

Start Tinkering Today with our best  
and professional teachers





## What is a 3D world?

- 3D includes the design and development of 3d models with the help of 3d CAD software. Our main motive is to focus on real-time problem-solving and make real-time innovative products.

Class	Project / Activity	Understanding/leaning
1	Introduction to 3D World technology	Shape identification with real-life scenes
2	Key chain	Alphabet orientation
3	Dice	Shape orientation
4	Penguin	Cartoons design basic understanding
5	Robotic car	Robotics design basics

## What is Scratch?

- Scratch is block coding software for students which students use to learn for making video games and understand the basics of coding.

6	Basic block intro	Understanding the block basics
7	Talking calculator	Understanding the graphic interfacing
8	Jumping game	Understanding movement and locomotion
9	Space race	Understanding gaming concepts
10	Galaxy war	Understanding screen shifting
11	Super ninja fighting	Elimination concepts in gaming



12	Super corona fighter	Understanding looping in gaming
13	Bubble blaster	Understanding matrix method
14	Flying fish	Understand coordinate geometry
15	Ludo master	Logic building with mathematics

## WHAT IS APP DEVELOPMENT

- App development is the learning of the development of a mobile application. It also involves the understanding of the basics and concepts behind the development of an app. It helps students to develop logic and conceptual-based learning.

16	Introduction to app inventor and create magic button	Understanding the basics of app development
17	App Installation on phone	Basic the installation
18	Make your camera	Camera opening basic in the app
19	Turn on and off the torch	Torch controlling using the app
20	Make your WEB application	Understanding the web application development
21	Bouncing balls	Basic GUI understanding
22	Voice-activated app	Voice activation understanding
23	Barcode scanner	Barcode scanning features understanding



24	Calculator	Mathematical operation in application
25	Car game	Movement and screen shifting basics
26	Language Translator	Language in apps methodology
27	Stopwatch	Time switching
28	Taking online attendance	Counter methods for counting

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## NOW YOUR ARDUINO

- Arduino is open-source hardware, which is used by students to make advanced robotics projects. It empowers students with STEM-based learning.

29	Introduction to Tinker cad	About the simulation tool testing
30	Component identification and use	Components and their uses
31	Circuits linking with Led Blink with switch	Basic of the circuits and switching
32	Series parallel, multiple LED switching	Electrical connection basics
33	Home light & fan arrangement system	The light fitting is basic in the industry
34	Magical resistance switch	Resistance concepts and use
35	Introduction to robotics and Arduino coding	Robotics basic and Arduino coding
36	Traffic lights and Smart police sirens with light	Traffic light concepts



37	Smart dustbin	Smart devices basics
38	Smart kitchen safety device	Smart safety devices
39	Smart sanitization machine	Smart mechanical devices
40	Smart Door System	The smart actuator system mechanism
41	Smart street Light	Light mechanism working for smart devices
42	The smart street light alert system	Real smart light mechanism working
43	Smart Door Security	Security system for door
44	Remote control car	Remote control basic and networking
45	The robotic police car with siren	Robotics basics