



CLUBS OVERVIEW

Girls Who Code is a national non-profit working to close the gender gap in technology. Our Clubs Program is free and open to 6th to 12th graders. Girls learn to use computer science to impact their community and join our sisterhood of supportive peers and role models.

WHAT CLUBS TEACH



CS Impact Project. At the core of a Girls Who Code Club is the CS Impact Project, where girls learn to use computer science to solve a problem relevant to their school and community. Through this CS Impact Project, girls expand their problem solving and computational thinking skills. They leave the Club with an appreciation for how they can use this way of thinking to impact their everyday lives.



Sisterhood. Girls Who Code Clubs provide community and support for girls to explore computer science in a fun and friendly environment. Beyond the classroom, Clubs members can tap into an alumni network of tens of thousands of girls across the country who are using computer science to make a difference.



Core4 Computer Science Concepts. Through the CS Impact Project, girls will learn the Core4 computer science concepts that form the basis for all computer programming languages. The Core4 concepts — loops, variables, conditionals, and functions — are critical whether girls want to build a mobile application, a website, or program a robot. Clubs members with more computer science experience will have the opportunity to explore more advanced concepts to enhance their participation in the CS Impact Project. For girls ready to go beyond the Core4, we also offer Extended Activity Sets.

YEAR AT A GLANCE

During the year, Clubs girls will work together and individually on a CS Impact Project, where they will learn to use computer science to solve a problem relevant to their school and community. While the timing may vary, we expect most Clubs to follow the following road map:

LAUNCH	1. DESIGN	2. BUILD	3. TEST	CELEBRATE!
2 SESSIONS	5-7 SESSIONS	10-14 SESSIONS	1-4 SESSIONS	2 SESSIONS
<ul style="list-style-type: none"> Girls begin building sisterhood, get a taste of the Core4 computer science concepts, and learn about the CS Impact Project. 	<ul style="list-style-type: none"> As a group, Clubs girls research their community, define an issue and plan the CS Impact Project. Girls also set goals for their CS Impact Project and each student's success. 	<ul style="list-style-type: none"> Girls work individually to learn the Core4 computer science concepts they'll need to build their CS Impact Project. They learn these concepts through lessons that vary in difficulty, programming language, and interest such as music, art, game design, and storytelling. At the same time, girls identify individual responsibilities for the CS Impact Project and work together to build the project. 	<ul style="list-style-type: none"> Girls test their project by sharing it with their community and identifying whether or not they met their goals. 	<ul style="list-style-type: none"> Girls celebrate their accomplishments and share their appreciations for each other.