



# MAKER ACADEMY FOR KIDS

## FAMILY GUIDE

Everything you need to know about your child's journey from Apprentice to Master Maker



## OUR WORLD IS EVOLVING FASTER THAN EVER.

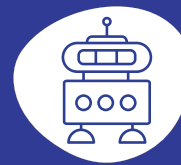
Technology, AI and global connectivity are reshaping the way we live and work. The next generation will face challenges we can't yet imagine. Alongside new skills, they'll need adaptability, creativity, and resilience to lead the way.

## OUR MISSION IS TO TRAIN THE NEXT GENERATION OF MASTER MAKERS

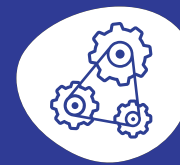
Through hands-on STEM learning and the development of a Maker Mindset, we empower kids to not just adapt to the future, but to build it.



CODING



ROBOTICS



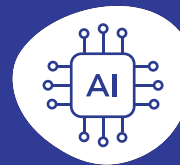
ENGINEERING



3D PRINTING

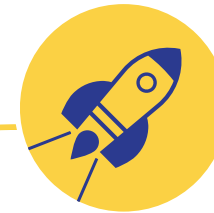


DIGITAL ARTS



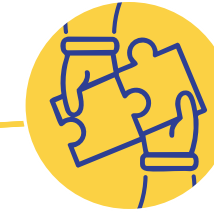
ARTIFICIAL  
INTELLIGENCE

# steamoji® VALUES



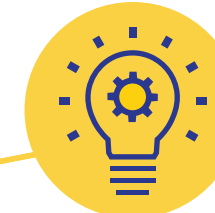
### EXPLORATION

Wonder. Discover.  
Ask. Try.



### COLLABORATION

Work together.  
Share. Listen. Help.



### PROBLEM SOLVING

Think. Experiment.  
Learn. Improve.



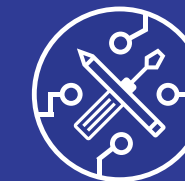
### MAKER MINDSET

Curious. Resilient.  
Adaptable. Creative.



### JOURNEY TO MASTER MAKER

Our hands-on, STEM curriculum covers everything from the screen to the workbench, so kids learn coding, engineering, digital arts, robotics, and more.



### FUTURE-READY SKILLS

Kids master the critical thinking, creativity, and resilience they'll need to solve tomorrow's problems, building confidence with every challenge.



### PROGRESS IS CELEBRATED

Kids earn OJI coins as they level up through their journey, while parents see progress in real-time through the Parent App.

# JOURNEY TO MASTER MAKER

Welcome to the Steamoji Curriculum  
Your child's Journey to Master Maker starts here. Our curriculum has four Chapters, made up of Missions that are focused on building specific skills through unique, hands-on learning.



1  
CURIOSITY



**WHAT THEY'LL DO:**  
Apprentices spark curiosity through core Missions that set the foundation for coding, engineering, robotics, digital arts, and more.

**WHAT YOU'LL SEE:**  
Kids get excited about technology, try new things, and discover STEM. Get ready to be wowed by their maker imagination.

2  
RESILIENCE



**WHAT THEY'LL DO:**  
Apprentices dig into new technology and equipment, building resilience as they break down problems and work through challenges.

**WHAT YOU'LL SEE:**  
Thinking beyond a step-by-step plan, kids discover mistakes and setbacks are part of the maker journey. Watch their resolve grow stronger.

3  
PROBLEM SOLVING



**WHAT THEY'LL DO:**  
Apprentices find their problem-solving style, using new skills, materials, and independent thinking to tackle their biggest builds yet.

**WHAT YOU'LL SEE:**  
Kids become more strategic as they design solutions. Notice them embrace challenges and look at problems from different angles.

4  
ADAPTABILITY



**WHAT THEY'LL DO:**  
Apprentices expand their STEM toolkit through advanced projects, flexing adaptability as they prepare for their big capstone project.

**WHAT YOU'LL SEE:**  
Kids showcase a rounded STEM skillset and advanced Maker Mindset. Watch them work as a confident, independent maker.

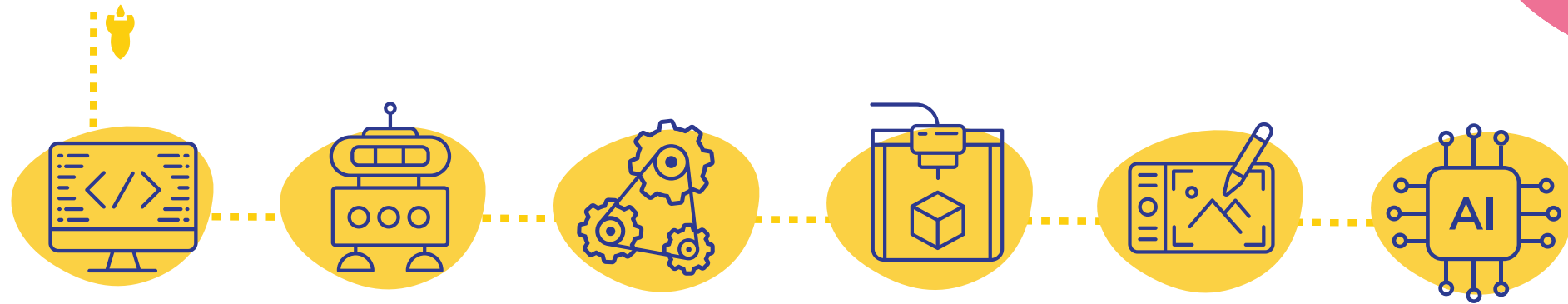
## WHAT IS A MASTER MAKER



A Master Maker combines STEM skills with a Maker Mindset to solve real-world problems—Steamoji Master Makers tackle complex problems and turn challenges into growth, bringing curiosity, resilience and creativity to everything they make.

# BUILD TO SOLVE

Hands-on projects reinforce learning and keep kids engaged. This is where Apprentices build future-proof STEM skillsets.



## CODING

From simple programs to game design, learn core coding skills across programming languages such as Scratch, Python, and Unity.

## ROBOTICS

Learn how hardware and software work together by building and coding robots with sensors, motors, and automation in VEX, micro:bit, and Arduino.

## ENGINEERING

Develop core engineering concepts through design challenges and real-world applications of simple machines, structures, gears, hydraulics and more.

## 3D PRINTING

Bring creations to life and learn about printability, spatial reasoning, and design constraints with 3D modelling software like Tinkercad and Onshape.

## DIGITAL ARTS

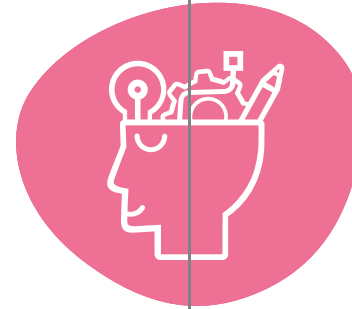
Discover artistic expression through drawing, animation, design, and stop-motion while mastering digital tools for visual storytelling and creative communication.

## ARTIFICIAL INTELLIGENCE

Understand the foundations of machine learning and how AI works, and then apply real AI tools safely to enhance your projects.

# MAKER MINDSET

Learn to build like a maker through hands-on STEM projects.



Learn to solve like a maker by understanding problems and finding solutions.

“ THIS IS ”  
INTERESTING!

## OBSERVE WITH CURIOSITY

Ask questions.  
Notice details.  
Spark wonder.

“ I SEE HOW ”  
THAT WORKS!

## UNDERSTAND THE STRUCTURE

Break things down.  
Map the parts.  
See how it's built.

“ WHAT'S ”  
POSSIBLE?

## EXPLORE OPPORTUNITIES

Imagine new paths.  
Look beyond the obvious.  
Consider what could be.

“ WHY DID ”  
THAT HAPPEN?

## ANALYZE CAUSE AND EFFECT

Tinker, test, troubleshoot.  
Try different ways.  
Find fascination in details.

“ WHAT IF? ”  
WHAT ELSE?

## CREATE AND REIMAGINE

Invent new solutions.  
Improve what exists.  
Share bold ideas.

“ CAN I DO ”  
MORE?  
SHOULD I?

## ENHANCE THE STRATEGY

Consider options.  
Critique outcomes.  
Iterate and assess.

Planning, ideating, and solving creates a mindset that extends beyond the build. Apprentices will build confidence and critical thinking skills.

OUR  
TOOLS

SCRATCH

micro:bit

ARDUINO

python

Unity

TINKERCAD  
AUTODESK

onshape

blender

VEX  
ROBOTICS

# THE STEAMOJI EXPERIENCE

## KIDS STAY ENGAGED PARENTS SEE PROGRESS



### STAY CONNECTED WITH THE STEAMOJI PARENT APP

Every time your child completes a Steamoji session, you'll receive an automatic personalized update that includes:



### 1 FLEXIBLE BOOKING

No more rigid class schedules. Choose session times that work best for your family—convenient and



### 2 ENGAGING & SELF-PACED LEARNING

Kids "badge-in", head to their workstation, and follow expert-led videos at their own pace, with academy facilitators supporting each step.



### 3 REAL TOOLS, REAL PROJECTS

Our academies are hands-on maker spaces where kids use real tools and technology, from 3D printers to circuits and robotics.



### 4 CELEBRATE EVERY MILESTONE

Progress is celebrated by earning OJI coins and levelling up, so kids "badge out" feeling proud of what they've achieved today.

## MAKER MOMENT

A shareable video of your child explaining what they built and learned that session.

## WHY IS THIS IMPORTANT?

A short overview explaining the importance of the project your child just completed.

## CONVERSATION STARTERS

Prompts that you can use to spark a conversation and reinforce learnings from their session.

## ACHIEVEMENT LEVEL

Track their current achievement level, recently completed missions, and OJI coins.



### DOWNLOAD STEAMOJI PARENTS' APP

Join their journey to Master Maker and support them along the way.

# TESTIMONIALS



"My daughter just loves going to Steamoji. She doesn't want to leave. Very educational and hands-on program that develops various skills and self confidence. Love it!"

Mila D, Edmonton (AB)



"My kids absolutely love the Steamoji classes! The hands-on approach really keeps them engaged. Highly recommend Steamoji for any parent looking to inspire a love of STEM in their children!"

Leo L, Richmond Hill (ON)



"At Steamoji I can concentrate on many activities such as robotics and coding. I have had a perfect time at Steamoji and would like to continue."

Noah, Age 11



"What I like about Steamoji is that you have the freedom to build all the cool stuff... I like to build houses! I want to be an architect! Steamoji is the foundation."

Ivan, Age 9

## NOTES:

# MEMBERSHIP

## FLEXIBLE PRICING OPTIONS

Explore different ways to add hands-on learning to your busy schedule

### ANNUAL

### PRICE

BEST  
VALUE

- ✓ 8 Hours Monthly
- ✓ Annual Member Perks
- ✓ Priority Booking  
Option to book your full year in advance
- ✓ 4 Additional Hours
- ✓ Steamoji Welcome Pack

### MONTHLY

### PRICE

- ✓ 8 Hours Monthly
- ✓ Booking limited to 4 weeks in advance

### LITE

### PRICE

- ✓ 4 Hours Monthly
- ✓ Booking limited to 4 weeks in advance

- No registration fee or equipment fees - membership includes everything.
- Siblings get a \$50-per-month discount.
- Referral program - earn a \$50 gift card for every friend who joins.

## AVAILABLE

AT PARTICIPATING ACADEMIES



- ★ Group-based camps across a range of fun STEM subjects, offered during Spring, Summer, and Winter break holidays. ★



### VEX ROBOTICS CLUB & COMPETITIONS

A team environment where kids build, code, and compete using VEX robotics.



### BIRTHDAY PARTIES

Fun, hands-on STEM parties where kids build, learn and celebrate with their friends.



# THE MAKER'S MANIFESTO



**KIDS ARE  
POWERFUL.**

**KIDS HAVE  
THE POWER TO CHANGE  
EVERYTHING**

Kids have a world of creativity and confidence inside them waiting for a journey of their own.  
A journey to explore their inner inventor, builder, dreamer, entrepreneur.



**ALL KIDS  
ARE MAKERS**

When learning extends beyond traditional boundaries, a child's inner maker comes alive. Steamoji is where that journey begins. The maker academy where dreams are coded to life, problems become possibilities, and inspiration becomes a catalyst for change.

**THIS IS WHERE GREATNESS BEGINS.**

**WHERE KIDS LEARN  
WHAT IT MEANS TO  
★ MAKE ANYTHING ★**

**TO MAKE THE WORLD**



**TO MAKE THE FUTURE**