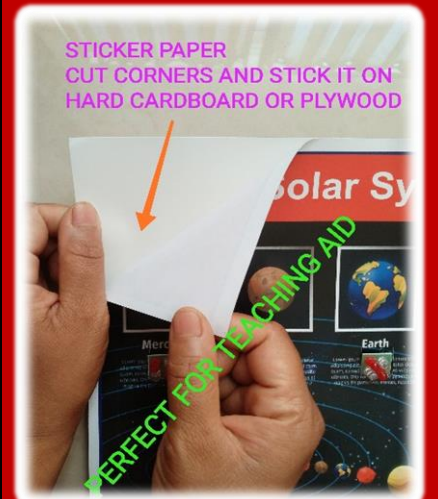
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27



TEACHING AID – STICK IT ON HARD CARDBOARD (MRP RS. 999)

23. Blood Flow System / Heart functioning – With flow regulator/ Rhythm changer (45X30 CM)

24. Human Digestive System – With touch plate and sticker paper (45X30 CM)

25. Respiratory System - With touch plate and sticker paper (45X30 CM)

26. Water Cycle - With touch plate and sticker paper (45X30 CM)

27. Solar System - With touch plate and sticker paper (45X30 CM)



28. AUTOMATIC WATER FOR PLANT – Understand the operation of relay (MRP Rs. 599)

ALL PROJECT DETAILS WITH DESCRIPTION

Product code	Product name	Science kit Description	MRP
1001	RND PRODUCTS - Water Level Indicator School Science Project Model Making DIY Kit Science Educational Game	Science kit - Water Level Indicator Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation. 1.Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/vG2aOS8gssw " OR search "RND PRODUCTS" in You Tube search window for video.	389
1002	RND PRODUCTS - Clap Switch School Science Project Model Making DIY Kit Science Educational Game	Science kit - Clap Switch Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1.Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/o72LFfTdRd8 " OR search "RND PRODUCTS" in You Tube search window for video.	389
1003	RND PRODUCTS - Rain Indicator School Science Project Model Making DIY Kit Science Educational Game	Science kit - Rain Sensor Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1.Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/GDQrFM_XLLM " OR search "RND PRODUCTS" in You Tube search window for video.	389
1004	RND PRODUCTS - Home Security IR School Science Project Model Making DIY Kit Science Educational Game	Science kit - Home Security Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1.Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/5iYksiyJVNY " OR search "RND PRODUCTS" in You Tube search window for video.	389
1005	RND PRODUCTS - Fire Alarm School Science Project Model Making DIY Kit Science Educational Game	Science kit - Fire Alarm Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1.Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/Pb1rYLBttxY " OR search "RND PRODUCTS" in you tube search window for video.	389

1006	RND PRODUCTS - Solar Fan with Light School Science Project Model Making DIY Kit Science Educational Game	Science kit - High quality Solar Panel with DC Motor Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation. 1.Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project.	389
1007	RND PRODUCTS - Basic Generator Motor Concept School Science Project Model Making DIY Kit Science Educational Game	# Understand clearly the Generator Motor Concept # Assemble project and submit it in school for project competition # Complete description and relevant image for drawing is given in packing # Use Mobile charger / Power bank for supply # Project can be used for Concept Description, Project Competition, School Project Assignment # Do it yourself self-explanatory Science kit for students of Class 1 to 12 # Link for you tube video : https://youtu.be/GsWCVLk8j5E OR search RND PRODUCTS in You Tube	249
1008	RND PRODUCTS - Automatic Street Light School Science Project Model Making DIY Kit Science Educational Game	# Understand clearly the working of Automatic Street Light (LDR) # Assemble project and submit it in school for project competition # Complete description and relevant image for drawing is given in packing # Use Mobile charger / Power bank for supply # Project can be used for Concept Description, Project Competition, School Project Assignment # Do it yourself self-explanatory Science kit for students of Class 1 to 12 # Search RND PRODUCTS in youtube for video OR link : https://youtu.be/VLXoNnJnRSM # For more details visit our website www.rndsciencekits.com	249
1009	RND PRODUCTS - Basic Traffic Signal School Science Project Model Making DIY Kit Science Educational Game	# Understand clearly the working of Traffic light simulator # Assemble project and submit it in school for project competition # Complete description and relevant image for drawing is given in packing # Use Mobile charger / Power bank for supply # Project can be used for Concept Description, Project Competition, School Project Assignment # Do it yourself self-explanatory Science kit for students of Class 1 to 12 # Search RND PRODUCTS in youtube for video OR Link : https://youtu.be/4fR0yhp5IE # For more details visit our website www.rndsciencekits.com	249
1010	RND PRODUCTS - Series and Parallel Concept School Science Project Model Making DIY Kit Science Educational Game	# Understand clearly the Series and Parallel Concept # Assemble project and submit it in school for project competition # Complete description and relevant image for drawing is given in packing # Use Mobile charger / Power bank for supply # Project can be used for Concept Description, Project Competition, School Project Assignment # Do it yourself self-explanatory Science kit for students of Class 1 to 12 # For more details visit our website www.rndsciencekits.com # Link for you tube video : https://youtu.be/W_WE0eLrigg OR # Search RND PRODUCTS in youtube for video	249
1011	RND PRODUCTS - Basic Home security / Burgler Alarm School Science Project Model Making DIY Kit Science Educational Game	# Understand clearly the working of IR Sensor Kit # Assemble project and submit it in school for project competition # Complete description and relevant image for drawing is given in packing # Use Mobile charger / Power bank for supply # Project can be used for Concept Description, Project Competition, School Project Assignment # Do it yourself self-explanatory Science kit for students of Class 1 to 12 # Search RND PRODUCTS in youtube for video OR Link : https://youtu.be/nCBt9EC5xRM # For more details visit our website www.rndsciencekits.com	249
1012	RND PRODUCTS - Basic Solar Fan Concept School Science Project Model Making DIY Kit Science Educational Game	# Understand clearly the working of Solar Fan (Solar Energy) # Assemble project and submit it in school for project competition # Complete description and relevant image for drawing is given in packing # Project can be used for Concept Description, Project Competition, School Project Assignment # Do it yourself self-explanatory Science kit for students of Class 1 to 12 # For more details visit our website www.rndsciencekits.com # Link for you tube video : https://youtu.be/btGfcx755zM OR # Search RND PRODUCTS in YouTube for video	249
1013	RND PRODUCTS - 99 in 1 Educational Creative Box	* 100+ working Projects in one kit. * 9 different complexities for class 1 to 9 respectively. * Each project comes with Observation, Application & Learning (230 page colored Manual Included). * Picture and Video for quick assembly.	249

		<p>* Gaurentee of working of each project or 100% replacement.</p> <p>* Understand basic electronic components like Resistor, Transistor, Capacitor, relay, LDR, LED, Microphone, Siren, DC Motor, Different IC's, Switch, Potentiometer, Diode etc.</p> <p>* Specially Manufactured for creative students & Schools supply.</p> <p>* For more details contact on (+91)9595497402</p>	
1014	RND PRODUCTS Premium- Water Level Indicator School Science Project Model Making DIY Kit Science Educational Game	Science kit - Water Level Indicator Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation. 1. Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/vG2aOS8gssw " OR search "RND PRODUCTS" in You Tube search window for video.	570
1015	RND PRODUCTS Premium - Clap Switch School Science Project Model Making DIY Kit Science Educational Game	Science kit - Clap Switch Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1. Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/o72LFfTdRd8 " OR search "RND PRODUCTS" in You Tube search window for video.	570
1016	RND PRODUCTS Premium - Rain Indicator School Science Project Model Making DIY Kit Science Educational Game	Science kit - Rain Sensor Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1. Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/GDQrFM_XLLM " OR search "RND PRODUCTS" in You Tube search window for video.	570
1017	RND PRODUCTS Premium - Home Security IR School Science Project Model Making DIY Kit Science Educational Game	Science kit - Home Security Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1. Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/5iYksiyJVNY " OR search "RND PRODUCTS" in You Tube search window for video.	570
1018	RND PRODUCTS Premium - Fire Alarm School Science Project Model Making DIY Kit Science Educational Game	Science kit - Fire Alarm Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1. Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. Video Link : " https://youtu.be/Pb1rYLBtxxY " OR search "RND PRODUCTS" in you tube search window for video.	570
1019	RND PRODUCTS Premium - Solar Fan with Light School Science Project Model Making DIY Kit Science Educational Game	Science kit - High quality Solar Panel with DC Motor Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation. 1. Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED / Capacitor, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project.	570
1020	RND PRODUCTS DIY Science Hobby project Kit DC Motor with Fan (Multicolour)	Science Project Kit: 2 Fan Blades with 1 DC Motor, 1 LED, 1 SPST Switch, 100mm connecting wire and 1 battery with clip	125
1021	RND PRODUCTS Electronic Dice	Touch Electronic Dice Kit	399
1022	RND PRODUCTS Variable IR Kit	One IR variable range IR Kit	399

1023	RND PRODUCTS Human Blood Flow System	Human Blood Flow System / Heart Functioning LED Blue and RED simulation. Operated on 12V Adaptor. Mode and intensity changing regulator attached. Sticker paper- Stick it on hard cardboard or plywood. Best as teaching aid.	999
1024	RND PRODUCTS Human Digestive System	Teaching Aid - Human Digestive System. Operated on 9V Battery. 9 Touch pads and respective indication LED's. Sticker paper- Stick it on hard cardboard or plywood. Best as teaching aid.	999
1025	RND PRODUCTS Human Respiratory System	Teaching Aid - Human Respiratory System. Operated on 9V Battery. 9 Touch pads and respective indication LED's. Sticker paper- Stick it on hard cardboard or plywood. Best as teaching aid.	999
1026	RND PRODUCTS Water Cycle	Teaching Aid - Water Cycle. Operated on 9V Battery. 9 Touch pads and respective indication LED's. Sticker paper- Stick it on hard cardboard or plywood. Best as teaching aid.	999
1027	RND PRODUCTS Solar System	Teaching Aid - Solar System. Operated on 9V Battery. 9 Touch pads and respective indication LED's. Sticker paper- Stick it on hard cardboard or plywood. Best as teaching aid.	999
1028	RND PRODUCTS Automatic water for plants	Science kit - Automatic water for plant Kit with 3D puzzle fine cardboard project & Extra Different colored LED's for Innovation 1. Color your home / fill the color in outlines. (Home can be recolored if sketch pen is used) 2. One can color the complete project from reverse side. 3. Connector for LED, Match the polarity +ve/-ve. After attachment the circuit will be fully operational. 4. Follow the Instructions to assemble project. For more details visit website "www.rndsciencekits.com"	599

For more information contact:

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