**Program Name: STEM Fundamentals and Simple Machines**

**Grades Applicable:** Grade: 1 and 2

**Fee:** Rs 10000/‐ (Includes cost of Take Home STEM kit and delivery charges)

**No of sessions:** 24

**Total Projects: 12-15**

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/tinkRbox%20Year%20long%20program/STEM%20Fundamentals%20and%20Simple%20machines)

**Happy To Help:** 77770 54033 / 77770 54233

**Grades 1 & 2 – STEM Fundamentals and Simple Machines**

**Program Highlights**

**▪** Introduces students to the basic concepts of engineering, science and Maths through

practical projects, with help of interactive media like PPT videos gif’s, quizzes and activities.

▪ Children explore STEM concepts by carrying out simple interesting projects, in a safe,

hands-on and exploratory manner.

**Learning Targets**

|  |  |
| --- | --- |
| * STEM Fundamentals course provides an ideal   first step in the introduction to STEM education. |  |
| * Enhances understanding of modern day   technology and its applications |
| * Increases Curiosity and understanding of how   thing function in real life. |
| * Design and make things for different purposes |
| * Explore and execute ideas |

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/tinkRbox%20Year%20long%20program/STEM%20Fundamentals%20and%20Simple%20machines)

**Program Name: Electrics and Circuits**

**Grades Applicable:** Grade: 3

**Fee:** Rs 10000/‐ (Includes cost of Take Home Electrics kit and delivery charges)

**No of sessions:** 24

**Total Projects: 16**

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/tinkRbox%20Year%20long%20program/Electrics%20and%20Circuits)

**Happy To Help:** 77770 54033 / 77770 54233

**Grade 3 - Electrics and Circuits**

**Program Highlights**

|  |  |
| --- | --- |
| * An innovative and education based program designed to teach children the basic principles of electricity and electronics in a fun way. * Children can explore electronics and electricity,   by designing virtual and physical circuits and see the live working of the various components and application based circuits. |  |

**Learning Targets**

* Learn about electric circuits(series and parallel)
* Find out about AND /OR gates
* Learn about and use different types of switches
* Learn basics of Resistors, LED, Capacitor &Photo resistor
* Create Electronic Games and Alarms

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/tinkRbox%20Year%20long%20program/Electrics%20and%20Circuits)

**Program Name: Arduino Programming**

**Grades Applicable:** Grade: 6

**Fee:** Rs 10000/‐ (Includes cost of Take Home Arduino kit and delivery charges)

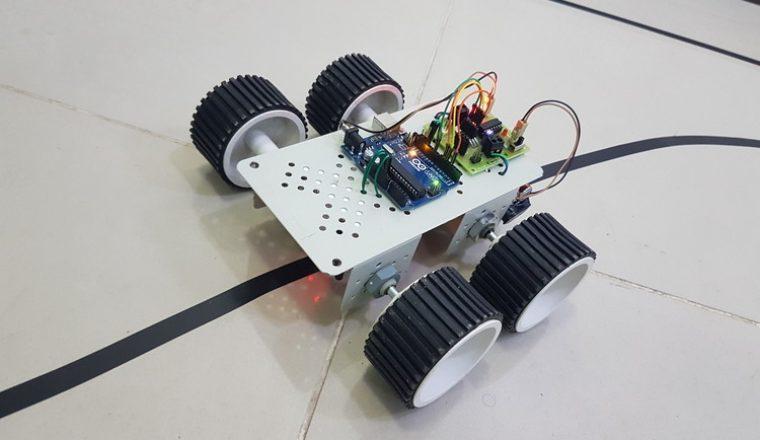
**No of sessions:** 24

**Total Projects: 12**

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/tinkRbox%20Year%20long%20program/Arduino%20Programming)

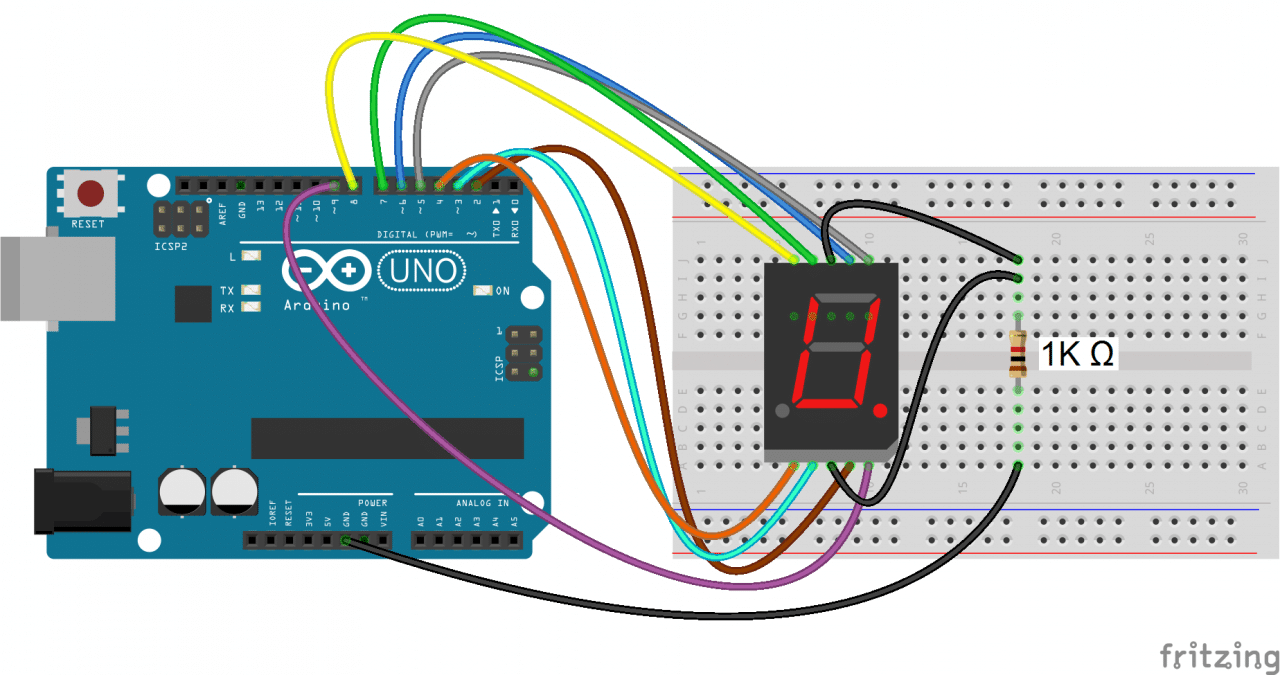
**Happy To Help:** 77770 54033 / 77770 54233

**Grade 6+ – Arduino Programming**

**Program Highlights**

* Arduino is an open-source electronics platform based on easy-to-use hardware and software.
* It is a program that integrates all aspects of STEM education.
* It's intended for anyone making interactive electronic projects and robots.
* It introduces kids to Electricity and Electronics, Coding and Robotics.

**Learning Targets**



* Learn Electronics using Arduino, an open-source electronics platform based on easy-to-use hardware and software, along with introduction to various sensors helping them build and program their own robot.
* Introduction to coding using C++ programming
* Learn how to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, publishing something online.
* Learn different electronic components and the way it can be programmed through Arduino IDE.

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/tinkRbox%20Year%20long%20program/Arduino%20Programming)

**Program Name: IoT(Internet of Things)**

**Grades Applicable:** Grade: 8+

**Fee:** Rs 10000/‐ (Includes cost of Take Home Electrics kit and delivery charges)

**No of sessions:** 24

**Total Projects: 14**

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/tinkRbox%20Year%20long%20program/IOT)

**Happy To Help:** 77770 54033 / 77770 54233

**Grade 8+ - IoT(Internet of Things)**

**Program Highlights**

|  |  |
| --- | --- |
| * IoT makes everyday objects 'smart' by enabling them to transmit data and automate tasks, without requiring any manual intervention. An IoT device could be something as simple as a health tracking wearable, or as complex as a smart city with sensors across all its regions. * Children Learn to collect and transfer data over a wireless network without human intervention for security systems using The Internet of Things (IoT) |  |

**Learning Targets**

* Learning IoT in the most fun and interactive way.
* Learn how to create different smart Projects which will be connected over internet to exchange information.
* Learn how to create project in blynk app for exchanging information to different devices.
* Learn how to develop projects like Anti theft door security, Locker Security, Smart Agriculture, Smart Dustin,Smart attendance etc

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/tinkRbox%20Year%20long%20program/IOT)

**Program Name: App Magic**

**Grades Applicable:** Grade: 4

**Fee:** Rs 7500/‐

**No of sessions:** 24

**Total Projects: 11**

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/App%20Magic)

**Happy To Help:** 77770 54033 / 77770 54233

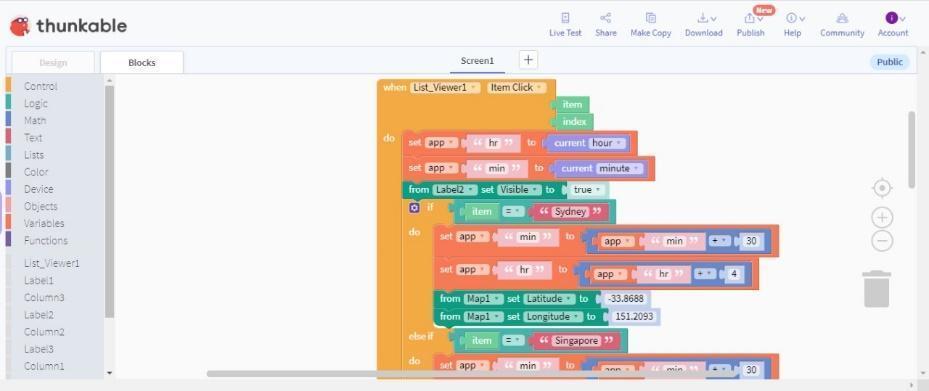
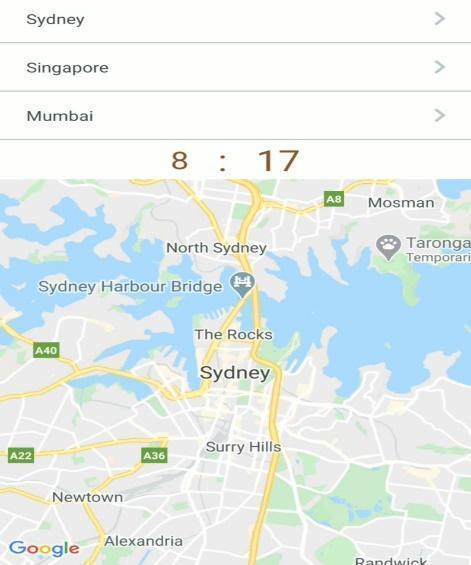
**Grade 4 – App Magic - Building Mobile Applications**

**Program Highlights**

* Helps channelize Children’s natural affinity to screens in a positive manner where they bring their personal ideas come to life through programming & app building.
* Children become media producers rather than media consumers.

**Learning Targets**

* Express their creativity and imagination using coding and technology
* Solve a variety of problems encountered in their projects
* Making exciting, personal ideas come to life through coding
* Seeing the output of their code as an app on any mobile device

** **

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/App%20Magic)

**Program Name: HTML & CSS**

**Grades Applicable:** Grade 5 & 6

**Fee:** Rs 7500/‐

**No of sessions:** 24

**Total Projects: 14**

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/HTML%20CSS)

**Happy To Help:** 77770 54033 / 77770 54233

Grade 5 & 6 - **HTML and CSS -**Introduction to the **World of Web Designing and Programming**

**Program Highlights**

* HTML stands for “HyperText Markup Language” and is the language for creating webpages with text, paragraphs, headers, links, pictures, and even sound and video.
* HTML is the foundation of Web Designing.
* Easiest to learn and makes advanced languages easier to learn.
* Powers Creative Thinking of a Child in representing his ideas and imagination on the webpage layout and design.
* Enable children to create their websites and also start a career on the web & design space

**Learning Targets**

* Introduction to HTML, Elements, Tags and their Attributes.
* Cool and Fun HTML Elements for your website.
* Learn how to design and program different types of websites

|  |  |
| --- | --- |
|  |  |

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/HTML%20CSS)

**Program Name: Coding, AI and Teachable Machines**

**Grades Applicable:** Grade 5+

**Fee:** Rs 7500/‐

**No of sessions:** 24

**Total Projects: 18**

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/Coding%20and%20AI%20and%20teachable%20machines)

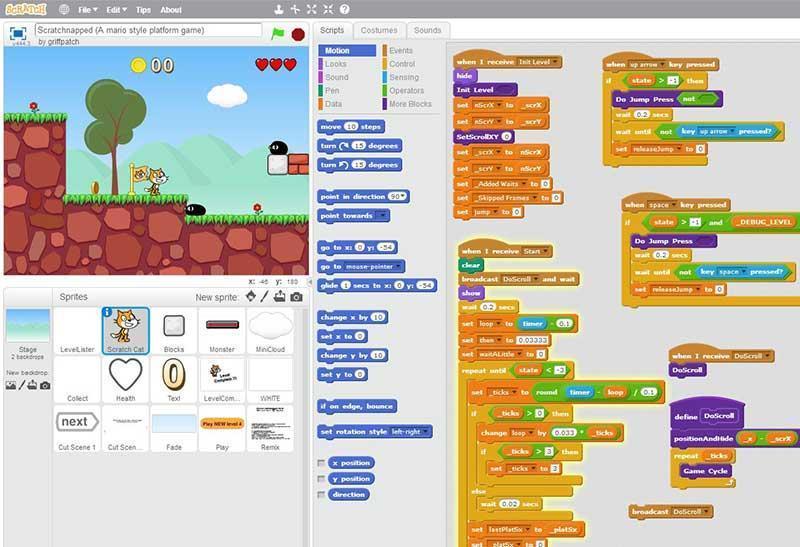
**Happy To Help:** 77770 54033 / 77770 54233

Grades 5 & 6 **-Coding, AI and Teachable Machines**

**Program Highlights**

* An ideal first step in introducing coding to first time programmers. It has a simple drag and drop interface and helps develop the logic needed for programming as well as boosts the creativity and design skills of the child.
* This course is a unique combination of learning to design and code games and short animated movies as well as understanding basic concepts of Artificial Intelligence and seeing its implementation in simple AI projects.

**Learning Targets**

* Learning the basic principles of programming.
* Work individually or collaboratively to design a game, animation and story.
* Learn important computational skills and concepts that will be of help when solving programming problems.
* Understanding what is AI (Artificial Intelligence) and learning simple concepts of AI and see implementation in some of the projects.
* Understanding concept of teachable machines, how to teach and train the machine by providing various data samples and generate desired output for different projects.

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/Coding%20and%20AI%20and%20teachable%20machines)

**Program Name: Python Programming**

**Grades Applicable:** Grade: 7

**Fee:** Rs 7500/‐

**No of sessions:** 24

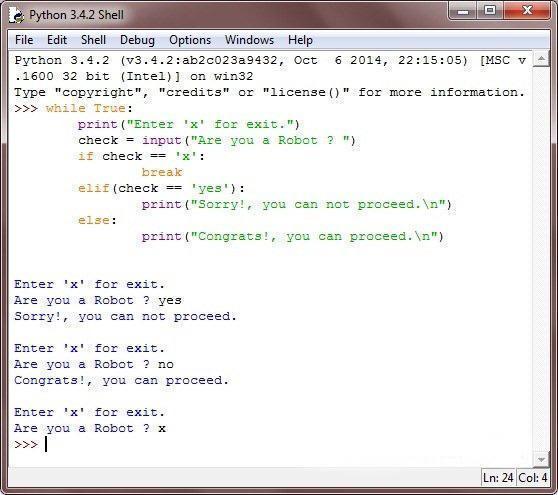
**Total Projects: 14**

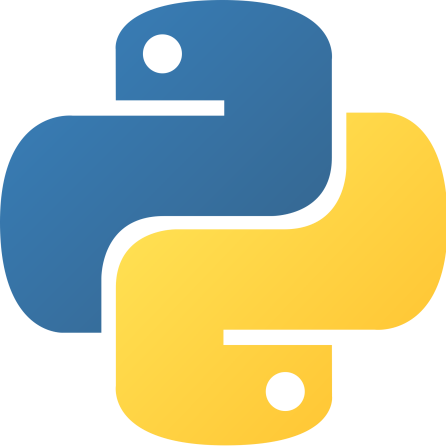
**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/Python)

**Happy To Help:** 77770 54033 / 77770 54233

Grades 7 - **Python Programming**

**Program Highlights**



* Python is a revolutionary and easy to learn programming language having applications in Data Science and Analytics, Machine Learning, Automation and Computing.
* This educational tool provides students with an introduction to code level programming, I/O, and visualization using the Python programming language.
* Python allows developers to write programs with fewer lines than some other programming languages.
* Python turns kids from media consumers to media producers
* Children learn software development, mathematics, system scripting.

**Learning Targets**

* Learn how to design and program Python applications
* Define the structure and components of a Python program.
* Learn how to write loops and decision statements in Python.
* Learn how to use lists, tuples, and dictionaries in Python programs.
* Learn how to build and package Python modules for reusability.

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/Python)

**Program Name: Java Programming**

**Grades Applicable:** Grade: 8+

**Fee:** Rs 7500/‐

**No of sessions:** 24

**Total Projects: 17**

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/JAVA)

**Happy To Help:** 77770 54033 / 77770 54233

Grades 8+ - **JavaProgramming**

**Program Highlights**

|  |  |
| --- | --- |
| * Java is one of the world’s most popular programming language |  |
| * Java makes easier to learn other languages in future |
| * Java is a platform-Independent language which execute on any platform & any operating system. |

**Learning Targets**

* Introduction to Java basics like Variable, Data Type, Operators, Conditional Statement, Conditional Looping Statements, Escape And Selection Statements etc.
* Introduction to Advance Java features like Array, String and Math class, Methods, object oriented programing, Inheritance etc.
* Design and code wide range of games and applications using java code.

**Register** [**HERE**](https://futurelearning.irobokid.com/s/store/courses/STEM%20and%20Coding%20year%20long%20program/JAVA)