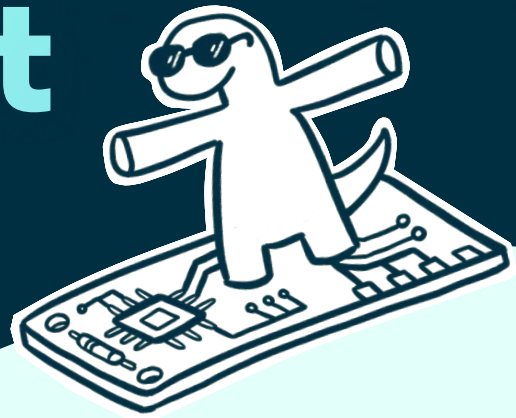


HACK CLUB

join 1,000 teenagers and...

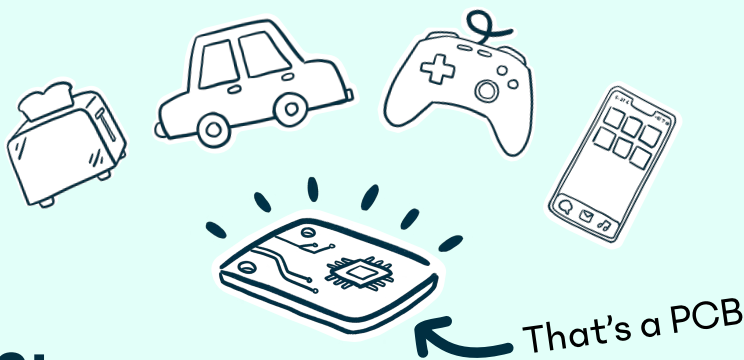
# make circuit boards with a grant

high schooler? get \$100 to manufacture a PCB designed by you. tutorials online!



## What's a PCB?

Printed circuit boards (PCBs) are used in all electronic devices to connect components together. See the back for projects made by high schoolers!



## Steps

1. Head to [hackclub.com/onboard](http://hackclub.com/onboard)
2. Design your circuit online
3. Submit design to Hack Club
4. Use \$100 manufacturing grant
5. Get your boards in the mail!

## I can make one?

Follow our beginner-friendly tutorials to design your own USB hub, NFC business card, and more! Open to ages 18 & under.

*"I'm so glad young people can create PCBs online. May your creativity change the world! Mine did."*

— Steve Wozniak, Apple co-founder



He's helpin' us out!

## Why circuit boards?

PCBs are the core component of all electronics. Learn PCB design to build your own devices—from robots to radios, your inventions will come to life!

Tutorials available!



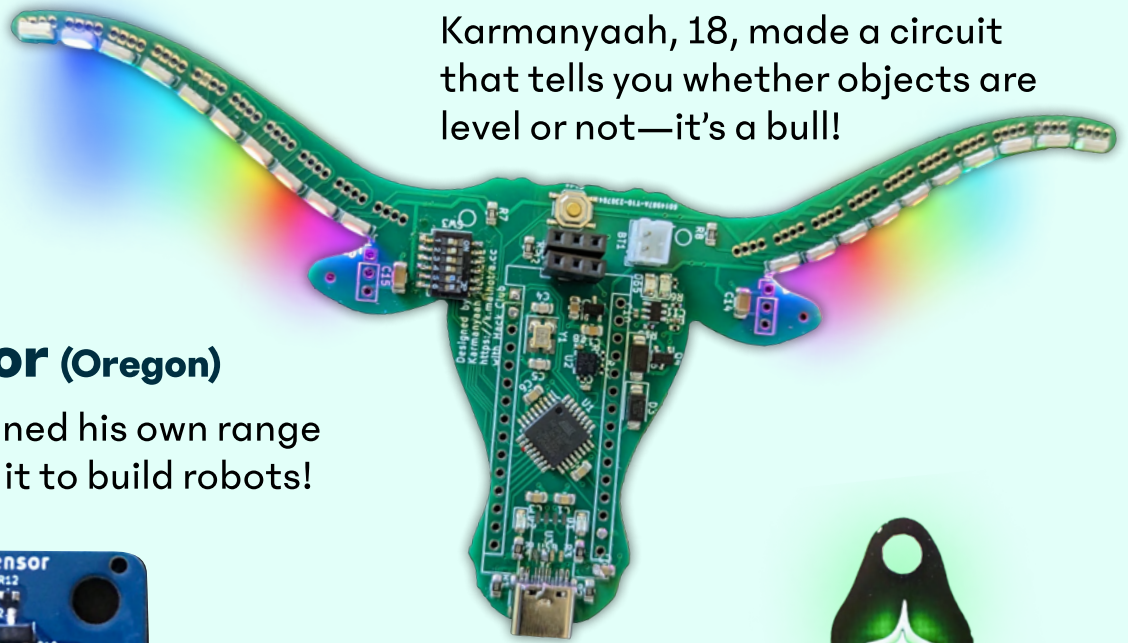
Scan Me!  
Get Your Grant!  
[hackclub.com/onboard](http://hackclub.com/onboard)





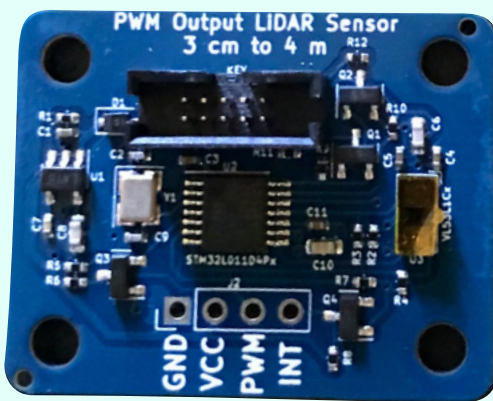
## Digital Level (Texas)

Karmanyaah, 18, made a circuit that tells you whether objects are level or not—it's a bull!



## LIDAR Sensor (Oregon)

Thomas, 17, designed his own range sensor! He's using it to build robots!



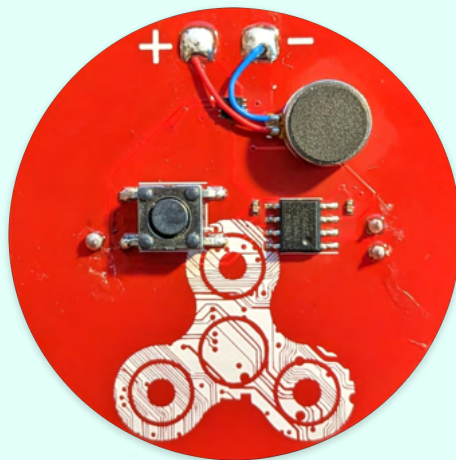
## Keychain (California)

Maggie, 17, made a light-up PCB keychain! It's in the shape of our mascot, Orpheus!



## Electric Fidget Spinner (New Jersey)

Micha, 15, wanted a quiet fidget spinner so he made it electric! It fidgets with a vibrating motor.



# see what teenagers are building!

all projects are  
open source  
[github.com/hackclub/onboard](https://github.com/hackclub/onboard)