

UC Davis Schedule

2019

RoboPlay

Racing & Automotive

MAY 18, 2019

UCDAVIS
C-STEM CENTER
c-stem.ucdavis.edu

C-STEM is a UC approved Educational Preparation Program for Undergraduate Admission to all UC Campuses

Message From the Director

Dear C-STEM Teachers and Students,

Welcome to the 2019 RoboPlay Challenge Competition!

As always, our C-STEM team has organized an extraordinary day for our C-STEM students. Our goal is for all our C-STEM students show off their teamwork, critical thinking, and problem solving skills in a fun environment. Today will be full of excitement as students overcome the racing and automotive challenges we have laid out. For the first time ever we are welcoming students from 5th and 6th grade into their own specialized division!

We are very proud to be a UC Approved Educational Preparation Program for undergraduate admission to all UC campuses. We are particularly proud of our C-STEM Math-ICT Curriculum which provides students with up to 13 years of computer science education through hands-on integrated learning of math and computer science.

As the program grows and expands, so does our wealth of curriculum and educational technologies. We are excited to announce our upcoming release of C-STEM Studio version 6.0 which overhauls the user experience to add more features for Linkbots with Arduino, Raspberry Pi, and RoboBlockly. In addition, this version will provide support for controlling hardware Linkbots from RoboBlockly and Chromebooks! As always, C-STEM Studio continues to be a freely available resource for all students and teachers.

We would like to extend a warm welcome to our new participants this year and welcome back those who are returning. We have an extraordinary group of students with us and are operating at maximum capacity of the UC Davis Pavilion. We have an impressive showing of over 150 teams between our two sites.

Excitement is also growing as we get closer to our Girls in Robotics Leadership (GIRL) and GIRL+ camps this summer where we will have more participants than ever before both in California and, for the first time, internationally.

We are proud of all of you.
Good luck in the competition!

Dr. Harry H. Cheng
C-STEM Center Director and Professor

Organized by

UCDAVIS
C-STEM Center

COASTLINE COLLEGE

RoboPlay Challenge Competition Schedule - May 18, 2019

| TIME | EVENT |
|------------------|--|
| 7:30 – 8:30 AM | Registration and Setup for RoboPlay Challenge Competition |
| 8:30 – 8:40 AM | Welcome and Introduction |
| 8:40 – 9:00 AM | RoboPlay Challenge Competition Introduction |
| 9:00 – 12:00 PM | RoboPlay Challenge Competition Problem Solving |
| 12:00 – 12:45 PM | Lunch Break |
| 12:45 – 3:45 PM | RoboPlay Challenge Competition |
| 3:45 – 4:00 PM | Break Time |
| 4:00 – 5:00 PM | Awards Ceremony: <ul style="list-style-type: none">• C-STEM Awards of Achievement• GIRL’s Leadership Award• C-STEM Awards of Excellence• C-STEM Scholarship• RoboPlay Video Competition Winners• RoboPlay Challenge Competition Winners |

Contact Information

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Share photographs taken during the RoboPlay Competition with the UC Davis C-STEM Center at roboplay@c-stem.ucdavis.edu for a chance to be featured on the C-STEM website and social media!

COMMITTEES

RoboPlay Competition Volunteer Leadership

RoboPlay Chief Judge: Rex Schrader

RoboPlay Coordinator: Emma Kristovich

RoboPlay Video Coordinator: Shane Ludwig

Davis, CA

Regional Chair: Daniel Ryan

Regional Coordinator: Emma Kristovich

Head Judge: Rex Schrader

Division Lead Judges: Ted Pham

Dan Hull

Myron Hattig

Chris Smith

MC: Collette Adams

Dean Bunn

Challenge Development Team

Emma Kristovich (Lead)

Rex Schrader (Advisor)

Daniel Ryan (Advisor)

Steven Herman

Tim Hulse

Celine Liang

Gabriella Quattrone

Challenge Testing Team

Emma Kristovich (Advisor)

Ananye Agarwal

Jimmy Hoang

Jonathan Li

Ryan Ramirez

Diego Rojas

Ching Yang

Irvine, CA

Regional Chair:

Merry Kim,

Coastline College

Regional Coordinators:

Andrea Gallyon,

Coastline College

Handrias Fujianto,

Coastline College

Michael Franklin,

Irvine Valley College

Head Judge:

Ansel Teng

Division Lead Judges:

Bruce Feinstein

Ajith Gopinathan

Challenge Review Team

Collette Adams

Dan Adams

Heidi Arnold

Myron Hattig

Matt Hauss

Jennifer Ludwig

Shane Ludwig

Ted Pham

Rex Schrader

General Information

Each Division has 10 challenges to complete in any order. Challenges provide explicit instructions for receiving points. The goal is to get as many points as possible. Most challenges have partial points available, so teams may attempt portions of challenges as well.

The day is broken into two parts, unscored practice and scored competition. Each part is three hours long. Students may check their nametags or the schedule brochure for their practice and competition time slots. If they are late, they will not be allowed to make up any time.

Unscored Practice Information

- All teams have a designated practice area (pit) that gives them space to practice with their own 2019 RoboPlay practice mat.
- Each team receives two 17-minute practice periods to practice on their official 2019 RoboPlay Competition Board between 10am and noon that is located in the competition area.

Scored Competition Information

- Each team is assigned an official 2019 RoboPlay Competition Board in the Competition Area that is monitored by one or more RoboPlay Judges.
- Each team receives three 17-minute competition periods to compete on their official 2019 RoboPlay Competition Board between 12:45pm and 3:45pm.

General Rules

- Teams may not share laptops or use more materials than are specified in the Equipment section at any time in any location.
- Use of electronics other than the allowed laptops is strictly prohibited. This includes other computers, calculators, cell phones, tablets, or any other computing device.
- There will be no internet access during the competition. Any team caught using the internet will be disqualified.
- Teams may not share the computer programs they create with any other team. This will be considered cheating and both teams will be disqualified.
- Teams may speak to the judges or the Support Team for clarification, but students may not solicit help with challenges or Linkbots from students outside their team, any teachers, or any parents or observers.
- Teams may only bring one laptop into the Competition Area at a time.
- Teams may not interact with their running program at their Competition Table unless explicitly allowed in the challenge text. Some challenges will require user interaction at startup.
- Teams are responsible for setting up the Competition Board for each run of each challenge as specified in the challenge text unless otherwise stated.

Scoring Rules

- Any challenge that is ongoing when a team's 17-minute time slot ends will be immediately stopped and points will be calculated based on the rules for a partial call.
- Students may attempt each challenge as many times as they like within their allotted competition time. If a challenge is attempted multiple times, the points from the highest scoring run will be kept.
- Challenges may not be "chained together" meaning that a single program cannot receive points for more than one challenge at a time.
- Each challenge attempt, regardless of outcome, counts as a run. In the case of two teams with identical scores, the number of runs will be used as a tie-breaker, with the lowest number of attempts winning the tie.
- Teams abort a run at any time by touching a running Linkbot or calling "abort." Aborted runs still count as attempts and score zero points.
- While a program is still executing but no penalty points are possible, teams may ask the judge for a "partial call" in order to abort the run but still receive partial points. The judge must agree to the partial call before teams touch any Linkbots or the run will be scored as an abort.
- At the end of each run the judge will show teams their run number and run score prior to submission. If a team wishes to contest the score for a run, they must call for a Head or Lead Judge at that time.

Challenge Competition Awards

Regional Awards

Regional awards are given to the first, second, and third place winners for each division at each of the RoboPlay Locations. Regional awards are not issued in divisions with fewer than 4 competing teams.

Statewide Awards

Statewide awards are given to the first, second, and third place winners for each division across the state.

Judges Awards

The judges decide three additional awards for each division at each RoboPlay Location:

- Perseverance Award - This award goes to the team that improvises and overcomes a difficult situation while still maintaining a high level of performance.
- Spirit Award - This award celebrates a team that displays extraordinary enthusiasm and spirit
- Teamwork Award - This award recognizes a team that fluidly works together with strong communication, tasks delegation, and excellent time management.

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION A

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|--------------------------------|---------------------|-----------------------------|-------------|--------------------------------|--|
| American Canyon High School | Alma Gonzalez | The Wiggles | 01W/A01 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| American Canyon High School | Ronald Eick | Alpha Q | 02W/A01 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| American Canyon High School | Scott Marsden | Marsden 6th Period | 03W/A01 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| American Canyon High School | Stefani Williams | Girls Can Too! | 04W/A02 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| American Canyon High School | Stefani Williams | Hui Xiong, Bu Yao Shuo | 05W/A02 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Angelo Rodriguez High School | Lisa Turgeon-Staggs | ECBS Robotics | 18E/A03 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Angelo Rodriguez High School | Sarah Melanephy | Coding Harmonics | 19E/A04 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Angelo Rodriguez High School | Sarah Melanephy | Fruitful Efforts | 20E/A04 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Angelo Rodriguez High School | Syndi Nellis | CHallengers | 21E/A04 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Angelo Rodriguez High School | Syndi Nellis | Skillz?404 | 22E/A05 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Bradshaw Christian High School | Teri Foster | Team Trump | 23E/A07 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Franklin High School | Clay Dagler | Agent Bot Rob | 11S/A05 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Franklin High School | Clay Dagler | Cool Beans | 12S/A05 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Franklin High School | Clay Dagler | SNAP CONNECTORS | 13S/A06 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Luther Burbank High School | Naomi Bahr | Robotic Titans | 11N/A06 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Manteca High School | Doug Obrigawitch | The Good, the Bot, the Ugly | 34W/A06 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Mt. Eden High School | Michael Pelland | Downloadable RAM | 33W/A07 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION A

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|---|-----------------------|-------------------------|-------------|--------------------------------|--|
| Piner High School | Zachary Alexander | Programming Prospectors | 30E/A07 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| St. Patrick - St. Vincent Catholic High | Christopher Henderson | RoboBruins | 17E/A03 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Valley Oak High School | Rafael Garcia Avila | V5-O5 | 06W/A02 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Valley View Middle School | Shauna Hawes | Falcon X Robotics | 01N/A03 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION B

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|--------------------------------|---------------|---------------------|-------------|--------------------------------|--|
| American Canyon High School | Alma Gonzalez | Pro - Grammers | 07W/B01 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| American Canyon High School | Alma Gonzalez | The Spice Girls | 08W/B01 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| American Canyon High School | Lilliana Zmed | Ms. Williams Rocks! | 09W/B01 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| American Canyon High School | Nhu-Y Vu | Vu - 6th Period | 10W/B02 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| American Canyon High School | Nhu-Y Vu | Vu - 7th Period | 11W/B02 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| American Canyon High School | Nhu-Y Vu | Vu - Boys | 12W/B02 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| American Canyon High School | Nhu-Y Vu | Vu - Girls | 13W/B03 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| American Canyon High School | Ronald Eick | Airpods | 14W/B03 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| American Canyon High School | Scott Marsden | Team Alpha | 15W/B03 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Bradshaw Christian High School | Teri Foster | Los Leones | 24E/B06 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Camptonville Academy | Cathy Vue | OG Smarties | 37W/B06 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION B

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|----------------------------|------------------|---------------|-------------|--------------------------------|--|
| Franklin High School | Clay Dagler | WildCats | 14S/B05 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Luther Burbank High School | Naomi Bahr | Robo Titans | 12N/B05 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Manteca High School | Doug Obrigawitch | De\$moS | 35W/B06 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| River City High School | Dubarrie Fagout | Kill-a-bytes | 28W/B04 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| River City High School | Dubarrie Fagout | Tera-bytes | 29W/B05 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Valley Oak High School | Julie Lovie | Mighty Acorns | 16W/B04 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Vintage High School | Paul Brochard | CrusherBots | 17W/B04 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION C

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|------------------------------------|----------------------|-------------------------|-------------|--------------------------------|--|
| American Canyon Middle School | Denise Keller | EndGaMe | 18W/C01 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| American Canyon Middle School | Denise Keller | TAC.net | 19W/C01 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| American Canyon Middle School | Sabrina Lui | PUG BOTS | 20W/C01 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| American Canyon Middle School | Tammy Lee | REVERSE CARD | 21W/C02 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| American Canyon Middle School | Tammy Lee | sEnIn AnNeN | 22W/C02 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Bridgeway Island Elementary School | Alison Van Der Heide | Bridgeway Island Team 3 | 30W/C07 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Bridgeway Island Elementary School | Megan Schoellhamer | Bridgeway Island Team 1 | 31W/C08 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Bridgeway Island Elementary School | Megan Schoellhamer | Bridgeway Island Team 2 | 32W/C08 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION C

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|---------------------------------------|--------------------|-----------------------------|-------------|--------------------------------|--|
| California Middle School | Greg Bostock | Team Nuke | 13N/C11 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| California Middle School | Maria Aguilar | RoboBears | 14N/C11 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| California Middle School | Maria Aguilar | Smeaj | 15N/C11 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Camptonville Academy | Cathy Vue | OG Gummy Bears | 38W/C09 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Cave Language Academy | Lorena Hernandez | Stars | 01E/C03 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Foothill Middle School | Ellen Elliott | ALT+F4=WIN! | 02N/C04 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Foothill Middle School | Margaret Elliott | Tech-No-Logically | 03N/C05 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Foothill Middle School | Margaret Elliott | This is a required question | 04N/C05 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| George A. Buljan Middle School | Lisa Seals | Bulldog Robotics | 27E/C10 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Golden West Middle School | Jennifer Pirondini | B5 Bots | 01S/C07 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Golden West Middle School | Jennifer Pirondini | Robo-Dragons | 02S/C07 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Hogan Middle School | Eric Andal | Algorithm Overlords | 02E/C03 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Hogan Middle School | Greg Murray | Spongebob's House | 03E/C04 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Hogan Middle School | Greg Murray | We're Not Hackers | 04E/C04 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Joseph Widmer, Jr., Elementary School | Teresa Sicut | Widmer Robocats | 36W/C09 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Mountain Vista Middle School | Cheryl Mostin | MVMS Potatoes | 17S/C08 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Mountain Vista Middle School | Cheryl Mostin | MVMS Team 2 | 18S/C09 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION C

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|-----------------------------------|-----------------|--------------------------|-------------|--------------------------------|--|
| Pleasant Hill Middle School | Christopher Tod | Fe4RBO7 | 05N/C05 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Pleasant Hill Middle School | Christopher Tod | Robo-Fam | 06N/C06 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Redwood Middle School | Kristy Lindsey | Gigabytes | 23W/C02 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Redwood Middle School | Kristy Lindsey | Terrorbytes | 24W/C03 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Riverbend Elementary School | Ben Gonzales | Curva Del RÃ-o | 23N/C12 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Riverbend Elementary School | Ben Gonzales | steve jjob | 24N/C12 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Roosevelt Middle School | Zelda Allison | Bots Beings | 29E/C10 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| St. Catherine of Siena | Anne Healy | Starbots | 25E/C10 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Sutter County Office of Education | Nicole Burke | Aerostem Autobots | 16N/C12 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Valley View Middle School | Shauna Hawes | The Happy Birthday Squad | 07N/C06 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Valley View Middle School | Susan Jones | Thanoscars | 08N/C06 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION D

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|------------------------------------|---------------------|--------------------------------------|-------------|--------------------------------|--|
| AeroSTEM Academy | Chris Mahurin | AeroSTEM Academy (Fusion Generators) | 15S/D08 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| AeroSTEM Academy | Kristina O'Brien | Robot Antlers | 16S/D08 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| American Canyon Elementary Schools | Damon Wright | The Anti-Social Robotics Group | 25W/D01 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| American Canyon Middle School | Jonathan Mao | Power Puff Girls | 26W/D01 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| American Canyon Middle School | Jonathan Mao | The Snacks | 27W/D01 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Annie Pennycook Elementary School | Cynthia Cirino | Coding Knights | 05E/D02 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Annie Pennycook Elementary School | Cynthia Cirino | Sempai Coders | 06E/D02 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Cambridge Elementary School | Amy Gates | Cambridge Cougars | 03S/D11 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Cambridge Elementary School | Amy Gates | Cougar Bots | 04S/D06 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Cambridge Elementary School | Sandra Alarcon-Soto | Cambridge Coders | 05S/D06 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Cambridge Elementary School | Sandra Alarcon-Soto | Cambridge Junior Engineers | 06S/D06 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Cave Language Academy | Cory Lynch Grant | JlKtastic! | 07E/D02 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Cave Language Academy | Lorena Hernandez | Stranger Things | 08E/D03 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Fairmont Charter Elementary School | Becky Kenner | Four Fidgety Fabulous Falcons | 19N/D09 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Fairmont Charter Elementary School | Becky Kenner | Trinity of Awesomeness | 20N/D09 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Fairmont Charter Elementary School | Roxann Lynch-Burns | Fierce Fairmont Razor Bots | 21N/D09 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Fairmont Charter Elementary School | Roxann Lynch-Burns | Three Non-Blonde-Bots | 22N/D10 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |

SCHEDULE FOR ROBOPLAY COMPETITION - DIVISION D

| SCHOOL | TEACHER | TEAM NAME | BOARD & PIT | PRACTICE | COMP TIMES |
|--------------------------------|-------------------|--------------------------------|-------------|--------------------------------|--|
| Franklin Middle School | Divia Mixon | Code Crackers | 09E/D03 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Franklin Middle School | Divia Mixon | Rose Gold | 10E/D03 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Franklin Middle School | Joshua Davis | Black Rose | 11E/D04 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| George A. Buljan Middle School | Lisa Seals | Buljan Middle School | 28E/D08 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Highland Elementary School | Christopher Victa | The Box | 12E/D04 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Highland Elementary | Danaly Drane | The Cheeto Puffs | 13E/D04 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Highland Elementary School | Deborah Leighon | The Phoenix | 14E/D05 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Highland Elementary School | Jesuina Taylor | Aztecs | 15E/D05 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Hogan Middle School | Eric Andal | Next Gen Code Bots | 16E/D05 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Parkmead Elementary School | Alison Gomez | Robo Racers | 17N/D10 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Pleasant Hill Middle School | Gabriella Cerezo | Robo Rhinos | 09N/D10 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| St. Catherine of Siena | Anne Healy | Redbots | 26E/D12 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Travis Elementary School | Melissa Philips | /*Green Thumbs*/ | 07S/D07 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Travis Elementary School | Melissa Philips | Irvin | 08S/D07 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |
| Travis Elementary School | Shawna O'Hara | D'BOS | 09S/D07 | 10:40 - 10:57 11:40 - 11:57 | 1:25 - 1:42 2:05 - 2:22 2:45 - 3:02 |
| Travis Elementary School | Shawna O'Hara | Syntax Error | 10S/D11 | 10:00 - 10:17 11:00 - 11:17 | 12:45 - 1:02 2:25 - 2:42 3:25 - 3:42 |
| Valley View Middle School | Susan Jones | Uncle Phil and the 3 Grandsons | 10N/D11 | 10:20 - 10:37 11:20 - 11:37 | 1:05 - 1:22 1:45 - 2:02 3:05 - 3:22 |

BE A PART OF C-STEM

The UC Davis Center for Integrated Computing and STEM Education (C-STEM) aims to transform computing, science, technology, engineering, and mathematics (C-STEM) education through integrated learning, guided by two key objectives: To close the mathematics achievement gap that exists in K-12 education, and to develop students' 21st century problem solving skills in order to tackle real world concerns.

The C-STEM program has been implemented across various regions in California and will soon be implemented in new areas across the United States. The program only works when everyone is involved to help students succeed: parents, teachers, school administration, and community.

We are looking forward to seeing you become part of C-STEM in any of the following ways:

Volunteer your time:

C-STEM events such as the RoboPlay Challenge Competition wouldn't be possible without volunteers. No experience required! In addition, if you are a C-STEM teacher, there are numerous ways you can help the C-STEM program, at your local district, at conferences, or at other events.

Make a donation:

The C-STEM Center is currently looking for individual, corporate, and foundation sponsors to help fund C-STEM scholarships, events, and programs. We can work with you to design a sponsorship package that meets your needs and helps provide C-STEM programming and educational opportunities to more students across the nation.

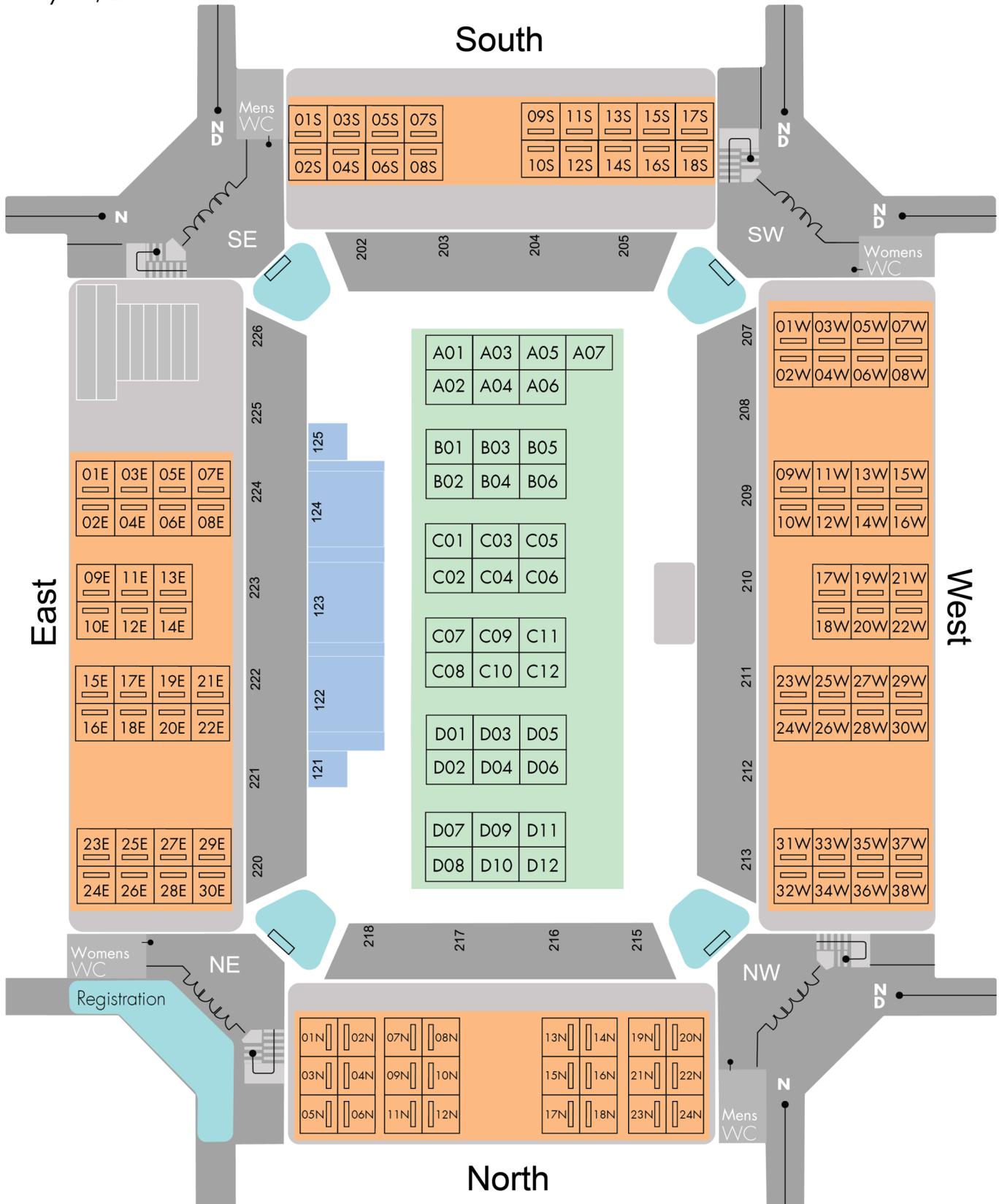
Talk to others about C-STEM:

Help bring C-STEM programming to your local school and district! If you liked what you saw at the RoboPlay Challenge Competition and would like to see it in your child's local school and district, contact Dr. Harry Cheng, C-STEM Center Director and Professor, (530) 752-5020, hhcheng@ucdavis.edu. It also helps to talk to your teachers and principals at your schools and help us connect with them!

UC Davis ARC Pavilion

RoboPlay Challenge Competition

May 18, 2019



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