2019-20
Girls Who Code
& Idaho Commission for Libraries
present
GIRLS WHO CODE
CLUBS OVERVIEW
AGENDA

- **Introduction from Valerie Tomici**
  Email: valerie@girlswhocode.com

- **The Movement For Gender Equity**

- **Girls Who Code Clubs**
  - Our Educational Philosophy
  - 3-5th and 6-12th Grade Clubs
  - Program Logistics & Support

- **Our Impact**
  - The Pipeline
  - GWC and Idaho Commission for Libraries

- **Girls Who Code Clubs in Idaho**
  - Q&A with Sherry Scheline, Donnelly Public Library
The Movement for Gender Equity
Today alone, there are...

500,000 open computing jobs in the U.S.

100K average salary

91% located outside of Silicon Valley

67% in non-tech fields
Not everyone is included in this opportunity...

Only 23% tech employees are women compared to 37% in 1995.

Only 19% students who receive a degree in computing are women.

Only 2% are women of color.
1,021 open computing jobs in Idaho in 2017

ONLY 435 CS Graduates in Idaho in 2017

ONLY 16% were female.

CS Statistics researched by code.org
“Girls Who Code works to inspire, educate, and equip girls with the computing skills needed to pursue 21st century opportunities.”

“Our vision is to reach gender parity in computing and technology sectors.”
WHO WE SERVE

Girls Who Code serves all girls, especially those who:

➔ Are underrepresented in computer science and technology fields in terms of race, creed or background

➔ Have little to no access or exposure to computer science education in school

➔ Are Free and Reduced Lunch eligible

➔ Identify as female regardless of gender assignment at birth or legal recognition

*For our Girls Who Code Club program, we welcome students of all genders to join!
Girls Who Code Clubs
GIRLS WHO CODE CLUBS OVERVIEW

Clubs are FREE after-school programs for 3-12th grade girls to join our sisterhood of supportive peers and role models and use computer science to change the world.

Clubs are led by Facilitators, who can be teachers, librarians, parents, or volunteers from any background or field.

No computer science experience needed!

Learn to code alongside their Club members with our comprehensive resources and support.
Educational Philosophy

MORE THAN CODE

SISTERHOOD

REAL-WORLD RELEVANCE & IMPACT
Our Club programs differentiated by age group feature the following:

**3-5TH GRADE CLUBS**

- **Time & Logistics:**
  - 5+ sessions
  - ~45-60 min per session

- **Skill Level:**
  - Beginner

- **Curriculum Features:**
  - Book Club Model
  - Chapter Guides for non-fiction and fiction series
  - Online or Unplugged Options

**6-12TH GRADE CLUBS**

- **Time & Logistics:**
  - 10+ sessions
  - ~1-2 hours per session

- **Skill Level:**
  - Beginner, Intermediate, Advanced

- **Curriculum Features:**
  - Girls Who Code Project Focus
  - Project-based learning
  - 120+ hours of Curricula
  - Beginner to Advanced Self-Guided Tutorials
  - Plug and Play Model - FLEXIBLE!
6-12TH GRADE CLUB CURRICULUM FOCUS

SISTERHOOD

MORE THAN CODE

Core4 Concepts: Loops, Variables, Conditionals, Functions

21st Century Skills: Real-World Relevance, Public Speaking, Project Management, Bravery, Resilience, Innovation, Creativity

IMPACT

Passion + Skills = GWC Project

Build Community

Alumni Network & Programming Access
6-12TH GRADE CLUB LESSON PLANS

5+ MIN  
Sisterhood Activity  
(optional)

5+ MIN  
Women in Tech Spotlight

40+ MIN  
Self-Guided Tutorials & GWC Project

LEARN → PLAN → BUILD → CELEBRATE

5+ MIN  
GWC Stand Up

Pick the Club Plan that's right for you based on the number of sessions you plan to hold!

Standard Club Plan

Use the activities we recommend below to create your Girls Who Code Project with your Club!

If you have more time during any one meeting...
- Give girls more time in the "Learn" or "Build" sections of each agenda.

If you have more than 15 meetings...
- Try out more of our "Build" activities to give girls more time to test and improve their project - just like real computer scientists!

Meeting 1 Welcome
Goal: Welcome everyone to your Club and explore the cool things you might build.
Agenda:
1. Celebrate - Welcome to GWC
2. Spotlight: Meet the Staff
3. Learn - Intro to Tutorials
4. Standups

Meeting 2 Find a Focus
Goal: Choose a theme for your GWC Project, and begin to get the skills you need to build it.
Agenda:
1. Spotlight: Grace Hooper
2. Plan - Find Your Focus
3. Learn - Work on Tutorials
4. Standups

Meeting 3 Research
Goal: Learn a little more about your Club theme and apply what you learn to your GWC Project.
Agenda:
1. Spotlight: Kayan Zhang
2. Plan - Research
3. Learn - Work on Tutorials
4. Standups

Meeting 4 Set Your Vision
Goal: Make a list of all of the ideas you'd love to include in your GWC Project.
Agenda:
1. Spotlight: Simone Giertz
2. Plan - Set Your Vision
3. Learn - Work on Tutorials
4. Standups

Club Plans

Agenda
Standard Club Plan
If you have 15 meetings or more, use this as your home base to help you create Girls Who Code Project!

Agenda
Mini Club Plan
If you have about 10 meetings, use this as your home base to help you create Girls Who Code Project!

Agenda
Design Your Own Club Plan
Use this template to plan your own path from ideation to creation.
A **GWC Project** is a collection of work centered around a topic that our students care about.
Teaching girls to be brave and resilient early in their lives has the potential for enormous impact on how they approach challenges—and whether they stick with coding in the years to come.
3-5TH GRADE CLUB LESSON PLANS

5+ MIN
Sisterhood Activity (optional)

15+ MIN
Read & Reflect

20+ MIN
Creative Challenge

5+ MIN
GWC Stand Up

IF YOU HAVE 45 MINUTES...
1. Build Sisterhood (5 minutes)
   - Make time for a quick activity that breaks the ice at the beginning of a meeting.
   - Take a peek at the Sisterhood Activity section for ideas.

2. Read & Reflect (15 minutes)
   - Read a suggested passage from the book, and discuss the related questions. Check out our Discussion Tips to guide you.

3. GWC Challenge (20 minutes)
   - Complete one of the suggested activities that connects to the passage you read. Challenge your girls to be brave, bold, and creative! If you’re trying an online challenge or using HQ with your students, read the Logistics section for more information.

4. Close-Out (5 minutes)

IF YOU HAVE AN HOUR OR MORE...
1. Build Sisterhood (10 minutes)
   - Make time for a quick activity that breaks the ice at the beginning of a meeting.
   - Take a peek at the Sisterhood Activity section for ideas.

2. Read & Reflect (15+ minutes)
   - Read a suggested passage from the book, and discuss the related questions. Check out our Discussion Tips to guide you.
   - If time allows, consider reading another passage together!

3. GWC Challenge (20+ minutes)
   - Complete one of the suggested activities that connects to the passage you read. Challenge your girls to be brave, bold, and creative! If you’re trying an online challenge or using HQ with your students, read the Logistics section for more information.

4. Close-Out (5 Minutes)
Girls Who Code HQ is our online learning management platform for all things Girls Who Code. This user-friendly platform is packed with customizable resources for you to access at your fingertips!

More resources are added on a rolling basis!
What You Need

SPACE

TECHNOLOGY (6-12)
OR
BOOK PASSAGES (3-5)

OR

FACILITATOR & DECISION MAKER
What GWC Provides

LOGISTICS SUPPORT
- Customizable Club Plans
- Student Recruitment Resources
- Clubs Fund, mini-grant $$
  (for books, supplies, snacks, robots, field trips, and more!)

CS SKILLS
- Custom Online Training
- Girls Who Code HQ Platform
- 120+ hrs of Curriculum (6-12)
- Chapter Guides & Scratch Tutorials (3-5)
- Extended CS PD Resources

COMMUNITY
- Sisterhood Activities
- Clubs Success Specialist
- In-person and virtual events, when available
- Alumni programming and networking
Meet Bethany, GWC Facilitator

3 REASONS WHY SHE WAS HESITANT TO START A CLUB

- No teaching experience
- No formal CS experience
- Nervous if the Club would be received well or highly attended

3 REASONS WHY SHE WAS GLAD SHE DID

- "It was totally well-received because in just 3 weeks after we started the Club, we grew from 2 members to 25."
- "The curriculum that GWC provides... sets you up with literally everything you need... I didn't have to worry about curriculum, and I could focus on building relationships with the girls and helping to develop their skills."
- "There is no perfect time to do something - just take a leap, be brave, and try it!"

3 THINGS HER CLUB GIRLS LEARNED

- "Coding is more accessible to learn than it seems"
- "The payoff of struggling and persevering is really worth it."
- "Working together always builds stronger results."
Our Impact
The National Pipeline

3rd-5th Grade Clubs
6th-12th Grade Clubs
College Loops
Alumni

6,500+
2018-19 CLUBS

185,000
GIRLS SERVED TO DATE

50% are from historically underrepresented groups.

Majoring in CS-related fields: 15-16X the national rate.
Girls Who Code partners with organizations to help launch multiple Clubs across the nation. We are proud to have partnered with the Idaho Commission for Libraries to bring computer science resources to Idaho!

Some of our other partners include:

Idaho Commission for Libraries affiliated Clubs receive the following benefits:

- Additional $100 Clubs Fund through the Community Partner Fund benefit
- Additional layer of support from our Idaho Commission for Libraries rep and GWC
- Priority access to virtual events
What Next?
How to Get Started

5 min
Create an HQ account

15 min
Fill out the Clubs Application

5-10 days
Get your Approval Email

Prior to Launch
Review resources & meet your CSS

Ready?
Launch Your Club!

After this, you access the app!

It only takes 15 min!

*Complete the background check only if you are a Facilitator who is NOT employed by the host site

Receive our Welcome Email with access to your Club Code for our curriculum! (i.e. HI123)

Log into HQ to access:
- Training webinar
- Recruitment flyers
- 120+ hr curricula
- And more!

You’ll also get an email intro to your CSS!

Help your girls enroll on HQ to access the curriculum!

Clubs with 3+ enrolled students gives you access to Clubs Fund $$!
Affiliate yourself with the Idaho Commission for Libraries to get access to partnership benefits & support when you apply at girlswhocode.com/clubsapply!

When you reach the below question on the last page of the Clubs Application, please list “Idaho Commission for Libraries” as your partner affiliation for the following question:

Is your Club affiliated with a Girls Who Code Community Partner (school districts, library systems, nonprofit organization, afterschool networks etc.)? Search for your affiliation here. If your Club is not affiliated, or your search returns no results, simply type "None". *

Note: this may take a second to load.

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Acero Schools
Achievement First
After School Matters
Meet Sherry Scheline, GWC Facilitator in Valley County, Idaho

DONELLY PUBLIC LIBRARY DISTRICT

- 3-5 Grade GWC Club
- 6-12th Grade GWC Club
Questions?
ICfL AFFILIATE? WE’RE HERE TO HELP!

Questions about the application, your background checks, or getting started?
Visit our FAQ Page at https://girlswhocode.zendesk.com/hc/en-us or email our Customer Care Team at clubs@girlswhocode.com!

Questions about launching multiple Clubs in Idaho?
Contact Emily Ong as the Girls Who Code representative for Clubs expansion in Idaho!

Emily Ong
Senior Community Partnerships Manager, Community Partnerships & Outreach
emily.ong@girlswhocode.com
Thank you for joining!

Have questions?

Valerie Tomici at valerie@girlswhocode.com
Emily Ong at emily.ong@girlswhocode.com