

The Future of Education

In a world dominated by technology, today's youth need to understand how it works in order to thrive. Children of today need to build 21st century skills like critical thinking, problem solving and creativity.

Alphagen Learning is an online academy that provides 1 on 1 classes for kids and teens across several areas of technology including coding, graphic design, virtual reality and more.

Our goal is to empower this new generation, equipping them with critical life skills that help them unlock their own ideas and passions through technology.



Holiday Camps '21

Age 7 - 9

The season of fun and learning has begun.
Make sure your child makes the most out of it!

Call or message us

+65 96507344

Camps Available for Age 7 – 9

Click on the buttons to go directly to a camp

Coding on Scratch

Get creative with visual programming

Mobile App Development

From the enjoyment of experiencing to the joy of creating

Web Development

From consumer of content to empowered creator

Graphic Design

Draw inspiration from the world around you

3D Printing

Visualise, plan & create in 3D

Augmented & Virtual Reality

The storytelling toolkit of the future

Microbit

Become a digital creator

Camp Structure

Receive a certificate upon completion of each camp

Live 1-on-1 sessions online

Experienced teachers

Flexible timing

Personalised lessons

5 day camp: Monday to Friday

90 minute interactive class

Receive a certificate upon completion of each level

Certifications

Scratch Coder



App Creator



Web Development Wonder



Coding on Scratch

Get creative with visual programming



Scratch 7-9 yrs old

3 Camps Available

\$225/camp

5 days • Monday thru Friday • 90 mins per day

Harness the endless possibilities of your young learner's imagination. In each week-long camp, your child will breathe life into animations, games & applications, for a fun learning experience. Developed by MIT, Scratch is a block-based coding platform ideal for introducing programming concepts. It's highly visual interface enables our learners to focus on problem-solving, patterns and logic.

Best suited for: Everyone! From budding artists to future technocrats.

Your child will learn

Logical Reasoning

Problem Solving

Game Design

Critical Thinking

Coding on Scratch

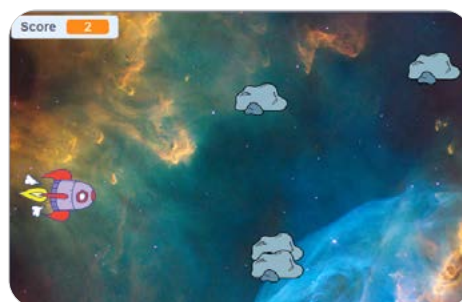
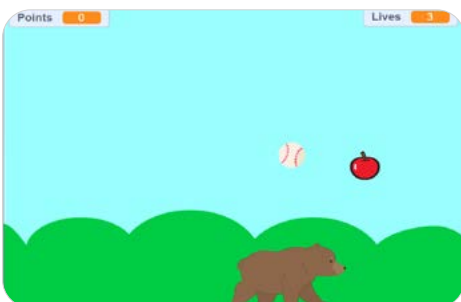
- Introduces learners to Scratch and its possibilities and opens the door to an exciting world of technology.
 - Builds their coding principles and computational thinking
- Simulates advanced programming concepts in an easy-to-understand visual environment with drag-and-drop functionality
 - Boosts confidence in young learners

Camp 1 Scratch Coder Core Learning

- Your child will set up their Scratch account and join an online community of 50 million fellow students.
 - Students get exposure to real-world applications and learn to create a simple version of a chatbot.
- As the week progresses, they will become familiar with Scratch's potential and learn basic commands including Loops, Conditionals and Variables to get busy creating!

Prerequisites: This is a beginner level camp with no experience necessary.

Sneak Peek



Camp 2

Scratch Logic Wizard

Core Learning

- Our learners use their competencies and skills as a springboard to more complex projects
- Students explore the use of concepts such as Sensing, Events and Motion to create exciting games and applications
- Projects include a voice-controlled game and their own version of Google's popular internet down dino game!

Prerequisites: Students need to have completed Coding on Scratch Camp 1 or similar introductory course as a prerequisite.

Sneak Peek



Camp 3

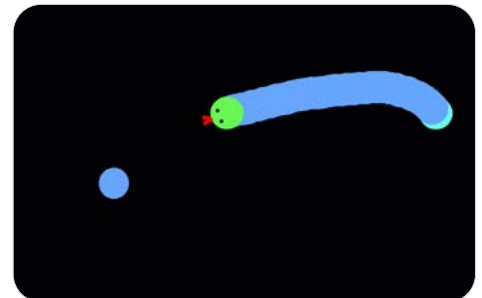
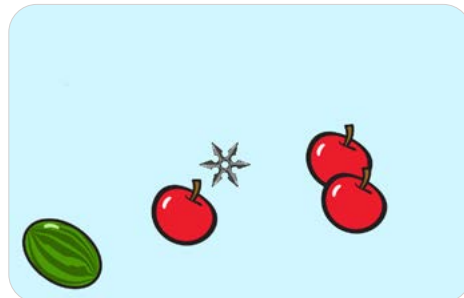
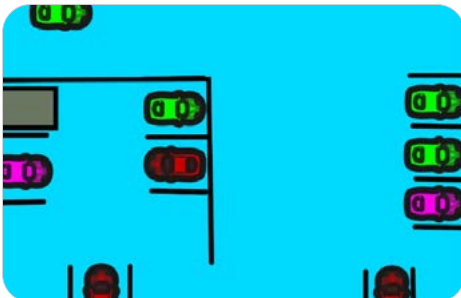
Scratch Innovator

Core Learning

- The creative sandbox where our learners bring it all together with a can-do spirit!
- Our happy campers can now conceive more interactive features in the animations, stories, and games that they design.
- Projects include interactive stories, and students also learn to recreate simple versions of the popular Snake and Fruit Ninja games using more advanced concepts like Inputs, Operators and Cloning.

Prerequisites: Students need to have completed Coding on Scratch Camp 1 & 2 or similar introductory course as a prerequisite.

Sneak Peek

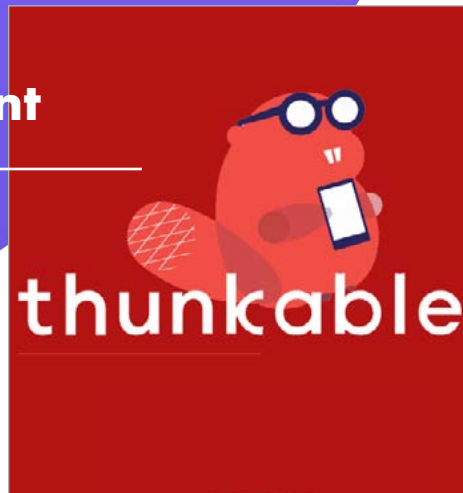


System Requirements

A laptop or tablet with connected keyboard and mouse, webcam, and a good Wi-Fi connection.

Mobile App Development

From the enjoyment of experiencing to the joy of creating



Thunkable 7-9 yrs old

3 Camps Available

\$225/camp

5 days • Monday thru Friday • 90 mins per day

Mobile apps are essential to how we chat and connect, play and learn. Every year, the world downloads over 200 billion mobile apps! Gift your child this all-important perspective, as they learn to create their very own mobile apps to entertain, inform and engage. Thunkable has a drag and drop interface to design and develop apps with blocks of code. Your child can tinker and play on a tool used for real-world app development!

Best suited for: Kids who are constantly borrowing their parent's phones!

Your child will learn

Logical Reasoning

Design Thinking

UX Design

Creative Expression

Mobile App Development

- Learn to look at app design from a User Experience (UX) perspective.
 - Deploy creativity in designing features that others enjoy using
- Enhance computational thinking and test outcomes using drag-and-drop blocks
- Journey from being a consumer of technology to a creator of technology

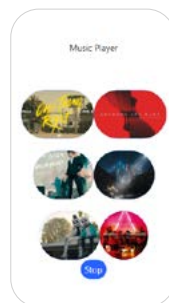
Camp 1 App Creator

Core Learning

- Your aspiring young developer will learn how apps are created and the magical power of the right app for the right audience.
- Gain experience on the Thunkable platform and learn to use elements like images, interfaces, buttons, sounds and other features.
 - Projects include simple games which use sensors in a mobile phone, a music player, and a quiz app

Prerequisites: This is a beginner level camp with no experience necessary.

Sneak Peek



Camp 2

App Wizard

Core Learning

- This exciting journey takes your developer on to even more complex applications
- They will now incorporate mathematical functions, mobile features like gestures and touch, and even GPS.
 - Projects include a multi-player game, health app and a location detector.

Prerequisites: Students need to have completed Mobile App Development Camp 1 or similar introductory course as a prerequisite

Sneak Peek



Camp 3

App Innovator

Core Learning

- Your young learner can now create their own versions of some of the popular apps they might have used on your smartphone.
 - Students learn to create more complex apps using the camera function and Web APIs that provide them access to an endless world of future app ideas.
 - Projects include a multi-player game, simulation and a mask detection app.

Prerequisites: Students need to have completed Mobile App Development Camps 1 and 2 or similar intermediate courses as a prerequisite.

Sneak Peek



System Requirements

- A laptop with connected keyboard and mouse, webcam, and a good Wi-Fi connection.
- A smartphone to test their apps, either iPhone or Android

Web Development

From consumer of content to empowered creator



Wix 7-9 yrs old

1 Camp Available

\$225/camp

5 days • Monday thru Friday • 90 mins per day

From businesses, to news, to entertainment - websites are how we interact and transact. Wix offers endless possibilities for your child on their journey to becoming a proficient and confident creator. It allows students to effortlessly learn the essential elements of web design, visual layout, content and troubleshooting.

Best suited for: Junior hobbyists, artists, sportspeople, or musicians can proudly build a website to share their achievements with friends and family.

Your child will learn

Creative Expression

Problem Solving

Design Thinking

Logical Reasoning

Web Development

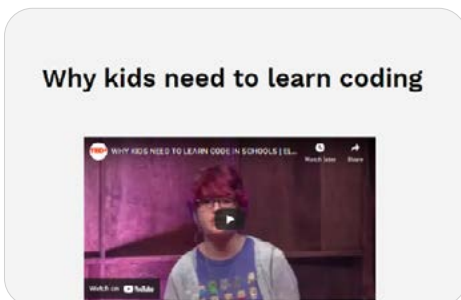
- This camp gives budding communicators the know-how and inspiration to build their online presence, safely and consciously.
- Students will immerse themselves in learning to choose themes, layouts and formatting options to create their very own website.

Core Learning

- Understanding of the key elements of web design including layouts, menus and visual elements
- Experience and enjoy planning and designing a personal portfolio or website about a hobby or passion.
- Understand user perspectives when adding content, images and video with an engaging theme

Prerequisites: This is a beginner level camp with no experience necessary.

Sneak Peek



System Requirements

A laptop or tablet with connected keyboard and mouse, webcam, and a good Wi-Fi connection.

Graphic Design

Draw inspiration from the world around you



Canva 7-9 yrs old

1 Camp Available

\$225/camp

5 days • Monday thru Friday • 90 mins per day

Artistic expression has a great role to play in the development of your child's unique blueprint. In today's world, kids need to be confident presenters and communicators. Graphic design equips your child with the tools to share clear, concise, and memorable messages with peers and teachers. Canva is an intuitive yet powerful platform that equips users with an array of templates that they can customise to suit any requirement.

Best suited for: Everyone! Watch your young learner blossom as they showcase their creative genius.

Your child will learn

Creative Expression

UX Design

Communication

Graphic Design

- Canva makes it easy to get projects underway, and allows young learners to tinker endlessly until they learn what elements work best to achieve a desired look and feel.
- A focus on STEAM (Science, Technology, Engineering, Arts, Math) helps develop hard and soft skills to solve problems. Artistic exploration helps expose students to the creative process and increase their critical thinking skills.

Core Learning

- Boost your child's confidence in completing homework and school projects
 - Deepen understanding of visual design through hands-on trial and error
 - The possibilities are unlimited. Watch your young creator design posters, cards and more!
- Add a unique dimension to projects using photo editing, filters, and a stunning range of special effects.

Prerequisites: This is a beginner level camp with no experience necessary.

Sneak Peek

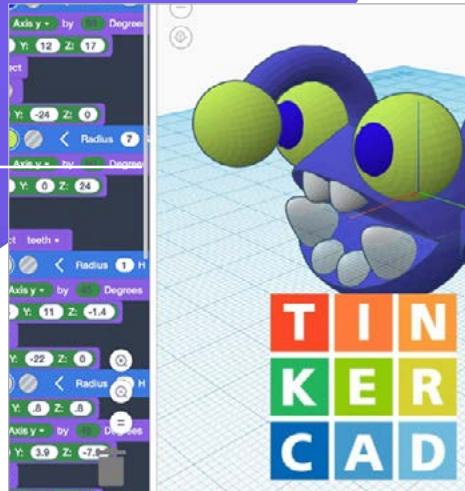


System Requirements

A laptop or tablet with connected keyboard and mouse, webcam, and a good Wi-Fi connection.

3D Printing

Visualise, plan & create in 3D



Tinkercad 7-9 yrs old

1 Camp Available

\$225/camp

5 days • Monday thru Friday • 90 mins per day

3D printing is one of the most important toolkits of the future, with applications across industries like medical, transport, education, construction and more.

Tinkercad is an online 3D modelling platform loved by both students and businesses. It allows your child to design in 3D using a drag and drop interface to visualise how parts of a 3D object fit together to form a whole.

Best suited for: Junior artists or engineers and Lego enthusiasts

Your child will learn

Spatial Thinking

Design Thinking

Creative Expression

3D Printing

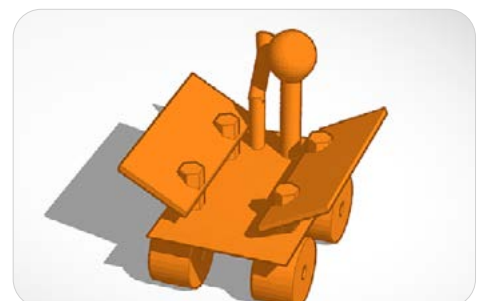
With the world becoming increasingly virtual, this camp helps learners understand how objects on the computer screen have real-world applications. Our students design their very own 3D models and learn how to manipulate and transform shapes on screen. If their design permits, we 3D print a student's project and send it to them as a keepsake!

Core Learning

- Develop building blocks to competencies in engineering, mathematics and applied sciences with fun projects like creating a light saber, 3D rocket or even 3D fashion accessories..
- Logic and creative thinking on the journey from concept development to creation
- Acquire a deep non-academic understanding of geometry concepts, spatial learning, and perspectives

Prerequisites: This camp is suitable for all students.

Sneak Peek



System Requirements

A laptop or tablet with connected keyboard and mouse, webcam, and a good Wi-Fi connection.

Augmented & Virtual Reality

The storytelling
toolkit of the future



CoSpaces 7-9 yrs old

1 Camp Available

\$225/camp

5 days • Monday thru Friday • 90 mins per day

Augmented Reality (AR) and Virtual Reality (VR) are powerful tools with applications both in education and beyond. Empower your child to dream with a multimedia immersion!

CoSpaces Edu is a virtual reality platform created especially for education that let's students design, code and interact with their own AR & VR creations.

Best suited for: Everyone! For the storyteller with the wildest imagination, these tools can take their narratives to the next level!

Your child will learn

Creative
Expression

Spatial
Thinking

Logical
Reasoning

Curiosity

AR & VR

In their AR & VR week, our learners will create characters, insert them into a 360-degree virtual environment and use code that will make both come alive. They will animate their characters and develop interactive scenes that will provide hours of fruitful entertainment and creativity.

Core Learning

- Fun exploration of 3D environments to build STEM skills with projects like a parkour playground and virtual safari.
 - Students also apply their creativity and imagination to build a virtual environment using their own ideas.
 - Deepen their understanding of coding concepts by introducing events, variables and more in a VR world.

Prerequisites: Students should have ideally completed Coding on Scratch Camp 1 or similar introductory course as a prerequisite.

Sneak Peek



System Requirements

A laptop or tablet with connected keyboard and mouse, webcam, and a good Wi-Fi connection.

Micro:bit

Become a
digital creator



MakeCode 7-9 yrs old

1 Camp Available

\$270/camp (includes a Micro:bit set)

5 days • Monday thru Friday • 90 mins per day

BBC's Micro:bit is a tiny but powerful pocket-sized computer that gives your child a bird's eye view of how hardware and software interact, and a fantastic tool to introduce learners to Robotics. MakeCode - a platform by Microsoft - is an official platform to program your Micro:bit and designed to evoke a sense of wonder, curiosity and excitement in your child as they visualise and execute projects with immediate results.

Best suited for: The avid tinkerer and crafter will derive hours of enjoyment with Micro:bit and its limitless possibilities.

Your child will learn

Design
Thinking

Problem
Solving

Logical
Reasoning

Curiosity

Micro:bit

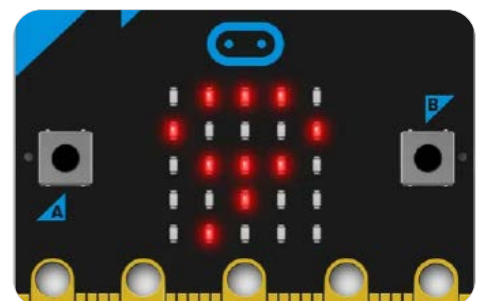
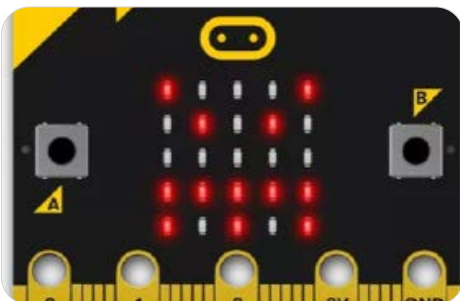
Watch as your child's coding efforts literally come to life to control the behaviour of the Micro:bit. Your child will learn how to use the various sensors contained in the Micro:bit, namely, accelerometer, light, touch and temperature to create super cool projects that introduce them to the world of robotics.

Core Learning

- A bridge between programming and real-life hardware helps build powerful logic in real time
- Hours of fun and tinkering which leads to learning through trial and error. Projects include a Rock, Paper Scissors game, step counter and temperature logger.
- Kids can continue using their Micro:bit set for endless possibilities of cool projects and possible extensions.

Prerequisites: This camp is suitable for all students.

Sneak Peek



System Requirements

A laptop with connected keyboard and mouse, webcam, and a good Wi-Fi connection.
A BBC Micro:bit kit that we will mail to you, please allow 3 days for shipping. (Cost included in camp fees)

So what are you waiting for...

Enroll now!

For complete details



 **AlphaGen**
Learning

Reach out to us

Call or message us at

 +65 96507344

alphagenlearning.com