Atomic Kids

SUMMER TECH CAMPS

Kids Going Into Grade 1

Welcome to Atomic

At Atomic, all kids get started with the Fundamentals of Invention program, or the Fundamentals of Technology. These programs cover all the essential skills kids need to boost tech career opportunites in the future.

1

FUNDAMENTALS OF INVENTION

Step one in our program introduces kids to the basics of invention— Math & Science. Kids learn the basics using hands-on projects.

25 Hours	Grades 1-6	Hands-on projects

2

FUNDAMENTALS OF TECHNOLOGY

Step two introduces kids to the key invention technologies—Coding & Robotics. Kids learn the tools needed to design their inventions.

50 Hours	Grades 1-6	Coding & Robotics

1 Fundamentals of Invention

This curriculum is great for kids who enjoy making things with their hands and tinkering with materials to build amazing creations. Your child will learn to use maker tools, and creativity to complete fun science projects and experiments.

We will focus on light and colors in this camp. We see light and colors every day, but how do we see color? How is a rainbow made? What happens when there is no light? We will explore and investigate through experiments, storytelling, and project making. These activities will challenge your child to learn foundational STEAM skills and develop their fine motor skills.

Some of the things we will make:

A Sundial
LED firefly
Spotlight
Vibrating ladybug
Suncatchers
A flipbook
...and more!

Some of the things we will learn:

Color mixing basics
Rainbow formation
Elements and opacities
Chromatography & uses
Light reflection principles
Electricity basics
...and more!

2 Fundamentals of Technology

We will look into the technology behind a lot of the most important advances in our modern world: coding and robotics. This coding and robotics program breaks down these fields into their most basic components.

The coding curriculum is designed to improve your child's ability to sequence steps, recognize patterns, and appreciate the fundamentals of computational thinking and logic training. We will use a combination of online and offline coding activities to teach these coding skills to get them ready for the future.

For robotics, students will configure and program their own robots. We will be following step-by-step challenges that introduce students to gears, wheels, axles, levers, and shapes to build mechanical structures.

From hardware to software, your child will quickly learn how coding skills are used in robotics and how to incorporate these skills in their own machines and designs. Our robotic sets integrate with micro:bit microcontrollers and electronic sensors to build the world of coding and robotics together.

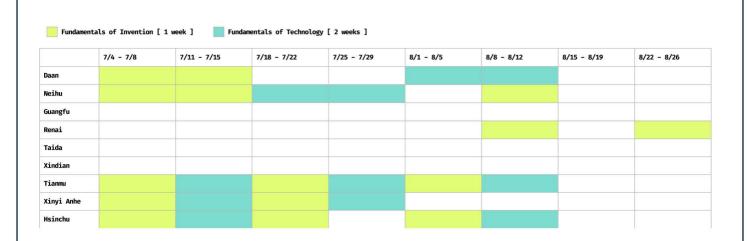## Some of the things we will make:

A Motorcycle
Line-following cars
The bigfoot monster
Robot arms
A basketball counter
Rotary chairs
...and more!

Some of the things we will learn:

Simple Machines
Sequences & algorithms
Loops & debugging
Functions & conditionals
Pattern & shape recognition
...and more!

Summer Camps Schedule 2022

Legend: 🟨 Fundamentals of Invention [1 week]   🟩 Fundamentals of Technology [2 weeks]

	7/4 – 7/8	7/11 – 7/15	7/18 – 7/22	7/25 – 7/29	8/1 – 8/5	8/8 – 8/12	8/15 – 8/19	8/22 – 8/26
Daan	Invention	Invention			Technology	Technology		
Neihu	Invention	Invention	Technology	Technology		Invention		
Guangfu								
Renai						Invention		Invention
Taida								
Xindian								
Tianmu	Invention	Technology	Technology	Technology	Invention	Technology		
Xinyi Anhe	Invention	Technology	Invention	Technology				
Hsinchu	Invention	Technology	Technology		Invention	Technology		

View this schedule online with registration links and location maps:

www.atomickids.io

PICK UP AND DROP OFF TIME:

Parents can drop off students anytime from 8:30-9:15.
Official pick up time is 16:00.

Lunch: 12:00 - 1:00pm
Lunch can be purchased for NTD 500/week at MIT locations.
Students can also bring their own lunch or have it dropped-off at school.

Tuition

1 Week Atomic Camp

14,500ntd

One week of camp includes 13,000ntd camp tuition fees + 1,500ntd equipment and materials fee.

2 Full Weeks Atomic Camp

29,000ntd

Two full weeks of camp includes 26,000ntd camp tuition fees + 3,000ntd equipment and materials fee.

**Choose your prefered location
and register online now at:**

www.atomickids.io

How to enroll:

1. Go to www.atomickids.io and fill out the registration form by first selecting your preferred location.

2. We will send you an email with the 20% deposit reservation details. Please pay within 7 days to secure your spot.

3. Join the camp and pay the remaining 80% on day 2 of camp.

Satisfaction guaranteed!

Only pay the remaining fee on day 2 if your child is happy with day 1!

Contact us:

LINE @atomickids   **Messenger** @atomickidstw

Register online now:

www.atomickids.io

3 # Coming soon this fall....

Engineering & applied science program for kids

Step three is our advanced STEAM program for kids who have completed both the fundamentals of invention and the fundamentals of technology programs.

Special immersive STEAM themes included in this program will include:

- **Space**
- **Ocean**
- **Rainforest**

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