POOJA’S SCHOOL LEVEL SCIENCE PROJECTS

**st**

**N0-12, Srilakshmi Nagar 2nd Cross Street, Behind White Palace, Vinayakapuram, Kolathur, Chennai-600 099.**

**CONTACT: 9380809788, (044) 4868 3053, E-MAIL:** **ssmicrotekrobotics@gmail.com**

# PROJECT LIST 2021

|  |  |  |  |
| --- | --- | --- | --- |
| ***Simple Projects & Exhibition Projects:***1. **Simple Wind mill**
2. **Simple water turbine model**
3. **Hydropower House**
4. **Simple Solar house**
5. **Wind energy house**
6. **wind city model**
7. **wind village model**

**08.Wind + Solar energy based house 09.Solar city model**1. **Solar/wind village**
2. **Solar street light**
3. **Solar village model**
4. **Energy from speed breaker**
5. **Vegetable/Salt battery**
6. **Fire alarm safety house**
7. **Earth quake alarm safety house**
8. **Burglar/Theft Alarm safety house**
9. **Rain alarm safety**
10. **Sound detector safety house**
11. **Automatic Water level controller**
12. **Automatic water level indicator**
13. **Rain water Harvesting**
14. **Automatic street light**
15. **Automatic street light dimmer**
16. **2 in 1 model**
17. **3 in 1 model**
18. **4 in 1 model**
19. **Solar system**
20. **Solar/Lunar Eclipse**
21. **Hand operated generator**
22. **Hand operated generator Glow Bulb**
23. **Accident preventing – Train**
24. **Accident preventing – bus**
25. **Solar Train**
26. **Solar bus**
27. **Automatic light in city houses**
28. **Control home appliances using cell phone**
29. **Control home appliances using W/L remote**
 | 1. **Automatic Street Light & Sound sensed house lights**
2. **Garden with automatic light**
3. **Garden with solar lights**
4. **Garden with wind mill lights**
5. **House with garden**
6. **Botanical Garden**
7. **House & Garden Solar energy lights**
8. **House & Garden Wind energy lights**
9. **Drip Irrigation Model (Simple/Cellphone ctrl/remote)**
10. **Irrigation (Simple/Cellphone ctrl/ Remote)**
11. **Industry on Solar Energy**
12. **Industry on Wind Energy**
13. **Industry on Green Energy (Wind & Solar)**
14. **Industry waste in village**
15. **Destroy the industry smoke**
16. **School on Green Energy (Solar/Wind)**
17. **School on Green Energy & Safety**
18. **School Fire accident safety**
19. **Office on green energy (Solar/Wind)**
20. **Wireless power transmission Street lights**
21. **Wireless power transmission house**

**lights**1. **Password based house door opening.**
2. **Avoid one more Tamil Nadu Express accident**
3. **ECO Friendly House**
4. **White Revolution**
5. **Dam working model**
6. **Dam non working model**
7. **Temple models**
8. **Electric Bell model kit**
9. **DC Motor model kit**
10. **Motor model kit**
11. **House door sensitive sound**
 | 1. **Automatic railway level crossing control**
2. **Hydraulic Lift**
3. **Hydraulic Bridge**
4. **Solar Vehicle**

.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* .**Innovative Science Fair Working Models** 1. **Remote controlled robotic ploughing**
2. **Automatic plant watering system.**
3. **Automatic elephant driving system in the agriculture fields.**
4. **Pollution control system for industries**
5. **Saving environment using trees & green energy.**
6. **Earthquake protected house.**
7. **Conservation of electrical energy using energy efficient real time fans &**

**tube lights with automatic inverter-less operation. (With or without solar panel optional).**1. **Autonomous Hotel waiter robot.**
2. **Cell-phone controlled irrigation automation.**
3. **Automatic street light energy saver**

**automation.**1. **Green energy by using bullocks.**
2. **Green Energy from Mechanical arrangement of speed breakers.**
3. **Automatic speed slowing down system of vehicles in school areas.**
4. **Windmill cell-phone charger working model**
5. **Solar cell-phone charger working**

**model.**1. **Domestic Hydro Power generator working model.**
2. **Carbon-dioxide & carbon monoxide pollution control system.**
 | 1. **SMS switch on/off control for your air conditioner.**
2. **SMS alert of elephants in the field.**
3. **SMS alert for fire & burglary.**
4. **SMS alert system during vehicle accidents.**
5. **Sea border alert system for fisherman.**
6. **Secret password calling bell for housewives.**
7. **LPG gas leak control system using gas valves to prevent gas hazards.**
8. **Camera & password based electromagnetic locker system to identify the burglar.**
9. **Electronic letter box.**
10. **Bomb handling robot with bomb detection.**

.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*.**INNOVATIVE (2):**1. **Modern Agriculture**
2. **Automatic Irrigation System**
3. **Irrigation via Remote**
4. **Irrigation via Mobile phone**
5. **Drip Irrigation model**
6. **Water Turbine power generation**

**and irrigation**1. **Solar Irrigation**
2. **Motor Principle**
3. **Generator Principle**
4. **Mini Pick n Place robo \* (new)**
5. **Cellphone Controlled Robo\***
6. **Multi Function Robo\***
7. **Simple Hover Craft**
 |

## Communication Projects:

1. **RF based communication( Wireless voice transmission)**
2. **laser or infrared light based communication( Transmission of voice through light)**
3. **RF communication**
4. **TV communication. (Mini wireless TV station)**
5. **Telephone wired communication (Intercom). 06.GSM communication**
6. **Tsunami warning system using wireless**

## Biology projects model:

* 1. **Heart model**
	2. **Eye model**
	3. **Kidney model**
	4. **Brain model**
	5. **Ear model**
	6. **Urinary System**
	7. **Blood Circulation in human body**
	8. **Lungs**
	9. **Plant cell**

# Branded Robotics Kits: (DIY)

* + 1. **Copter Mech**
1. **Line Tracking Mouse**
2. **Solar Bug**
3. **Solar Walking Robo**
4. **Scrab Robo**
5. **Sola robo**
6. **Robo Battle**
7. **Mini bots**
8. **Lady Bug**
9. **Escape**
10. **Space9**
11. **Solar Frog**
12. **Cable Car**
13. **Solar F1 Car**
14. **Climbing Monkey**
15. **6 in 1 kit**
16. **Electromagnetic Kit**
17. **Young Scientist**
18. **Solar Robo kit 20.3D Puzzles 21.New solar kit 6 in 1 22.Solar**

**Stallion 3 in 1**

**23.Robot kit 6 in 1**

24.3 in 1 Solar Educational DIY Kit

25.6 in 1 Solar Educational DIY Kit

1. **Titan Tank**
2. **Solar Spider**
3. **Bot Ball**
4. **Solar Astronaut**
5. **Magnet set**
6. **Balloon helicopter**
7. **Balloon car33. Rubber powered airplane**
8. **NEW 6 IN 1 DIY KIT**
9. **7 IN 1 KIT 36.SPY KIT**

## Robotics Projects:

1. **Line Following robot**
2. **Line Following Robot (Non Programmable) 03.Multi Function Robo ( Sound, Remote, Light, Obstacle, Line following operated) 04.Small Magnetic Crane**

05.Pick & Place Robot 06.Mini House Cleaning Robot 07.Remote Robo

**08.Remote Robo with Metal Detector 09.Remote robo with Obstacle 10.Remote robo with Pouring Water 11.Remote Robo Water Your Garden 12.Helper Robo**

**13.Cell phone operated robo 14.Intelligence light robo 15.Bomb detecting robo**

|  |  |
| --- | --- |
| ***DO IT YOUR SELF KITS:*** | ***Ready KITS:*** |
| **1.** | **Solar kit** | **1.** | **FM Station** |
| **2. Wind kit** | **2. Metal Detector** |
| **3. Ohms law kit** | **3. Two digit counter kit** |
| **4.** | **Parallel and series kit** | **4.** | **Burglar alarm kit** |
| **5.** | **Two digit counter kit** | **5.** | **Blind man’s eye kit** |
| **6.** | **Burglar alarm kit** | **6.** | **Touch alarm kit** |
| **7.** | **Blind man’s eye kit** | **7.** | **Heart beat sensor kit** |
| **8.** | **Touch alarm kit** | **8.** | **Temperature ctrl fan kit** |
| **9.** | **Heart beat sensor kit** | **9.** | **3way gate alarm kit** |
| **10.Temperature ctrl fan kit** | **10.** | **Earth quake alarm kit** |
| **11.3way gate alarm kit** | **11.** | **Hearing aid kit** |
| **12.Earth quake alarm kit** | **12. Gas sensor kit** |
| **13.Hearing aid kit** | **13.** | **Smoke sensor kit** |
| **14.Gas sensor kit** | **14.** | **Multi tone siren kit** |
| **15.Smoke sensor kit** | **15.** | **Flasher kit** |
| **16.Multi tone siren kit** | **16.** | **Intercom kit** |
| **17.Flasher kit** | **17.** | **PIR security alarm kit** |
| **18. Intercom kit** | **18. Voice thru IR 1& 2** |
| **19.PIR security alarm kit** | **19.** | **Light sensor robo kit +** |
| **20.Voice thru IR 1& 2** | **Robo kit** |
| **21.Light sensor robo kit +** | **20.** | **Light dimmer kit** |
| **21.Robo kit** | **21.** | **Traffic light kit** |
| **22.Light dimmer kit** | **22.** | **Running light kit** |
| **23.Traffic light kit** | **23.** | **Water level indicator kit** |
| **24.Running light kit** | **24.** | **Fire alarm kit** |
| **25.Water level indicator** | **25.** | **Street light kit** |
| **kit 26.Fire alarm kit** | **26.** | **Rain alarm kit** |
| **27.Street light kit 28.Rain** | **27.** | **Variable power supply** |
| **alarm kit 29.Variable** | **28.** | **Gate alarm kit** |
| **power supply 30.Gate** | **29.** | **Solar charger kit** |
| **alarm kit 31.Solar** | **30. Wireless power transmission** |
| **charger kit** | **31. Metal Detector** |
| **32. Solar Sound Kit** | **.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*.** |

1. **Hi –WIND KIT**
2. **Hi-Solar Sound Kit**
3. **Super Solar Fan Kit**
4. **Air(Wind) Sound & Light Kit**

.\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*.

# LIKE ON FACEBOOK: [www.facebook.com/schoollevelscienceprojects/](http://www.facebook.com/schoollevelscienceprojects/) Website: https://[www.schoollevelscienceprojects.weebly.com/](http://www.schoollevelscienceprojects.weebly.com/)

**GO GREEN! DOWNLOAD OUR PROJECT LIST FROM OUR WEBSITE ON YOUR PC/MOBILE.**