STEM ACADEMY

OFFICIAL EDUCATION PARTNER Bambu Lab

AGES 6–12 · 3D DESIGN & PRINTING BOOTCAMP

Little Makers 3D Academy

Design it. Print it. Take your own 3D printer home.

Ages 6–12 | 4 days · 20 hours | Own Bambu Lab A1 mini | Certified



In four fun, hands-on days, children set up their very own Bambu Lab A1 mini, learn to design in Autodesk Tinkercad, and print name tags, keychains, moving toys and their own invention. They go home with the printer, a spool of filament, every print they made, and certificates.

What you get

- **Your own Bambu Lab A1 mini**
  Set up on Day 1 and taken home after the course (retail RM999)
- **Autodesk Tinkercad skills**
  Shapes, measuring, text, moving parts and design challenges
- **Hands-on, every step**
  Each child loads filament, slices, prints and cares for their printer
- **4+ projects to keep**
  Name tag, keychain, moving toy, phone stand and a capstone
- **Show & Tell for parents**
  Children present their capstone on the final day



INCLUDED

Bambu Lab A1 mini

Plus 1 spool of PLA filament

Course + printer

RM2,699

Early bird RM2,499
Each extra sibling RM1,599 (course only, shares the family printer)

CERTIFICATION

Autodesk Tinkercad 3D Design certification (ages 9+)
STEM Academy × Bambu Lab Junior 3D Maker certificate

20 hrs
of hands-on learning

1 : 5
trainer-to-child ratio

4+
printed projects to keep

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Things you'll make



Name tag



Keychain



Moving toy



Phone stand

Your 4-day journey

DAY 1

Meet your printer

- Unbox and set up your own A1 mini
- Safety, Bambu Handy app, loading filament
- Tinkercad foundations → print a name tag

DAY 2

Design to size

- Measuring in millimetres with rulers and callipers
- Embossed and engraved text → custom keychain
- Slicing in Bambu Studio: supports, infill, colour change

DAY 3

Make it move

- Hinges, tolerances, snap-fits
- Print-in-place toy or hinged box
- Design challenge: phone or pencil stand

DAY 4

Capstone & certification

- Build your own invention
- Printer care and troubleshooting
- Tinkercad exam (ages 9+) and Show & Tell

Good to know

- 9:30am – 2:30pm daily, as a holiday camp or over 2 weekends
- 8–10 children per class, 2 trainers
- Lunch and snacks provided
- No experience needed

Upgrade option

Upgrade to the **A1 mini Combo** with AMS Lite for 4-colour printing: + RM450. Great for families with 2 or more children.

Register / enquiries
stemacademy.my
STEM Academy Petaling Jaya · Iskandar Puteri

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Bambu Lab