



Supporting CoderDojo Girls


A Guide for Ninjas

**“Don’t let anyone or
anything stop you”**

–Garima Singh

Founder of Round Rock Dojo, Texas



A photograph of two young girls with long brown hair looking intently at a custom-built robotic device. The device is constructed from a light-colored wooden frame and features a glowing purple light source. Various electronic components, including a breadboard and wires, are visible inside the frame. The girls are positioned in the background, with the robot in the foreground. The image is overlaid with several large, semi-transparent colored circles in shades of purple, green, orange, and blue.

In 2016
29% of Dojo
Attendees were
Girls

That's
13,900+
female
Ninjas!

What is CoderDojo?

CoderDojo is a movement that gives young people, aged 7 to 17 the opportunity to learn how to create with computers & technology in a fun, relaxed way. CoderDojo currently has more than 1,200 clubs all over the world! We call our clubs “Dojos” and we call the young people who attend Dojos “ninjas”!



A Dojo is different from school

Dojo's are free, fun and bursting with cool resources that help you to understand the technology you use everyday and create your own ideas with technology. There is no teacher in a Dojo, instead the sessions are facilitated by volunteers who mentor all attendees. At a Dojo you choose what you want to learn about and you choose how you should learn it. There is freedom to apply your learning to your interest through developing projects. We only have one rule, 'Be Cool'.

“Technology touches every part of our lives. If you can create technology, you can change the world.”

Susan Wojcicki,
CEO YouTube



Why Should I join?

Have you ever wanted to create something with technology? Anything at all, a game that you and your friends could play together, or maybe a website full of information to help your peers with school, maybe you've even thought that it would be great to build a robot to help you with your chores! Well through learning different computer programming languages (code) at your Dojos you can do this.. Learning to code means you can create with and control technology.

Technology gives you the chance to change and impact the world around you. You can design and create new and exciting technologies that could solve problems you know are affecting the world. We think that's pretty cool.

In addition to learning to code (and having fun of course!), you get to meet other children like you, make new friends and work on projects that are as unlimited as your imagination.



What Have Other Girls Done At CoderDojo?

Ruxandra-Ileana who attends her local CoderDojo club in Romania coded a HTML website called 'Coding girls'. Ruxandra entered her website into the Coolest Projects Exhibition and flew over to Ireland to attend the event.



Lexi loves using technology to create cool wearables she can show to her friends. She programmed a wearable platform board called a Gemma to flash different colours. She made it into a badge to attach to her jacket so she can show off her tech-fashion anywhere!

Siofra is 15 and designed a project called 'Flash Run'. She programmed Arduino Unos and a Raspberry Pi to create an exercise game where people have to race against the clock to hit a flashing button which is randomly selected from a number of cones.



There are lots of games and resources that can help you start creating with tech. Our brand new book, **CoderDojo Nano: Create with Code**, is great for helping you to develop coding skills at your own pace.



"Don't be afraid of making mistakes! Learning to code is exciting and frustrating, and it can take a while sometimes but that's okay."

–Aoife Kearins, winner of the Future Makers Awards 13-17 year old category

There is a wealth of free, easy to follow, learning resources available to girls and boys from CoderDojo. On [our website](#) young people can find and print out "Sushi Cards": these are easy to follow concept cards for various programming languages.

Additional Resources

[Make a Flappy Bird Game: Hour of Code \(Ages 6-10\)](#)

[Minecraft: Hour of Code \(Ages 6-10\)](#)

[App Inventor Beginner Sushi Card \(Ages 7+\)](#)

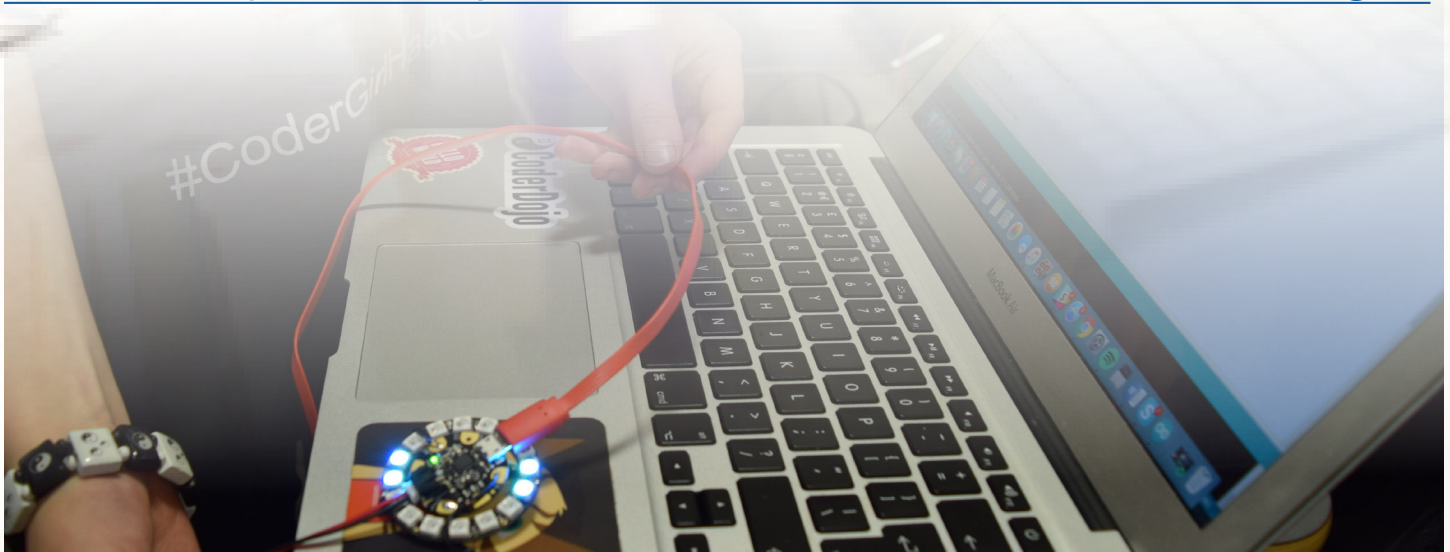
[Frozen Puzzle: Hour of Code \(Ages 8-10\)](#)

[Starwars Javascript Puzzle: Hour of Code \(Ages 11+\)](#)

[My First Website: CoderDojo Sushi Card HTML/CSS \(Ages 8-12\)](#)

[Intermediate HTML/CSS: CoderDojo Sushi Card \(Ages 9-13\)](#)

[codecademy.com](#) also provides free resources suitable for older girls



See what you can do with code by attending your local Dojo!

