

Auto Etch A Sketch

Needs

- Autodraw
- Case
- Image to gcode

Wants

- Battery operated
- Fast draw speed
 - Sub 30 seconds for text
 - Sub 10 minutes for images
- Etch easily removable to erase
- Mechanically Simple
 - Top webcam mount
 - Stand for electronics/sit on
 - MAYBE MAKE IT FOLDABLE TO PUT ON WALL???
 - Motor mounts
 - Think geared vs ungeared

Tasks

- Plan Electronics
 - Controller
 - Wifi access?
 - USB access for webcam?
 - Motor
 - Torque?
 - Motor controller
 - Battery
 - Indicators
 - On/off
- Plan Mech
 - Gears
 - Ratio
 - Teeth Size
 - Mount location
 - Mount technique (screw holes)
 - Case
 - Etch a Sketch slot
 - Motor fit
 - Cap fitment
 - Electronics box
- Buy Shit

Resources to follow/take ideas from

- [How this robot that got us into OpenSauce](#)
- [Arduino etch a sketch clock finished](#)
- [Raspberry Pi Auto Etch A Sketch™ \(Raspberry Pi Auto Etch A Sketch™ -- Episode 372 - element14 Community\)](#)
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