Raspberry Pi Foundation

Code Club annual survey report 2025

Highlights

About Code Clubs

*(Based on responses from 800 clubs) **(Based on responses from 850 clubs)

7,494
Code Clubs in **102** countries have run in the last two years

96%
of clubs report creators have increased their skills in computing and digital making

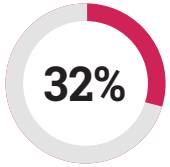
97%
of clubs report creators have increased their confidence to engage with technology

We estimate
257,000
creators are involved in clubs*

43%
of creators attending clubs are female**

Code Club works! An **independent** study by Durham University Evidence Centre for Education (DECE) in 2024 found Code Club creators **developed coding skills**, **positive attitudes to coding**, and wider skills such as **problem solving and communication**.

Serving areas of disadvantage



of clubs in the US, Ireland, and the UK are in areas of disadvantage*

clubs are in low- and middle-income countries

*Disadvantage in the UK defined as clubs whose IMD score is 1–4. In the US, this is defined as Code Clubs in the 40% most deprived census Tract areas according to the SDI measure. In Ireland, this is clubs operating in the 40% most deprived electoral districts according to the Pobal HP index.

What our club mentors say about Code Club

"They come into the club with no coding skills (some barely know how to use a computer) and leave as competent, literate, coders."

Code Club mentor, Canada

"Attending Code Club has boosted the confidence of all the children involved when it comes to working with technology, they often leave with a strong sense of achievement."

Code Club mentor, UK

Introduction

Code Club is a global movement of free coding clubs where school-aged creators develop the confidence to create with digital technologies.

Code Clubs take place in schools and community venues like youth clubs, libraries, and maker spaces, and are run by teachers, educators, and mentors from all walks of life — known as 'mentors'.

This year, we've heard from 1,689 clubs and 775 mentors through the annual survey, which we sent out in March 2025, and we've collected feedback from partners through short polls and direct contact. Not all questions were included in every survey, so the response numbers are different for each question.

We have used this feedback to estimate our reach and impact, and to understand the experiences of creators and mentors across our whole network of clubs. These findings are based on answers from 8 to 26% of clubs (depending on the question), so they may not be representative of the entire clubs community.

257,000 creators attend our clubs

This number is based on the estimated average number of attendees per club, estimated from survey responses, multiplied by the number of clubs confirmed as active. We estimate the average reach per club to be 32 in the UK and Ireland, 37 in the US, Kenya, and South Africa, 16 in India, and 54 everywhere else. These averages are based on survey responses, capped at 200 creators per club to mitigate the impact of a few high-reach outliers, which inflated the overall average.

7,494 Code Clubs in **102** countries

1,001 new Code Clubs have been set up since January 2025

32% of clubs in the US, Ireland, and the UK are in areas of disadvantage*

38% clubs are in low- and middle-income Countries

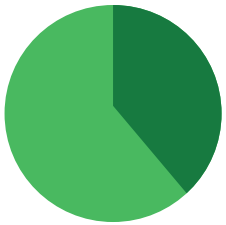
*Disadvantage in the UK defined as clubs whose IMD score is 1–4. In the US, this is defined as Code Clubs in the 40% most deprived census Tract areas according to the SDI measure. In Ireland, this is clubs operating in the 40% most deprived electoral districts according to the Pobal HP index

"The children love it. There is a diverse range of academic abilities/ significant SEN [special educational need] – but all have been able to achieve new learning. Children have been able to support each other."

Code Club volunteer, UK

"They have learned coding languages which would not have been accessible to them outside of the coding club (we are a very deprived area). They have created pieces of work they are extremely proud of and want to pursue. Most of these children find it difficult to continue working on projects for more than a day and this has taught them patience and given them a sense of pride in their work."

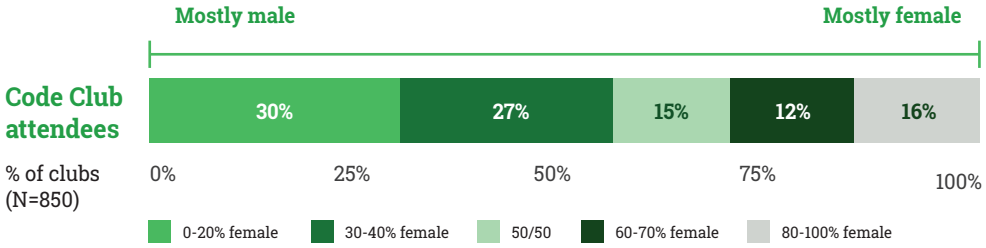
Code Club volunteer, Ireland



Girls represent 43% of Code Club attendees

28% of Code Clubs have mostly female attendees.

% female % male (N=850)



"Women aren't usually thought of as being able to do things like coding. It's fun to do it and nice when you can do something and prove people wrong."

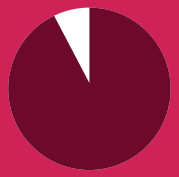
Code Club creator, UK

"Girls who didn't think it was for them now have confidence."

Code Club volunteer, UK

"I am excited about the participation of girls. I believe this will bridge the gender digital divide." Code Club volunteer, Nigeria

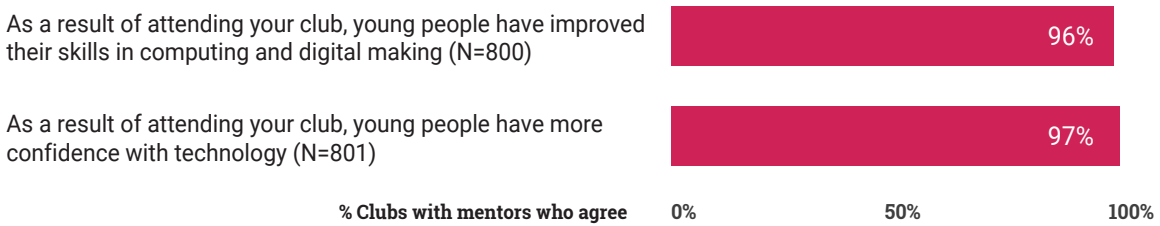
Creators who attend a club show an increase in confidence, skills, and interest in computing



96% of volunteers agree

that young people have increased skills in computing and digital making and confidence to engage with technology.

Perceived changes in creators' skills in computing and digital making or confidence to engage with technology



Evidence of impact

In 2024, the Durham University Evidence Centre for Education (DECE) conducted an independent evaluation of Code Clubs in the UK that confirmed earlier evidence: attending Code Club leads to positive outcomes for creators.

The DECE evaluation showed that young people who attend Code Club

- Build their coding skills
- Become more confident in learning coding
- Develop positive attitudes to coding
- Develop a sense of belonging
- Develop a range of life skills such as problem solving and communication

More details are available in our report.

Our mentors told us that Code Clubs have an impact on creators in the following ways:

Confidence

Code Clubs help creators develop self-assurance, not just in their technical abilities but also in their social interactions and willingness to try new things.

"[Creators become] more confident using technology and making friends. Some really come out of their shell compared to when they started."

Code Club mentor, UK

Skill development

Code Clubs provide a space for creators to gain and improve a variety of skills, including coding, problem solving, and digital literacy.

"Developing competence in digital literacy and gaining experience and hands-on learning in new areas will allow [creators] to discover [their] strengths and have opportunities to venture into new fields."

Code Club mentor, Korea

Enjoyment

Code Clubs foster a fun and engaging environment where creators can explore technology and learn to code in a creative and self-directed way.

"One of our core principles is that coding should be fun… we give them creative ways to expand on the task. They learn to push themselves a bit beyond a task, and look for more things."

Code Club mentor, Netherlands

Social skills

Code Clubs provide opportunities for creators to interact, collaborate, and build relationships with their peers, enhancing their communication and teamwork abilities.

"One great outcome has been the socialization that occurs. Kids in our club are definitely making friendships and improving their soft skills."

Code Club mentor, USA

Impact in depth

Inspiring continued participation

Our mentors told us that Code Club inspires creators to develop a passion for technology by connecting learning to real-world applications, developing problem-solving skills, and providing opportunities to be creative and try new things. This inspires them to continue to develop their coding and computing skills.

"It has increased their passion for tech and how to create new things to solve problems."

Code Club mentor, Ghana

"In several instances we have found that some students have discovered that coding is their 'thing', where they were struggling with other topics. This has given them something to look forward to and boosted their confidence."

Code Club mentor, UK

Code Club mentors told us that creators often go on to study computing, coding, and STEM subjects in school as well as going on to work in these sectors.

"A number of the members who keep participating are opting to go into technology-related careers."

Code Club mentor, Japan

Collaborative working

Code Club mentors told us that creators really value collaborative working. Code Club encourages them to support one another and collaborate.

"Children can work at their own pace and help each other."

Code Club mentor, Columbia

Code Club mentors told us that opportunities to share their projects and skills with their peers boosts creators' confidence and communication skills.

"They really enjoy sharing their knowledge and children who may not have interacted previously love coming up to the front of the class to showcase their learning."

Code Club mentor, UK

In an interview, one South African Code Club leader told us about a creator who really benefitted from this approach. His behaviour in school had improved as a result of being part of Code Club. The Code Club environment encouraged the creator to explore and turn to his peers instead of the teacher for support and guidance which is in contrast to the typical classroom experience. This approach had increased the creator's motivation for learning.

Code Club resources

For many mentors, the Code Club Projects site is a key resource for their club. They found that the resources helped them to save time on planning sessions, and that the easy-to-follow, step-by-step instructions helped them to facilitate clubs, regardless of their own experience levels.

"We like these resources, they are well designed and help us in dealing with different age ranges of the attendees in one technology."

Code Club mentor, Romania

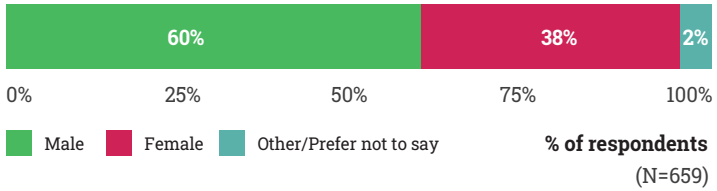
"These resources are extremely helpful, particularly for mentors with limited experience; step-by-step guidance is very useful and effective."

Code Club mentor, Tunisia

Our clubs are run by a mentor community of thousands

In total, we estimate **22,000** adults run Code Clubs.

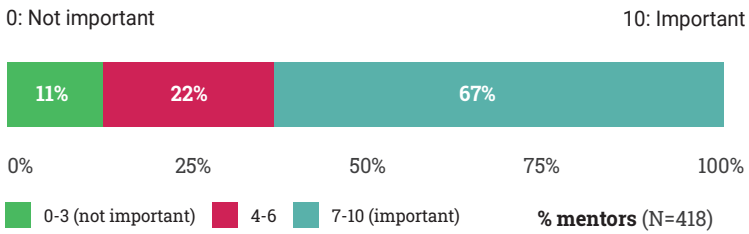
Gender of club leaders/champions



In total, we estimate **46%** of mentors in schools are female

compared to **33%** of mentors in other locations

To what extent do you feel belonging to a global community of clubs is important to you/your clubs?

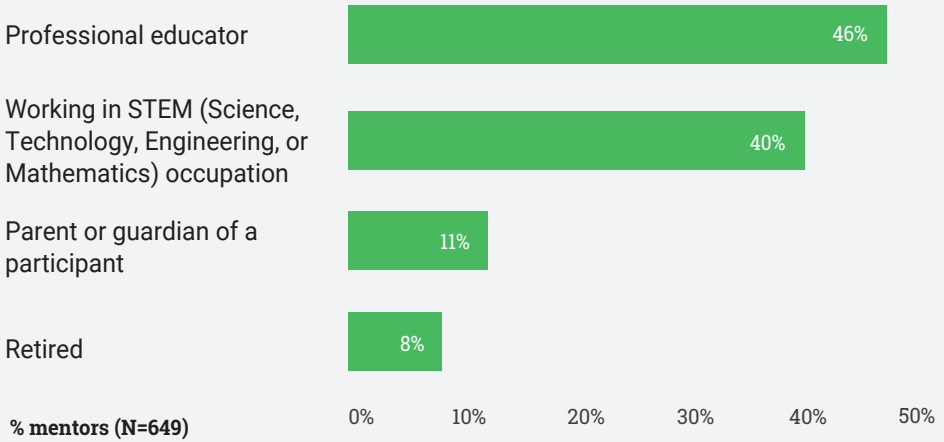


Code Clubs have an average of **3** mentors per club (N=570)

"I really understand the potential of these young guys and gals – and love it when I see a spark, a child staring at code with a focused determination."

Code Club mentor, UK

Background of club leaders



Mentors could give multiple answers

Our resources and support equip and empower mentors

Code Club projects

1,416 clubs told us they mostly or always use the Raspberry Pi Foundation projects or pathways on the Code Club Projects site.

"I think [Raspberry Pi Foundation projects are] really easy to understand and encourage young people to learn more and more."

Code Club leader, Brazil

The most common technology used in Code Clubs is

Scratch is used by **99%** of clubs*

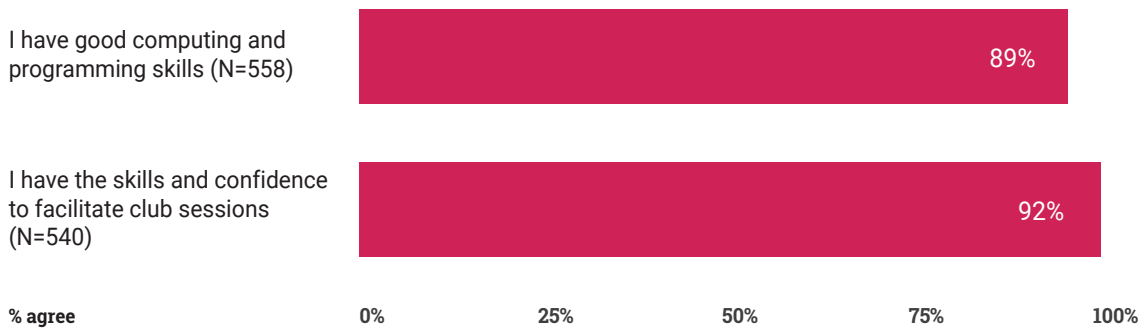
Python is used by **57%** of clubs*

HTML/CSS is used by **40%** of clubs*

*543 Code Clubs asked

Training

Mentors agree that they have the skills and confidence to facilitate club sessions



85% of the 588 mentors who responded about their training have attended at least one training experience provided by the Raspberry Pi Foundation.

How do we support Code Clubs to overcome challenges?

Limited digital literacy and lack of access to technology

In some regions, Code Club provides creators with their first significant encounter with digital making. A mentor in Kenya told us that Code Club ensured that creators in his area were not "left behind".

We work with partners in areas of educational disadvantage to ensure that Code Clubs are available to creators from all background to address this need.

"We met young people who had never used a computer."

Code Club mentor, Canada

"...access to coding is very limited, our club contributes to reducing this inequality."

Code Club mentor, Tunisia

Resilience

Some creators struggle with resilience and perseverance with coding. Our Code Clubs are designed to keep young people engaged by giving them freedom to be creative.

The Code Club activities we design are based around creativity and fun. [The] "kids are having a blast."

Code Club mentor, USA

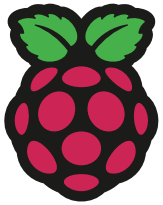
Becoming creators not just consumers

Many creator are initially more interested in playing games than in digital making. Code Clubs help to take "the mystery" out of technology, showing creators what "lies behind their favourite games".

Code Clubs projects are designed to appeal to creators' interests, including creating their own games. [Attending Code Club] "... combined with watching peers make cool things seems to be a great encouragement to go build rather than just consume."

Code club mentor, Japan

Supporter page



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