Competition Date: Saturday, February 29, 2020

Time: 8 AM – 3:00 PM

Location: University of California, San Diego
          Warren Lecture Hall
          (Matthews Lane)
          San Diego, CA 92093

Contact Information

San Diego Chapter MATHCOUNTS Coordinator, Peter Livingston, Phone (858) 829-9814
Email: peter@livingstonengineering.com

Southern California MATHCOUNTS Coordinator, Dr. Ziliang Zhou, 951-343-4681
zzhou@calbaptist.edu

State MATHCOUNTS Coordinator, Ken Discenza, sitedesign@sda-pe.com

Directions

Take I-5 to the La Jolla Village Drive exit (west). Turn right (north) onto Villa La Jolla Drive. Free parking is available in the Gilman Parking Structure at the corner of Gilman Drive and Villa La Jolla Drive (see map). Do not parking in reserved parking spaces. Walk north along Russell Drive to Lyman Avenue. Continue on sidewalk west of the High Bay Physics Lab. Warren Lecture Hall is on the north side of Matthews Drive. Participants can be dropped off at the walkway west of Warren Lecture Hall near the end of Matthews Drive (see map).
Partial UCSD Campus Map
Registration/Check-in

Coaches must register their school online by February 15, 2020 using the MATHCOUNTS Coach Dashboard (https://www.mathcounts.org/user/login). This information will be downloaded to use in the grading program and preparing certificates. Check-in will be at Room 2005 Warren Lecture Hall starting at 8 am. All students and the coach must be present to check in. The student roster can be changed until 8:45 am on the day of the competition.

Student Supplies

Students must bring their own pencils and calculators. Use of any device with a QWERTY keyboard, including cellphones is not permitted. Scratch paper will be provided in the testing rooms. Other than bottled water, pencils and calculators, students are not allowed to bring other items into the morning testing rooms.

Site Access

Students and Coaches are not allowed inside the Grader’s Room at any time. Coaches and guests are not allowed in the testing rooms from the start of the Sprint Round to the end of the Team Round. Warren Lecture Hall #2001 can be used by guests and coaches during the morning competition.

Food

Food and drinks (except bottled water) are not allowed in classrooms or lecture halls during testing. We will host pizza (two slices), sodas and water outside of the testing rooms in front of the Warren Lecture Hall after the morning testing for students. Volunteers, Coaches and Guests have the option to go to the Price Center food court (see map), which will be open for other food and drink, at your cost.

Restrooms

Restrooms are available in Warren Lecture Hall and Price Center

Coach/Guest Activities

Visitors typically socialize, read a book or solve math problems while testing takes place.

State Substitutions

Substitutions are only allowed if a student advancing to state as part of a team voluntarily gives up their spot to another student in writing.
Unofficial Participants

A school will be allowed up to four unofficial participants (alternates). These participants will not be allowed to compete in the Countdown Round, receive awards or certificates or advance to State. They must sign in during registration.

Awards

Team (one for each student) – 1st to 4th
Team Coach – 1st to 4th
Individual – 1st to 8th
Individual Coach – 1st to 4th
Countdown Round – 1st to 3rd
Countdown Round Coach -1st to 4th
Most Improved School
Best New School

2020 Competition Results

Public results will be posted on the web site http://cspeef.org/competitions/san-diego/

Making This Happen

The San Diego competition is organized and executed largely through unpaid volunteers. UCSD provides the venue for free. San Diego County Engineering Council member societies donate funds for the awards, food, equipment, rentals, supplies and post-event mailings. The Greater San Diego Area Math Council publicizes the event. We usually have a speaker tell the students about the engineering profession, as MATHCOUNTS was founded by the National Society of Professional Engineers.

Publicity

Local news organizations will be invited to the event.

What Coaches need to do prior to the competition:

1. Use the practice problems at http://www.mathcounts.org/past-competitions
2. Complete the roster online by February 15, 2020
3. Provide guests with directions to UCSD
4. Insure students know the date of the State Competition (March 28, 2020 at CBU in Riverside) to avoid conflicts. The national competition takes place May 9-12, 2020
What Coaches need to do on the day of the competition:

1. Make sure all students are checked in
2. Make sure students understand that Team Members and Individuals from the same school will be competing in different rooms
3. Attend the coaches meeting at 8:45 am
4. Help make sure students get back into the rooms promptly after breaks
5. Inform students about staggering lunch times to avoid overcrowding
6. Stress that students are not to verbalize answers during the Countdown Round
7. Pick up your Tally Sheets after the awards ceremony

Expected official student participation

| 96  | Team Members (24 teams) |
| 107 | Individuals             |
| 203 | Total                   |

Competitors

24 Schools Registered (x = competed last year, y = no team)

Albert Einstein Academy  x
Black Mountain Middle School  x
Carmel Valley Middle School  x
Design39Campus  x
Francis Parker Middle School
Elite Academic Academy
Magnolia Science Academy  x
Meadowbrook Middle School  x
Mesa Verde Middle School  x
Mount Everest Academy  x
Muirlands Middle School  x
Oak Valley Middle School  x
Ocean Air Elementary School  x
Pacific Trails Middle School  x
Rhoades School  x
Sage Canyon School  x
Santa Fe Christian Schools  x
Solana Ranch Elementary School  x
Standley Middle School  x
The Bishops School  x
The Cambridge School x
The Children’s School  x
Thurgood Marshall Middle School  x
Twin Peaks Middle School  x
Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>8 am to 8:45 am</td>
<td>Registration</td>
<td>Warren Lecture Hall #2005</td>
</tr>
<tr>
<td>8:30 am</td>
<td>Proctor Training</td>
<td>Warren Lecture Hall #2114</td>
</tr>
<tr>
<td>8:45 am</td>
<td>Coaches Meeting</td>
<td>Warren Lecture Hall #2112</td>
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<tr>
<td>9:30 am</td>
<td>Grader Training</td>
<td>Warren Lecture Hall #2204</td>
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<tr>
<td>9:30 am to 10:10 am</td>
<td>Sprint Round (10-minute break)</td>
<td>See Room Assignments below</td>
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<tr>
<td>10:20 am to 10:50 am</td>
<td>Target Round (10-minute break)</td>
<td>See Room Assignments below</td>
</tr>
<tr>
<td>11:00 am to 11:20 am</td>
<td>Team Round</td>
<td>See Room Assignments below</td>
</tr>
<tr>
<td>11:30 am to 1:30 pm</td>
<td>Lunch</td>
<td>Outside #2001</td>
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<tr>
<td>1:30 pm to 2:15 pm</td>
<td>Countdown Round</td>
<td>Warren Lecture Hall 2001</td>
</tr>
<tr>
<td>2:15 pm to 3:00 pm</td>
<td>Awards/State Advancement</td>
<td>Warren Lecture Hall 2001</td>
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Testing Room Assignments/Other Room Assignments

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</thead>
<tbody>
<tr>
<td>Individuals</td>
<td></td>
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<tr>
<td>All Individuals</td>
<td>Albert Einstein Middle School</td>
<td>Francis Parker Middle School</td>
<td>Muirlands Middle School</td>
<td>Sage Canyon School</td>
<td>The Cambridge School</td>
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<tr>
<td>Individuals</td>
<td>Magnolia Science Academy</td>
<td>Oak Valley Middle School</td>
<td>Santa Fe Christian Schools</td>
<td>The Children’s School</td>
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<tr>
<td>Black Mountain Middle School</td>
<td>Meadowbrook Middle School</td>
<td>Ocean Air School</td>
<td>Solana Ranch Elementary School</td>
<td>Thurgood Marshall Middle School</td>
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<td>Carmel Valley Middle School</td>
<td>Mesa Verde Middle School</td>
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<td>Design39 Campus</td>
<td>Mount Everest Academy</td>
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<tr>
<td>Elite Academic Academy</td>
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Testing Room Assignments:

- Testing Room Assignments
- Other Room Assignments

Grading Room

Countdown Round & Awards & State Advancement

Outside #2001
Testing Format

An announcement will be made at approximately 9:15 am telling the students where to report for the Sprint Round. The proctor will lead them to the rooms. The Individuals will compete in a different room than the team members. The procedure for each test will be presented by the proctor. Proctors will allow students to leave the testing room during the breaks. Individuals can form informal teams to take the team round test, if they desire, but only the raw score will be provided. The Countdown Round is a fast-paced one-on-one competition. If guests can only be at one part of the event, this is it. The rules for the Countdown Round will be presented to the students and audience. Please refer to the MATHCOUNTS Handbook for rules and formats for all tests. The Coordinator will make all decisions affecting the results of the competition. Coaches can pick up their tally sheets after the awards are given. The MATHCOUNTS Coordinator makes final decisions on the rules interpretations and scoring questions.

Advancement to State

The South California Competition will take place at California Baptist University, Riverside on March 28, 2020 (https://cspeef.org/state-competitions/southern-california-state/). The teams and individuals advancing to state competition will be announced at the conclusion of the awards ceremony. Coaches for teams advancing to state and individuals advancing to state will be contacted by the State MATHCOUNTS Coordinator for further information.

The top four (4) teams will advance to State based on overall Team scores at the Chapter Competition. If the winner of the Chapter Competition is a magnet school and/or has won the Chapter Competition for the second consecutive year (see Results below), one additional team will be allowed to advance to the State Competition. No more than one additional team per chapter is allowed to advance in this manner.

The top five (5) students, who are not on an advancing School Team, will advance based on the individual score (Sprint and Target Round only).

2020 Raytheon MATHCOUNTS National Competition. May 9-12, 2020, in Orlando, Florida.

Countdown Round

The Countdown Round will pit the top 16 individual scorers against each other in a “Sweet 16” format. The students will be completing only for awards. The results of the Countdown Round will not have an impact on advancement to State. Student may decline to compete. In this case, the next highest scorer will be allowed to compete. We usually run through last year’s questions informally prior to this round in the same room.
2019 San Diego MATHCOUNTS Competition Results [February 23, 2019]

Countsdown Round Awards

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name</th>
<th>School</th>
<th>Grade</th>
<th>Gender</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ethan Song</td>
<td>Pacific Trails</td>
<td>7</td>
<td>M</td>
</tr>
<tr>
<td>2</td>
<td>Daniel Xu</td>
<td>Mesa Verde</td>
<td>8</td>
<td>M</td>
</tr>
<tr>
<td>3</td>
<td>Larry Wu</td>
<td>Ocean Air</td>
<td>6</td>
<td>M</td>
</tr>
<tr>
<td>4</td>
<td>Justin Lee</td>
<td>Meadowbrook</td>
<td>7</td>
<td>M</td>
</tr>
</tbody>
</table>

Other Awards

Best New School – Sage Canyon School
Most Improved School – Sycamore Ridge School

Team Awards

<table>
<thead>
<tr>
<th>Rank</th>
<th>School</th>
<th>Team Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mesa Verde</td>
<td>Xu, Daniel, Lee, Daeho, Paxson, Charles, Zhang, Justin</td>
</tr>
<tr>
<td>2</td>
<td>Carmel Valley</td>
<td>Shen, Edison, Liu, Elliott, Rizzo, Jacopo, Wang, Erica</td>
</tr>
<tr>
<td>3</td>
<td>Pacific Trails</td>
<td>Song, Ethan, Qu, Tony, Wang, Grace, Luo, Justin</td>
</tr>
<tr>
<td>4</td>
<td>Thurgood Marshall</td>
<td>Zhao, Kevin, Nayak, Anirudh, He, Michael, Zheng, Adam</td>
</tr>
</tbody>
</table>

The top four teams advance to the State Competition

Individual Awards

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name</th>
<th>School</th>
<th>Grade</th>
<th>Gender</th>
<th>Team or I</th>
<th>Advance to State as</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kevin Zhao</td>
<td>Thurgood Marshall</td>
<td>8</td>
<td>M</td>
<td>Team</td>
<td>Indv.</td>
</tr>
<tr>
<td>2</td>
<td>Robin Sharif</td>
<td>Vista Magnet</td>
<td>8</td>
<td>M</td>
<td>Team</td>
<td>X</td>
</tr>
<tr>
<td>3</td>
<td>Edison Shen</td>
<td>Carmel Valley</td>
<td>7</td>
<td>M</td>
<td>Team</td>
<td>X</td>
</tr>
<tr>
<td>4</td>
<td>Elliott Liu</td>
<td>Carmel Valley</td>
<td>7</td>
<td>M</td>
<td>Team</td>
<td>X</td>
</tr>
<tr>
<td>5</td>
<td>Larry Wu</td>
<td>Ocean Air</td>
<td>6</td>
<td>M</td>
<td>Team</td>
<td>X</td>
</tr>
<tr>
<td>6</td>
<td>Aman Jain</td>
<td>Black Mountain</td>
<td>8</td>
<td>M</td>
<td>Team</td>
<td>X</td>
</tr>
<tr>
<td>7</td>
<td>Eddie Qiao</td>
<td>Bishop’s</td>
<td>8</td>
<td>M</td>
<td>Indv.</td>
<td>X</td>
</tr>
<tr>
<td>8</td>
<td>Ethan Song</td>
<td>Pacific Trails</td>
<td>7</td>
<td>M</td>
<td>Team</td>
<td></td>
</tr>
</tbody>
</table>

Coaches of the top four students received an award