

Raspberry Pi
Foundation

Clubs annual survey

2023 report



Introduction

The Raspberry Pi Foundation supports the world's largest network of free informal computing clubs for young people through Code Club and CoderDojo.

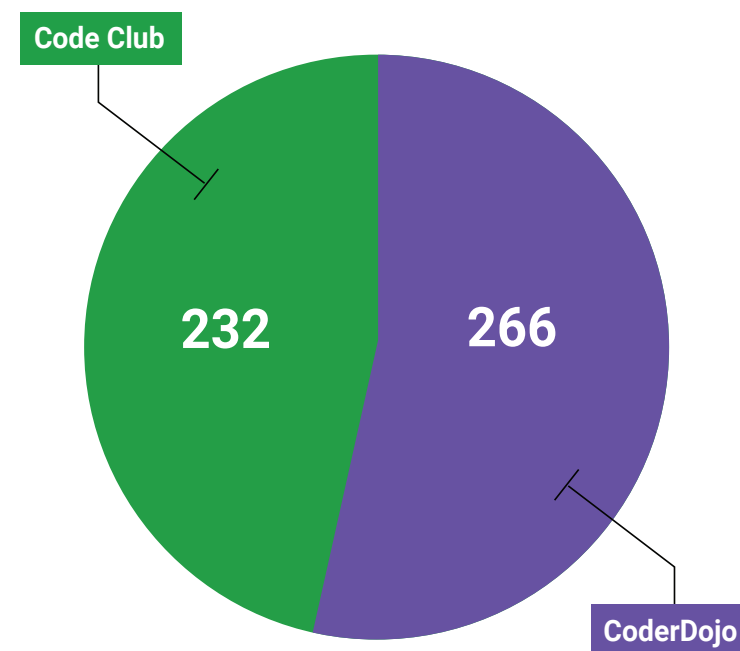
Code Club is a global network of after-school coding clubs for learners aged 9 to 13. In Code Clubs, educators and other volunteers help young people learn about coding and creating digital projects. CoderDojo is a global network of community-based programming clubs for young people. In Dojos, volunteers give 7- to 17-year-olds the opportunity to learn how to create with technology.

Every year, we send out an annual survey to all Code Clubs and Dojos. The survey findings help us understand our impact and uncover insights we use to improve the experience of the club volunteers, and to support their work with young people in communities around the world.

In March 2023 we sent the survey to 13,261 Code Club volunteers and 1560 CoderDojo champions and received a total of 498 responses that are included in our analysis.

We have used the findings to estimate our reach and impact and the experiences of young people and volunteers across our whole network of clubs. However, as the findings are based only on answers from 498 volunteers, they may not be representative of the entire clubs community.

Survey respondents



139,000 young people attend our clubs

4213

Code Clubs.

27

young people reached by each club over the course of the year on average.
An individual session is typically attended by 16 young people.

112,000

young people reached in total.

72% of Code Clubs

operate in school premises (primarily state schools). 22% operate in libraries and other public community spaces, and the rest run in other venues.

98% of Code Clubs

have one or more attendees in the age range of 9 to 13.

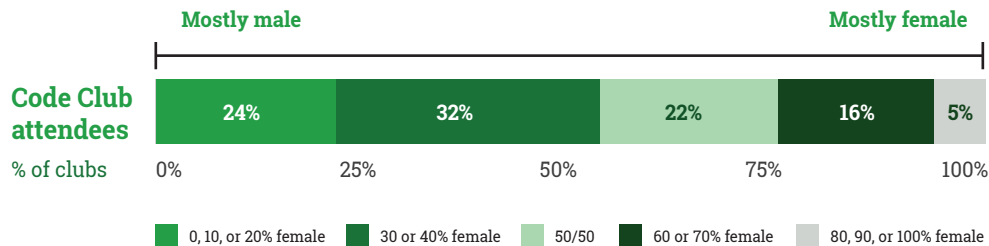
58% of Code Clubs

include attendees outside of this age range.



Girls represent 42% of Code Club attendees

21% of Code Clubs have mostly female attendees.



711

CoderDojos.

38

young people reached by each Dojo over the course of the year on average.
An individual session is typically attended by 14 young people.

27,000

young people reached in total.

More than half (52%) of CoderDojos

are run in public community spaces or libraries. 13% are run in schools, 11% in office spaces, and 11% in universities or tech hubs/maker spaces.

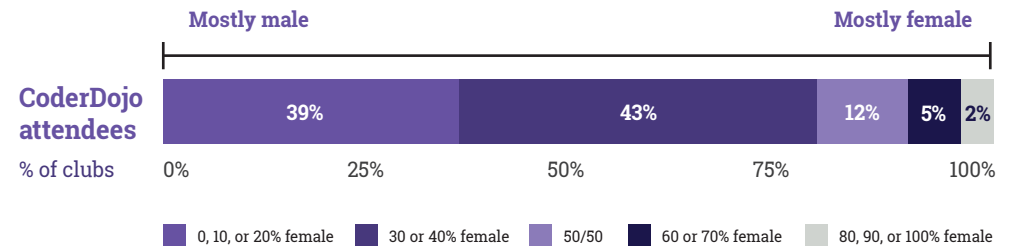
Over 75% of CoderDojos

have young people at each age from 8 to 12 attending, and a significant proportion (more than half) have 7-, 13-, and 14-year-old attendees.



Girls represent 30% of CoderDojo attendees

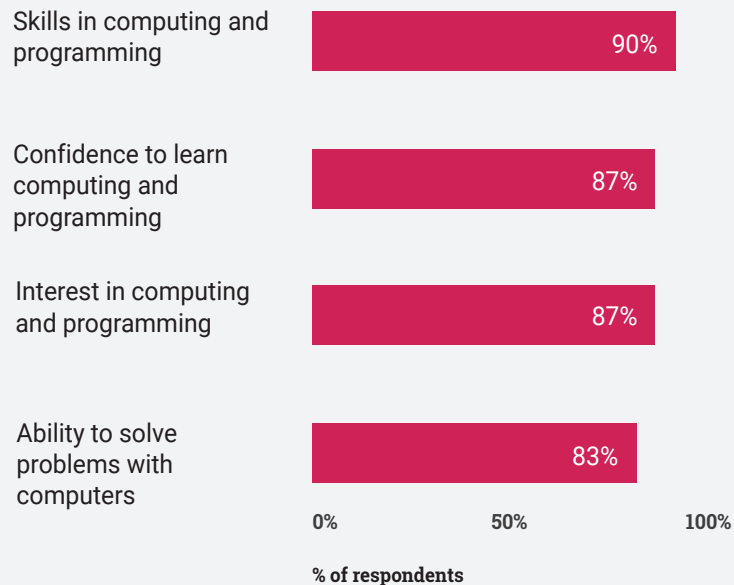
6% of CoderDojos have mostly female attendees.



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

95% of volunteers reported an increase in at least one of the following: young people's interest, confidence, or skills in computing and programming.

Perceived change in young people's skills, confidence, and interest (respondents stating "small increase" or "large increase")

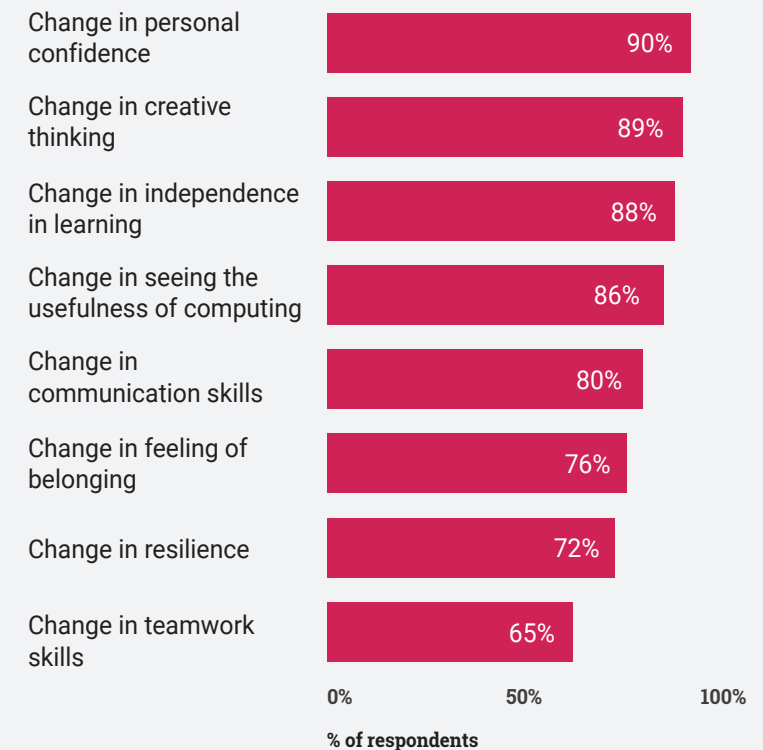


88%

of volunteers agree that after attending a club, young people are interested in additional experiences of learning about computing and programming

Volunteers also reported that young people developed a wide range of other skills.

Perceived change in young people who have attended clubs (respondents stating "small increase" or "large increase")



Our clubs are run by a volunteer community of thousands

Half

of Code Clubs are run by more than one adult.



Volunteers under age 18 are in **27%** of Code Clubs.

In total, we estimate **8134 adults** and **2394 volunteers under age 18** run Code Clubs.

Half

of CoderDojos are run by five or more adult volunteers.



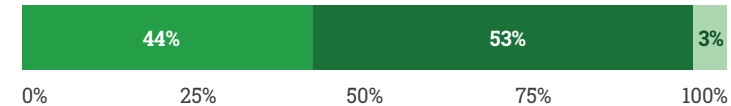
Volunteers under age 18 are in **52%** of CoderDojos.

In total, we estimate **3166 adults** and **795 volunteers under age 18** run CoderDojos.

The most common motivations for CoderDojo volunteers (for more than half) were hearing about it and thinking it looked interesting, liking teaching young people, and wanting to share their technical knowledge.

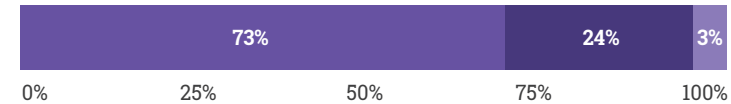
Gender of club leaders/champions

Code Club Male Female Other response/Prefer not to say



% of respondents

CoderDojo Male Female Other response/Prefer not to say



% of respondents

Most **Code Club** leaders are female.

CoderDojo responses were largely from Japan, where 86% of champions are male.

Over half

of CoderDojo volunteers have been involved for

5

years or more.

Background of club leaders/champions

Working in a STEM-based occupation 28% 64%

Professional educator 53% 23%

Librarian or library staff 11% 21%

Parent or guardian of a participant 10% 12%

Other 28% 29%

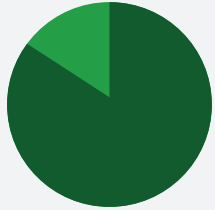
0% 20% 40% 60%

% of respondents

Code Club CoderDojo

Club leaders are most commonly professional educators and/or working in a STEM-based occupation.

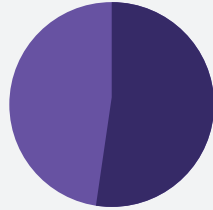
Our resources and support equip and empower volunteers



84% of Code Clubs

mostly or exclusively use resources and projects from the Raspberry Pi Foundation.

31% of clubs mostly or always use the projects in our 3...2...1...Make! project paths.



52% of CoderDojos

Being part of a community...

■ Not at all ■ To some extent ■ To a great extent

Helps motivate me in volunteering at my club



Gives me access to information and resources that help me run my club



Helps answer questions or solve problems about my club



0% 25% 50% 75% 100%

% of respondents (all clubs)

Volunteers benefit from being part of a global community of clubs.

Common challenges respondents faced were:

- Keeping young people focused and engaged.
- Issues with technology and equipment.
- Recruiting young people and volunteers (especially for CoderDojo champions).
- The aftermath of the coronavirus pandemic.

Respondents addressed these challenges by:

- Introducing codealongs, pair programming, and group work.
- Providing rewards to young people.
- Lending laptops to young people and updating old computers.
- Sharing equipment between young people.
- Collaborating with other local organisations such as universities.
- Running online sessions.



Raspberry Pi Foundation, UK registered charity 1129409