

Introducing Coding to Your Library

It's easier than you think!



The original code club

Mesa Public Library, 2013

The Mission

Fiero: That amazing feeling you get when you accomplish something.



Fiero exists to help people unlock a hopeful future as they learn computer programming.

Agenda

Buckle up, buttercup!

- **Relational time!**
In true code club style.
- **Why coding?**
Get ready to get your heart on board.
- **Why libraries?**
It's like a match made in the metaverse.
- **You, yes YOU, can do it!**
It's easier than you think.
- **The tool chest.**
Resources to make your life easy.

Opening question

Where are you tuning in from, and what show are you currently watching on [insert your streaming service of choice]?



Why coding? 



**Coding is the closest thing
we have to a superpower.**
- Drew Houston, founder of Dropbox



Life skills

Coding helps form amazing humans

Learning to code has been strongly linked to developing life skills such as:

- Critical thinking
- Problem solving
- Creativity
- Design thinking
- Digital literacy

Jobs

It's an easy sell...

- 1 Over 600,000 open coding jobs today.
(code.org)
- 2 Average salary for an entry level programmer
is over \$85,000 (salary.com)
- 3 Coding is more and more a basic skill for any
career.





Why libraries?

- This kind of thing is in your DNA:
 - Leveling the playing field
 - Providing access to those that don't have it. People do not have access currently.
- Libraries are transforming

“A library outranks any other one thing a community can do to benefit its people. It is a never failing spring in the desert.”

- Andrew Carnegie



But it's hard... right? 🤔

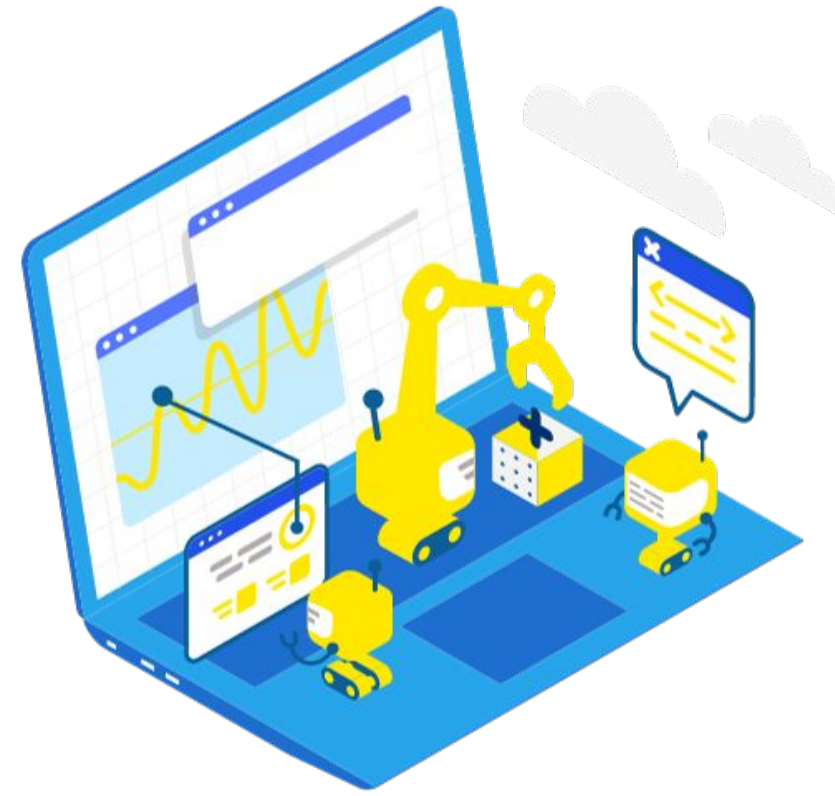


With our model,
anyone can run a
code club - ***even if
you don't know how
to code!***



Connected Learning

The recipe for success.



Educational Resources

Tap into the power of self-guided / self-paced learning by using existing resources.



A non-expert facilitator

No lectures, no lesson prep. You are cheerleader, mentor and facilitator!



A community of learners

Peer learning groups find inspiration, motivation, and accountability by learning alongside others.

Educational Resources



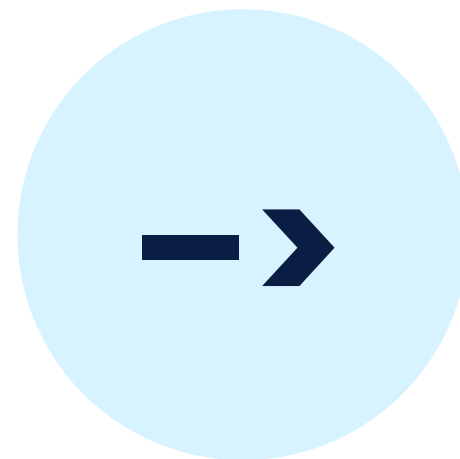
Books, YouTube tutorials

Utilize books already in your collection and YouTube tutorials on any coding language. Griffpatch is a favorite for Scratch tutorials.



Free learn-to-code resources

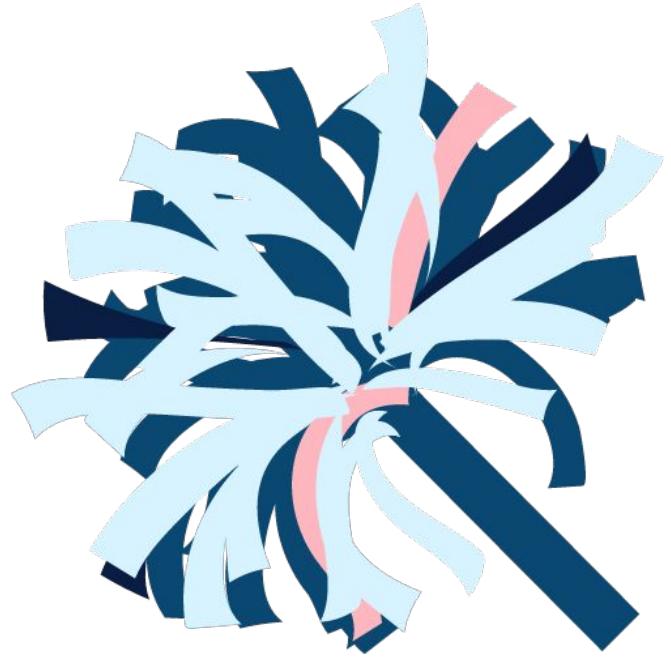
w3schools.com, freecodecamp.com, scratch.mit.edu. Link to our blog post for the comprehensive list.



Fiero's free resources

Download a zip of all our free resources to date. Hour of Code content + lesson plan, how to make code club more fun, no-tech coding activities,

Non-expert facilitator



Cheerleader

"Wow, how did you make that thing?!"



Mentor

"Stick in there! You got this!"



Facilitator

"I don't know... did you ask a friend?"



A community of learners



Consistency

At least 1 hour a week to learn how to code.



Inspiration & Motivation

Get inspired by seeing what your peers are building.



Support

Have support when you're stuck or need help.



How to Get Kids Unstuck

The 3 Step Process

1

“What have you tried so far?”

Get them talking about their attempts to solve the problem. Point out resources like google or the instructions in the app.

2

“Who else have you asked?”

Make sure they work with another kid as much as possible. You can help them find someone that might know the answer or how to find it.

3

“Let’s figure this out together.”

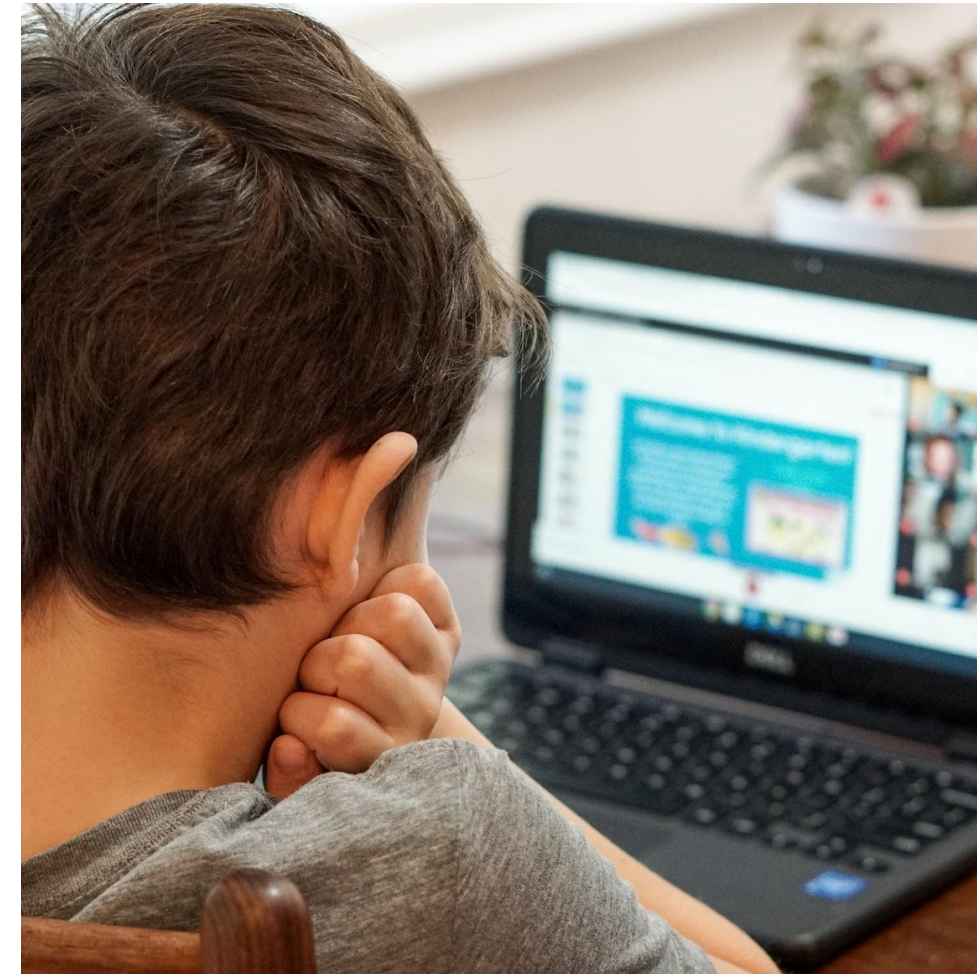
They can learn a lot by tinkering with the project alongside you. Realizing that you don’t have the answers, and that that is ok, is important. The coder may even solve the problem as they explain it to you.



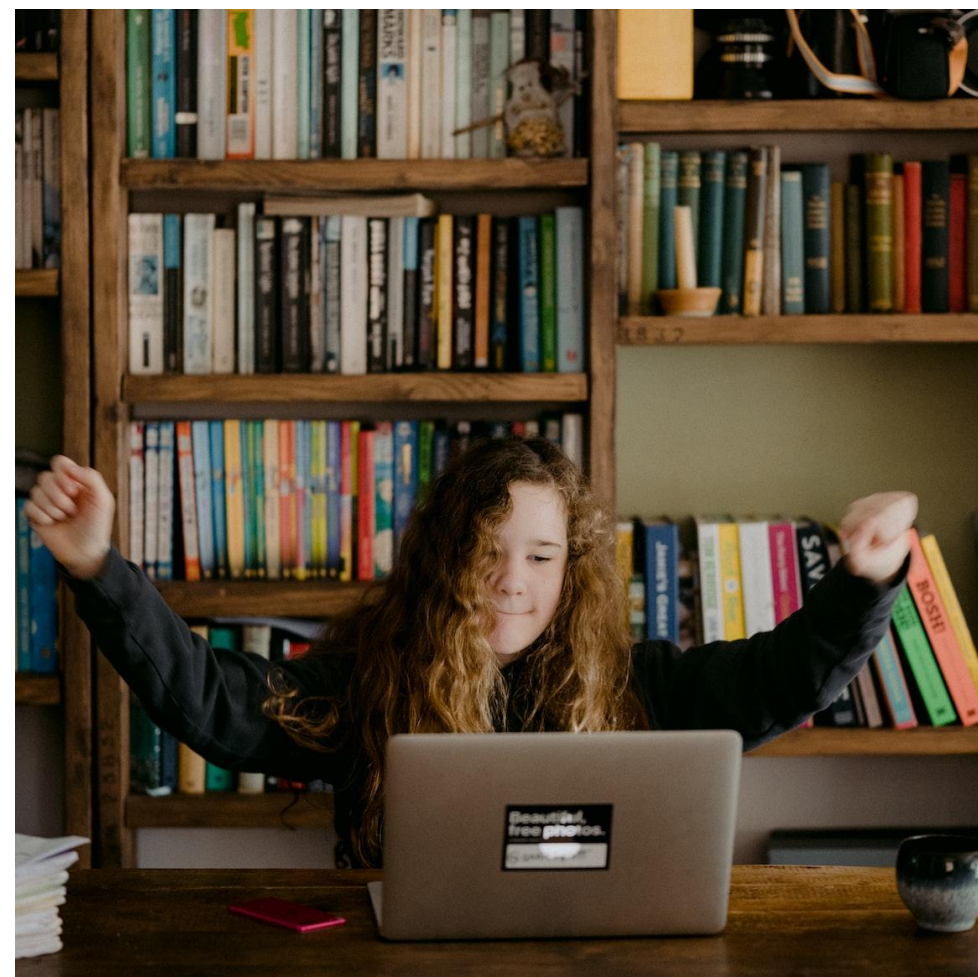
Code Club Format



Drop in



Come & Go



Self-Paced & Self-Guided

You got this! 🚀



