

Cyber Robotics Coding Competition

Cyber Robotics Coding Competitions are online events, coding competitions, run at the district, state or regional level where students and schools compete online or in person to showcase their STEM skills.

Cyber Robotics Coding Competitions are interactive, fun, and exciting, providing students and educators with the opportunity to learn how robots work, to build coding & robotics skills with real or virtual 3D robots, and to expand their knowledge of STEM careers. In CRCC, students learn workforce relevant skills.

The flexible, low-barrier, high-impact education model provides key stakeholders in workforce development with the opportunity to help all students nationwide acquire STEM skills and the confidence to envision a STEM career.

WORKPLACE RELEVANT SKILLS

Computational Thinking

Self-Directed Learning

Creative Problem Solving

Time Management

Digital Literacy

Teamwork

CORE VALUES OF CRCC

Real-life Coding Skills and Tech Literacy

Help students learn and achieve proficiency in technology and coding that in-turn enables them to participate in computer science pathways and discover new career options.

Inclusiveness

Make coding and robotics accessible to all students by using the CoderZ online platform.

Diversity

Promotes high percentages of girls and minorities in each competition, opening STEM to all students from all backgrounds.

Accessibility

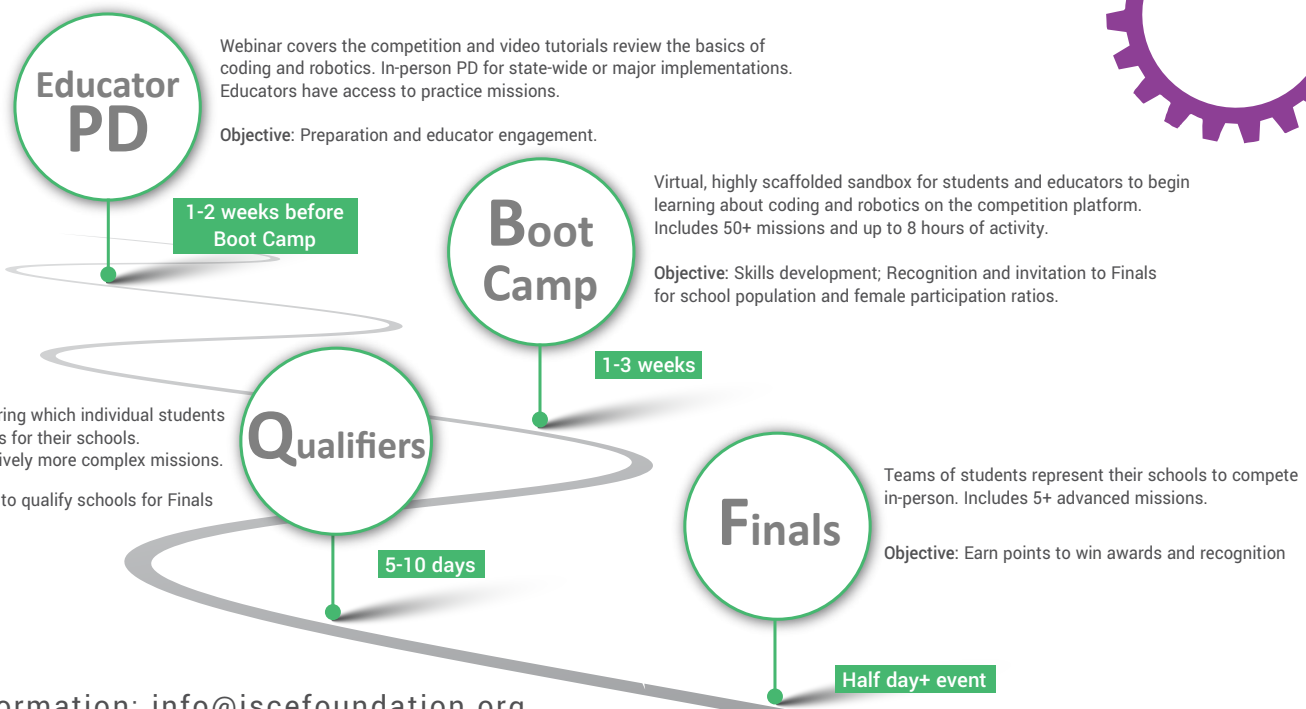
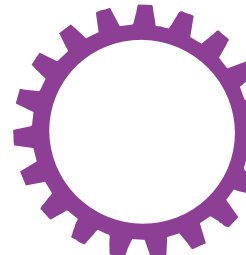
Reach all schools and learning environments, including urban and rural schools, clubs and with no previous STEM programs.

Measurability

Enables metrics that measure and monitor learning objectives.

Excellence

The competition is dedicated to improving the reach of STEM education and to help all students to achieve academic and personal excellence in STEM.



For more information: info@iscefoundation.org

CRCC Outcomes 2018/19



Texas:
52 Schools
4,293 Students



New Hampshire:
61 Schools
4,218 Students

Virginia:
35 Schools
2,498 Students



Vietnam
30,000+
Students



New Jersey:
83 Schools
6,427 Students

New York:
30 Schools
2,395 Students



Connecticut:
36 Schools
2,912 Students



Maryland:
27 Schools
1,785 Students



Pennsylvania:
104 Schools
6,444 Students

Nevada:
18 Schools
3,222 Students

UAE
2,375
Students



Paraguay
12,754
Students

Israel
12,300
Students

2017/18 Season

Four competitions
Over 31,000 Students

2018/19 Season

14 US states, 3 International events
80,000 students

Teacher Testimonials

"We absolutely loved this program and it gave students an opportunity to explore robotics/programming more!"

"THANK YOU for organizing such an amazing event"

"Being part of a state-wide competition makes it SO much more exciting!"

"I can't say enough about your program. It engages students in STEM and is FUN!!"

"My students LOVED the competition!!! Because it was online it gave them all equal opportunity to participate!"

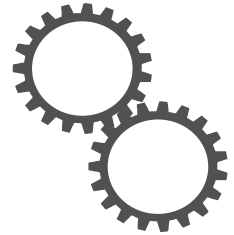
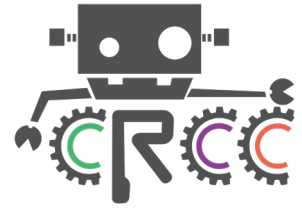
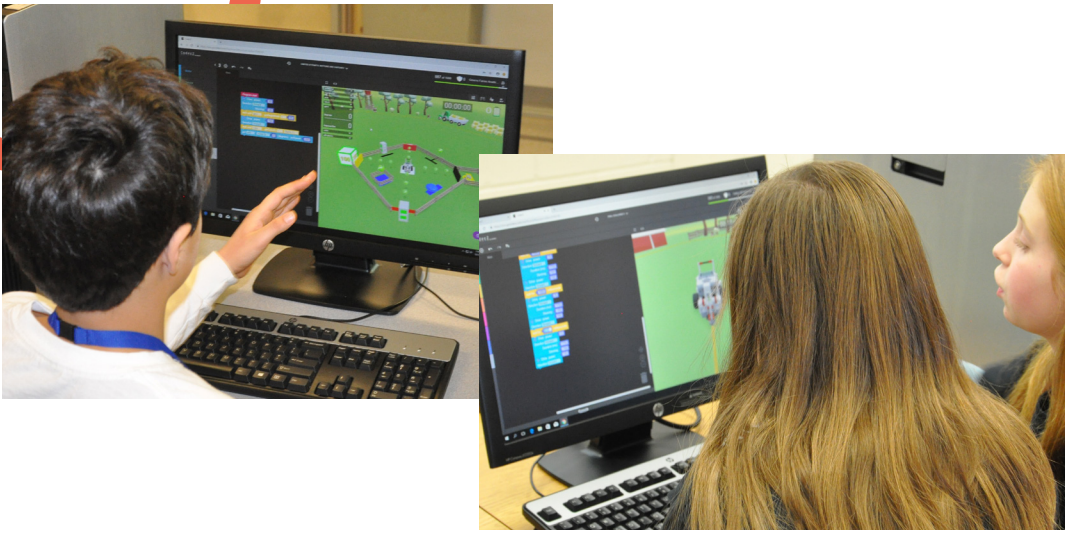


2018 100 Club

Texas: 37
Pennsylvania: 34
Connecticut: 7
Maryland: 12
New York: 15
New Jersey: 19
California: 5
New Hampshire: 55
Virginia: 5
Nevada: 15

100 Club members completed all 103 missions in Boot Camp and Qualifiers





Partnered with STEM and Education Leaders



Sponsored and Supported by Industry



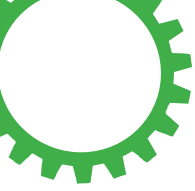
79,166 STUDENTS

715 SCHOOLS

Out of Over 200 Educators Surveyed....

- 100% believe CoderZ is engaging for students
- 98% believe the content is relevant for CS/STEM
- 80% are interested in using CoderZ STEM curriculum in school
- 92% would participate in CRCC again
- 90% would recommend to other teachers to participate in CRCC
- 56% offered to become CRCC Ambassadors

Bring CRCC to your schools
 Contact: info@isceffoundation.org



Cyber Robotics Coding Competitions Reach



Mission

Our mission is to accelerate the integration of STEM technology education programs in schools to support a diverse skilled 21st Century STEM workforce capable of advancing and prospering in the Innovation Economy.

Vision

Our vision is to resolve issues of diversity, inclusion and access to state-of-art technology educational programs for schools by leveraging e-learning environments and delivering in-demand STEM skill building.

Partner with Education

Educators

The CRCC program enables administrators and pedagogic leaders to influence teachers and students directly. This is a broad program that involves all levels of education.

Sponsors

Industry, educational organizations, non-profits and local and national government can invest directly in a program for the benefit of students that promotes the highest level of educational goals and promotes job readiness.

Students

Students of all types, with diverse interests and different skill levels can all participate in CRCC. The gamified approach, competitive spirit and focus on participation over excellence, involves more students than any other school activity.

What's in it for Educators?

- Motivational STEM program = high student involvement
- Community and local industry involvement
- Promotes diversity and inclusiveness
- Designed for accessibility, cost effectively
- Tech literacy for all
- Promotes in-demand career skills

CRCC Develops Workforce Relevant Skills

Computer Science Topics

- Computational Thinking, Conditional logic
- Code structure, Loops, Functions, Variables
- Inputs and outputs

Applied Mathematics Topics

- Calculations
- Geometry - shapes, polygons and angles
- Ratios, Scaling
- Nested arithmetic calculations

STEM & Engineering Topics

- Motor Control
- Sensor - Touch, Gyro, Ultrasonic, Color,

Soft Skills

- Strategy development
- Creative Problem Solving
- Critical Thinking
- Teamwork
- Time-management

Serves all Communities

- Public schools, private schools, charter schools
- Inner Cities
- Rural Communities
- Schools with no Computer Science Education
- Schools with some Computer Science Education
- All Genders
- Educators of all backgrounds and skill levels



2018 Outcomes

211,788 missions completed

204 participants completed all 103 missions

33% rural schools

38% from schools WITHOUT Computer Science

240 Title 1 schools

66% teachers have no experience teaching Coding

Bring **CRCC** to your schools. For more information: info@iscefoundation.org