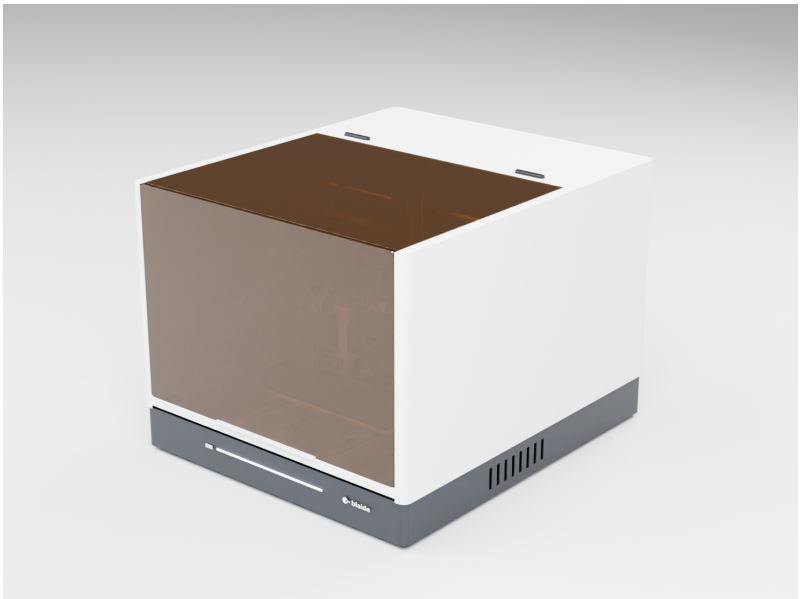
Education pack: User Guide

EDU-5 | Blaide product line | 17 November 2026 | Design only: nothing built or tested | Draft



Using it

- **1.** Lesson 1: print a single trace and light an LED.
- **2.** Lesson 2: the blinker board, recipe A.
- **3.** Lesson 3: solder mask coupon: what limits fine detail.
- **4.** Lesson 4: via chain coupon: measure resistance.
- **5.** Lesson 5: probe coupon: capacitance and area.
- **6.** Lesson 6: printed NFC tag, read with a phone.
- **7.** Lesson 7: a two-sided board with a flip.
- **8.** Lesson 8: own project through the class queue.

Safety

Hazard	Protection	What you must do
Laser, spindle, hot bed	Printer lid switches; bed-hot light	School safety adviser must review before unsupervised use; not done
Inks and paste	Sealed cartridges	Teacher handles cartridge changes
Small parts and sharp bits	Kept in closed cases	Age guidance to be set by the review

Specification

Parameter	Target
Printers	5
Class size	30
Consumables per term	10 silver, 5 paste, 5 mask cartridges; 100 blanks
Spares	one tool of each kind
Lessons	8, each built on a board in the design package

Parameter	Target
Queue result	30 jobs of 16 to 41 minutes finish in 181.0 minutes (best possible 180)