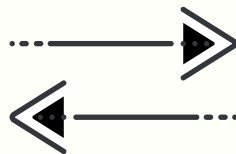




TINKER CODERS

BY STEMROBO TECHNOLOGIES



ONLINE LIVE CLASSES

3 LEVELS FOR EACH GRADE



SIX FOCUS TECHNOLOGIES



Block Based Programming



Artificial Intelligence & Python



Fun with Electronics



Arduino Programming



Application Development



3D Designing

WHAT IS TINKER CODERS ?

Tinker Coder is a LIVE Online Platform through which kids will learn the art of coding. They will learn pattern recognition, strengthen their logical and analytical skills.

Kids will directly interact with our Engineer during live session via Video Calls designed for online training. The recorded content can be used for a self-paced exploration.



WHY CODING IS IMPORTANT?

Coding is an essential that will make the young minds future ready.



Visualisation



Creativity



Logical Thinking



Analytical Thinking



Design Thinking



Problem Solving

Fundamentals of Coding foster key skills in kids.



With these skills your kid may create the next Google or Facebook.



AI will create 58 million new jobs by 2022, says Forbes.

Technology Wise

- Independent of grade or level, anyone can join
- 64 Hours of Sessions in 4 months
- 32 hours of sessions conducted as live & interactive
- No coding experience required

Grade Wise

- For Grade 3rd-8th
- 3 Different Levels
- 96 Hours of Sessions in 6 months
- 48 hours of sessions conducted as live & interactive
- No coding experience required



CONTENT DELIVERY

2hrs/week live and interactive sessions along with 2hrs/week recorded sessions.



SESSION TIMING

As per convenience of students.



CERTIFICATION

Certificate of completion for each course.



STUDENTS PER INSTRUCTOR

1:1 Sessions & group sessions

Popular

Block Based Programming

4 Months

With programming kids learn to develop procedural thinking & express themselves better. They shift from just consuming information to becoming digital creators.

Curriculum

Programming Basics, Animations & Games

Activities

Create Games & Animations

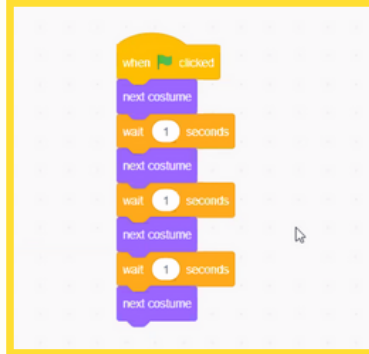
Major Intellectual Benefit

Creativity, Visualization & Logical Thinking

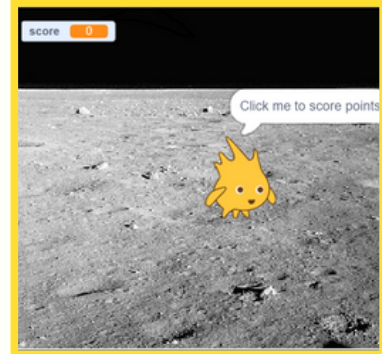


Achievements

Animation & Game Developer Certification



Programming Blocks



Game developed by Student

Best Value

Python & Artificial Intelligence

4 Months

Our strategically designed curriculum by Industry Experts and Evangelists make the students go through an immersive experience of AI.

Curriculum

Python & AI Principles

Activities

Real AI based Projects

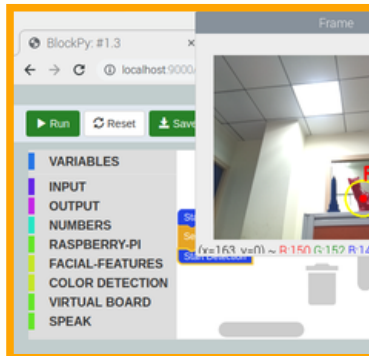
Major Intellectual Benefit

Visualization & Problem Solving

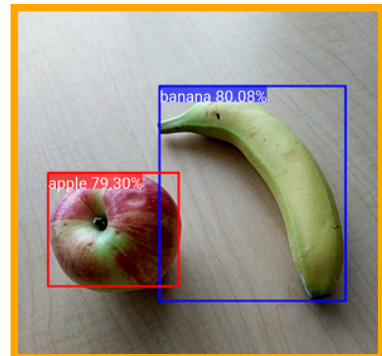


Achievements

Python & AI Developer Certification



AI Platform



Student Project: AI Object Detection

Fun with Electronics

4 Months

The total number of electronic devices exceeds 17 billion globally. We will make your kid understand what circuits are made up of and help them build their own circuits.

Curriculum

Electronics Fundamentals & Circuit Simulation

Activities

LED Circuits & Electronics

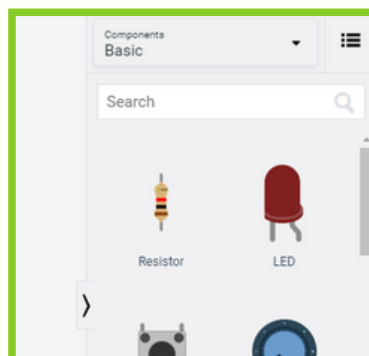
Major Intellectual Benefit

Analytical & Design Thinking

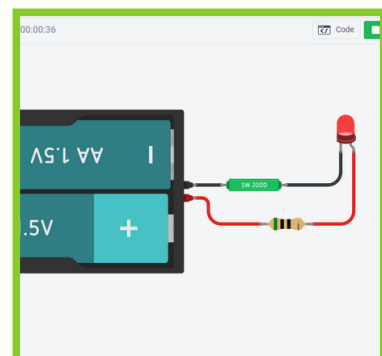


Achievements

Circuit Designer Certification



Development Platform



Circuit Designed by Student

Popular

Arduino Programming 4 Months

Arduino is the largest open source community and home to thousands of DIY projects. Get your kid to tinker with these projects with our Arduino Programming course.

Curriculum

Arduino Basics, Sensor & Actuator Interfacing

Activities

Create Automation Projects

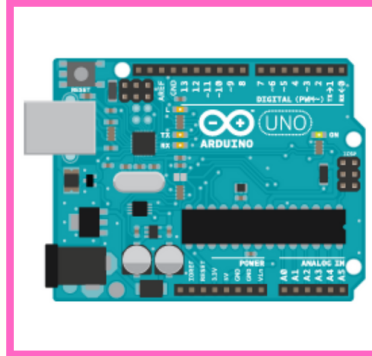
Major Intellectual Benefit

Design Thinking & Problem Solving

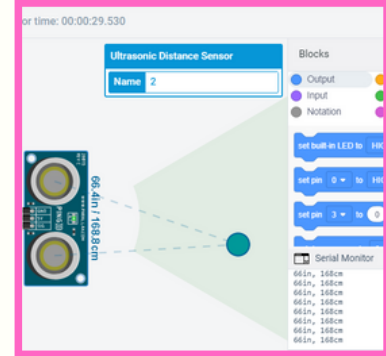


Achievements

Arduino Developer Certification



Arduino



Project made by Student

App Development 4 Months

Kids will learn the basics of coding Apps and Games for smartphones/tablets with MIT App Inventor 2. They will design, develop and debug their own games and apps.

Curriculum

Basics of App Development

Activities

Real Useful Apps & Games

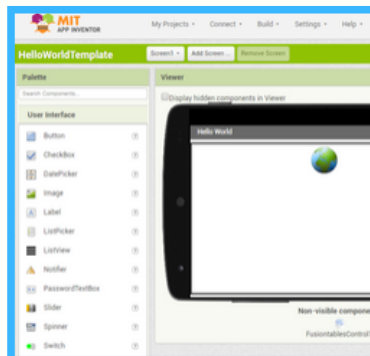
Major Intellectual Benefit

Visualization, Analytical & Logical Thinking

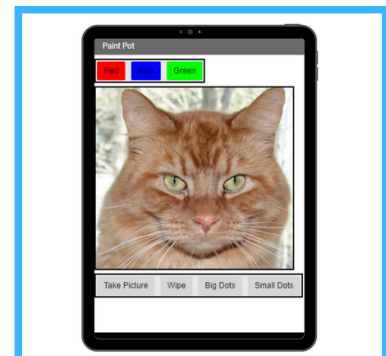


Achievements

App Developer Certification



Development Platform



App Developed by Student

3D Designing 4 Months

Your kid will learn to create 3D Models with CAD Software, and even 3D print the model as an actual output. 3D Designing is elemental in enhancing the creativity.

Curriculum

CAD Fundamental & Visualisation Techniques

Activities

Create 3D Shapes and Mechanisms

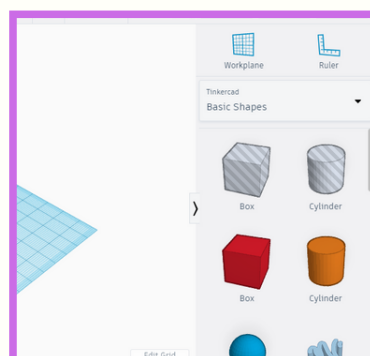
Major Intellectual Benefit

Creativity & Visualisation

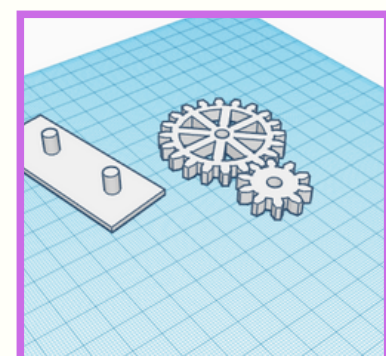


Achievements

CAD Designer Certification



Development Platform



Design by Student :
Gears

Grade 3rd

6 Months

2 Months

Explorer

Curriculum

Inputs, Buttons and Instructions
Speed, Direction and Co-ordinates

Projects

Helicopter Hovering
Swimming Dance Party

Major Intellectual Benefit

Logical Thinking



Achievements

Programming in Artistic Environment

2 Months

Creator

Curriculum

Objects & Conditions
Character Animation

Projects

Under the Sea
Battle of the Bands

Major Intellectual Benefit

Puzzle Solving Approach



Achievements

Understand Coding Cycle

2 Months

Innovator

Curriculum

3D Shapes & Structures
Professional Space & Building Design

Projects

Rocket 3D Design

Major Intellectual Benefit

Visualisation



Achievements

CAD 3D Modelling

Grade 4th

6 Months

2 Months

Explorer

Curriculum

Speed, Direction and Co-ordinates
Variables, Repetition and Loops

Projects

Racing Game

Major Intellectual Benefit

Logical Thinking



Achievements

Programming in Artistic Environment

2 Months

Creator

Curriculum

Objects & Conditions
Character Animation

Projects

Under the Sea
Battle of the Bands

Major Intellectual Benefit

Puzzle Solving Approach



Achievements

Understand Coding Cycle

2 Months

Innovator

Curriculum

3D Shapes & Structures
Professional Space & Building Design

Projects

Rocket 3D Design
Customized Key Chain.

Major Intellectual Benefit

Visualisation



Achievements

CAD 3D Modelling

Grade 5th

6 Months

2 Months

Explorer

Curriculum

Objects & Conditions
Character Animation

Projects

Under the Sea
In the Jungle

Major Intellectual Benefit

Puzzle Solving Approach



Achievements

Understand Coding Cycle

2 Months

Creator

Curriculum

Circuit, Current & Voltage
Circuit Simulation

Projects

Control DC Motor
RGB Decorative Lighting

Major Intellectual Benefit

Analytical & Design Thinking



Achievements

Circuit Designing

2 Months

Innovator

Curriculum

Draw shapes with code
Inputs & Data Manipulation

Projects

Program to solve calculations
AI based activities (*Exclusive*)

Major Intellectual Benefit

Visualisation & Problem Solving



Achievements

Intro to Python & AI

Grade 6th

6 Months

2 Months

Explorer

Curriculum

Objects & Conditions
Character Animation

Projects

Under the Sea
In the Jungle

Major Intellectual Benefit

Puzzle Solving Approach



Achievements

Understand Coding Cycle

2 Months

Creator

Curriculum

Shape, motion & python graphic designing
Inputs, loops, Conditionals & Functions

Projects

Password Protected Program
Age Calculator

Major Intellectual Benefit

Visualisation & Problem Solving



Achievements

Understand Python & Graphics

2 Months

Innovator

Curriculum

Circuit Simulation
Introduction to Arduino

Projects

Radar

Major Intellectual Benefit

Design Thinking & Problem Solving



Achievements

Understand Arduino Programming

Grade 7th

6 Months

2 Months

Explorer

Curriculum

Block based Programming
Fundamentals of App Development

Projects

Magic 8 Ball
Hello Kitty

Major Intellectual Benefit

Visualization, Analytical & Logical Thinking



Achievements

App Development

2 Months

Creator

Curriculum

Shape, motion & python graphic designing
Inputs, loops, Conditionals & Functions

Projects

Password Protected Program
Age Calculator

Major Intellectual Benefit

Visualisation & Problem Solving



Achievements

Understand Python & Graphics

2 Months

Innovator

Curriculum

Circuit Simulation
Introduction to Arduino

Projects

Tone Keyboard
Smart City

Major Intellectual Benefit

Design Thinking & Problem Solving



Achievements

Understand Arduino Programming

Grade 8th

6 Months

2 Months

Explorer

Curriculum

Block based Programming
Fundamentals of App Development

Projects

Arcade Game
Piano App

Major Intellectual Benefit

Visualization, Analytical & Logical Thinking



Achievements

App Development

2 Months

Creator

Curriculum

Shape, motion & python graphic designing
Inputs, loops, Conditionals & Functions

Projects

Password Protected Program
Age Calculator

Major Intellectual Benefit

Visualisation & Problem Solving



Achievements

Understand Python & Graphics

2 Months

Innovator

Curriculum

3D Shapes & Structures
Introduction to Arduino

Projects

Eiffel Tower
Neopixel Interfacing

Major Intellectual Benefit

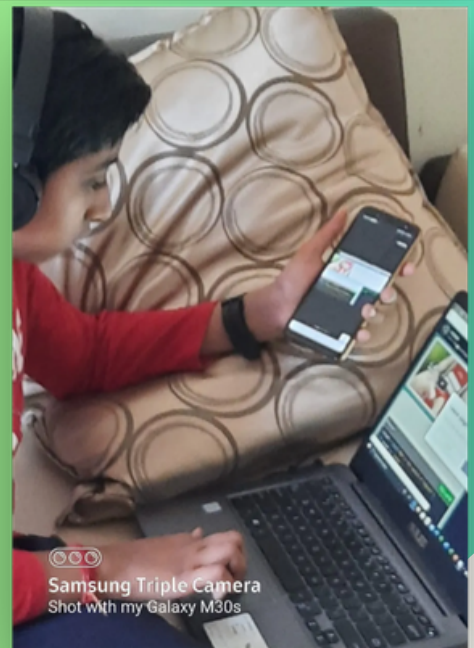
Design Thinking & Problem Solving



Achievements

Understand Arduino & 3D Modelling

OUR SESSION IN ACTION



"Programming isn't about what you know; it's about what you can figure out."

- Chris Pine

TINKER CODERS

BY STEMROBO TECHNOLOGIES



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