

WHY GIRLS CODE



Why Girls Code

We live in an age when there are wonderful advances in science—and from smartphones to self-driving cars, many of these wouldn't exist without code! When it comes to preparing your daughter for the future, there are few better ways to do so than to help her learn to code. Girls who make, design, and create things using technology may develop a stronger interest and greater skills in computer science and engineering, potentially reducing the [tech gender gap](#).

In fact, coding can help your daughter develop academic skills applicable to any grade level, as well as critical life skills like organization, perseverance, and problem solving!

Perhaps most importantly, learning to code builds confidence. Studies show that girls' [confidence](#) drops between the ages of 8 and 14. By taking risks and learning from their mistakes as they code, girls get the chance to bolster their confidence at a critical time in their development.

"I think it's good for her to learn about this early, as far as being able to solve her own problems, to know that it doesn't have to be where she can't do something. She's a girl and she's young, but that doesn't stop her from being able to do things."

– Featured Maker [Mia](#)'s mom, on the importance of the confidence and problem-solving skills built by coding

The key to getting more girls interested in CS is to encourage and expose them to making. Whether it be through designing, building, coding, or the arts, making provides girls with a pathway to learn and explore new ideas and technologies.



“At first, I was just drawing, but then I saw the little bar where you can make the characters move and speak and change the background, so I tried that. At first, I thought it was really tricky, so I just did the drawing, but then I tried it, and now I do that too!”

– Featured Maker [Lilly](#), on how she went from drawing to coding in Tynker

In addition to the many practical and innovative uses for code in today's world, it is also a creative medium. With a coding education, your daughter can use her new skills to create almost anything she imagines!

Encouraging Your Daughter to Make with Code

How do you help your daughter use coding as a creative outlet? Start early and focus on her interest. Boys often learn to code at an early age through activities that are traditionally geared at them, such as gaming and playing around with computers and robotics. By the time girls get exposed to coding, often in middle school, they can feel left behind, intimidated, and discouraged.

Think about the activities and games that your daughter gravitates toward—chances are, there's a coding path for her!

She Enjoys Storytelling

Kids who love telling stories find a powerful medium in coding. The ability to code offers girls a creative way to bring their stories to life, whether that is by adding animations and

music or by programming their story to react to audience input. If your daughter thrives when she's building her own worlds through stories, encourage her to [create a project](#) and share it with the Tynker community!

"It's fantastic to have an idea and be able to realize it in that form. When you're a painter, you've got your easel and your paints or when you're a composer you're writing to the score, but you're creating whole worlds of another kind with coding! You're moving machinery, you're creating worlds for other people to immerse themselves in. It's about that potential for sharing the idea in your head and making it something that other people can share in."

– Ivana, Featured Maker [Mishka's Mom](#)

She Wants to Change the World

For girls who seem to have endless ideas about how to make the world a better place, coding can serve as an expressive medium as well as a platform from which she can spread her message.



"I'm going to make a communication device. My brothers have Down Syndrome, so it'd be kind of cool to have something they could communicate through, or a communication device that keeps you company, or a fun communication device for kids with CP (Cerebral Palsy)."

– Featured Maker [Hannah](#), who codes projects to help those around her

She Likes Gaming

If you have a gamer on your hands, there's no better way to draw her into coding than with the possibility of creating her own games! Kids get a sense of satisfaction from making games and sharing them for their friends to play. If your daughter loves to spend her time gaming, motivate her to step into the role of a maker rather than a consumer.

"If I code I can make my own games, enjoy it, and have a fun game to play."

– Featured Maker [Yvon](#), who wants to be a programmer now that she's learned to code with Tynker



Yvon created a [multi-level hangman](#) game in Tynker.

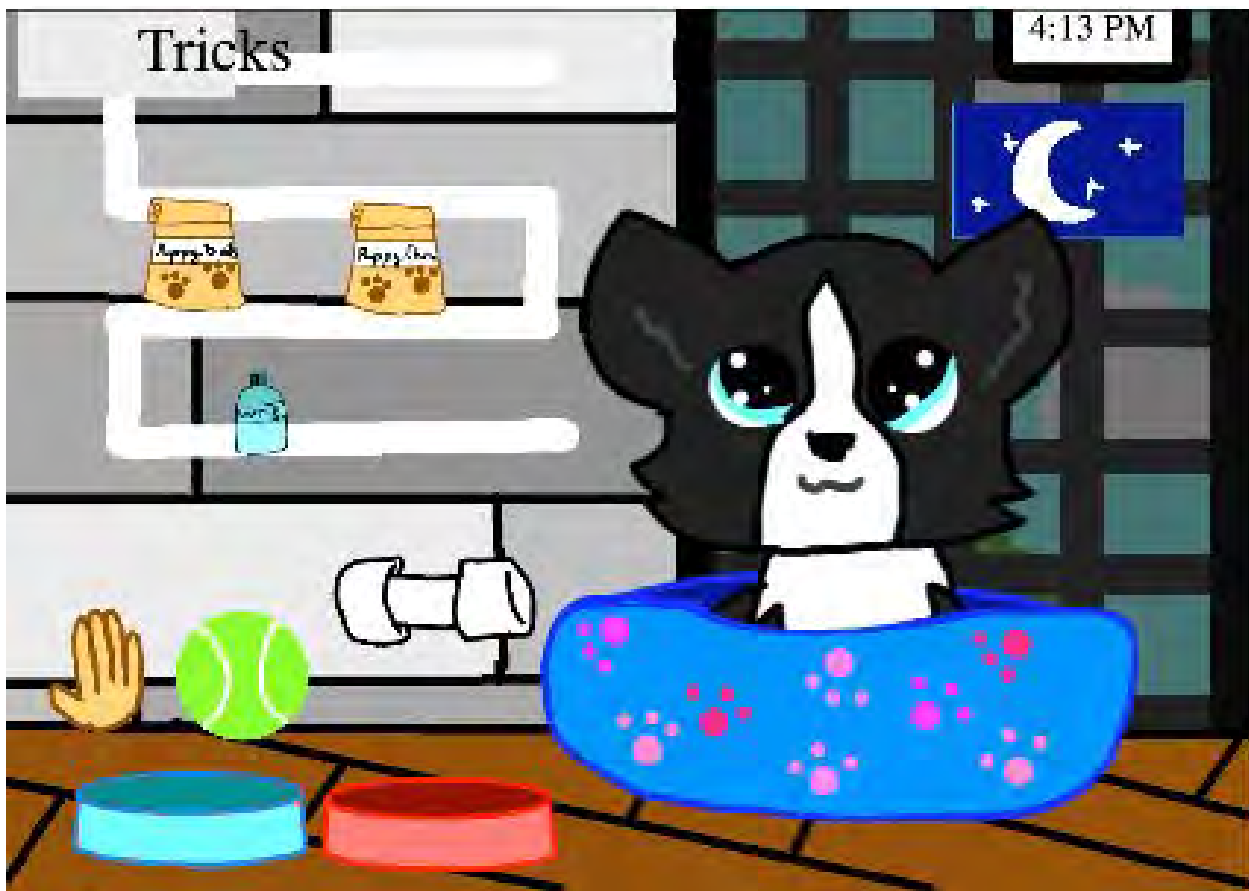
She is Creative

Does your daughter immerse herself in creative, artistic endeavors? Programming is a fun, new way for her to express herself. Kids can draw and animate their own characters to create a dance party, a pet puppy simulation, or anything else they can imagine!



"I think coding is fun because of the endless possibilities. You can make something totally random into a programmed masterpiece! Turning nothing into a unique and special idea is spectacular, and coding applies to this."

- Featured Maker [Ysabella](#), who loves science, math, art, and coding!



Ysabella uses Tynker to create projects like [My Pet Puppy](#)

She's a Hands-On Learner

Some kids learn best when they're involved in an exciting, real-world activity. If that sounds like your daughter, drones and robots may be the best way to help her love to learn coding. Even kids in elementary school can program their own drones to perform stunt and tricks – and there's nothing more satisfying than seeing your code come to life in front of your eyes.

"Over the last month, I have seen their confidence build as they went from coding their drone to hover off of the floor to flying their drone around the room without crashing into any obstacles."

– Towne Meadow Elementary School Teacher [Josie McKay](#)



Josie McKay's students challenge themselves in Drone Club.

How to Begin Coding with Tynker

Teaching your daughter to code can feel like a daunting task, especially if you're not a programmer yourself. Our team at Tynker has made it our mission to help kids learn to code – whether or not their families have technical backgrounds. Our interest-based coding courses and activities ensure that every girl can find a learning path she's excited to pursue!

Your daughter will begin by using Tynker's visual blocks to learn fundamental programming concepts, then graduate to text coding languages like JavaScript, Python, and Swift as she gains confidence in her new abilities.

"Tynker is awesome," says Tynker user Kami as she walks us through a complex multi-level game she created where players must catch ice cream scoops that fall from the sky. "There's always a block for what you want. It's simple, quick, easy, and fun to do. When I grow up I'll be able to make games that I like because they are my ideas!"



At Tynker, we see confidence soar as girls build better and more complicated programs. Empowered to create things that interest them, like dancing games and animated birthday cards, girls code amazing projects that they can share and play with their friends.

Parents agree: Andrea says of her daughter Elizabeth, "She's now inspired, enthusiastic about programming (she had no interest before), and wants to make games. She has learned persistence at getting things done and the confidence to work through complex challenges."

Another parent, Sue, remarks: "Tynker is great for confidence building. Millie feels in control and it gives her a lot of confidence to feel that she is learning such cool stuff, really all by herself."

When girls learn to code, there's no telling where the skills and confidence they build will take them. See what your daughter can achieve with Tynker!

Join Tynker for Free

Create a free Tynker account to give your child access to fun coding activities. Access to our safe and secure tools is free – forever.

- Get started with free coding puzzles
- Code simple projects using tutorials
- Create Minecraft skins and mods
- Safe + Secure

Enroll in a Premium Plan

Master skills five times faster with award-winning courses and tutorials. Watch kids learn to code and build amazing things.

- 2,000+ fun learning activities
- 23 online courses
- 11 iPad courses
- Private Minecraft server
- Student progress tracking
- Affordable & flexible plans