

WHAT IS SO SPECIAL ABOUT THIS EVENT?

This joint STEAMS Oral Competition recognizes the highest caliber of MS/HS students for their accomplishments across Science, Technology, Engineering, Artificial Intelligence, Math and Statistics. Early development and involvement with STEAMS projects will equip them with knowledge and skills to solve complex real-world problems. In addition to traditional STEM thinking, Artificial Intelligence (AI) is added, and Statistics is spun off from Math to embrace the new world of Big Data and AI. The STEAMS oral competition also provides an excellent platform for gifted students around the globe to showcase their ability to manage interdisciplinary projects and facilitate global leadership in the application of emerging technologies.

In the last 2 years, our students have won several awards in JMP, ASA, IEOM, and ASQ conferences, published more than 50 papers, and attended more than 20 conferences worldwide.

LOCATION

Applied Materials, Santa Clara, CA

CONTACT US

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stem2steams.weebly.com



2019 JOINT MS/HS STEAMS COMPETITION

STEAMS – Science, Technology, Engineering, Artificial Intelligence, Math, and Statistics

Event Organizers:

Mason Chen (SOHS), Kaitlyn Zhang (SOHS), Alan Yao (MSJHS)

Committee Members:

Dr. Charles Chen (AMAT), Chuck Boiler (JMP), Jeff Upton (JMP), Dr. John Flaig (ASQ), Dr. Don Mintz (ASQ), Patrick Giuliano (ASQ), Dr. Li Zhang (ASA, UCSF)

HOW DO I ENTER THIS COMPETITION?

1

SUBMIT ABSTRACT FOR STEAMS COMPETITION

Submit your abstract to stem2steams@gmail.com by February 1, 2019. It must be less than 200 words. Go to stem2steams.weebly.com for more information.

2

JUDGING CRITERIA

Your abstract will be evaluated by its content, relevance, and usage of science (biology, chemistry, physics, etc), technology (applications on modern technology etc), engineering (problem solving methodology etc), artificial intelligence (java/python, data science, machine learning etc), math (algebra, geometry, etc), and statistics (probability, regression, etc).

3

JMP AP STATISTICS COMPETITION

After the STEAMS Competition, you will have the opportunity to learn JMP, a powerful & interactive statistical analysis tool, from certified instructors.

EVENT SCHEDULE

- 9:00-9:30
Registration and Check-in
- 9:30-10:00
Keynote Speaker: SF-ASA
- 10:00-12:00
STEAMS Oral Competition
- 12:00-1:00
Lunch Keynote Speakers: JMP/SAS
- 1:00-3:30
JMP AP Statistics Competition
- 3:30-5:00
Social Event
- 5:00-6:00
Competition Award Ceremony

OUR SPONSORS:

- JMP
- ASQ
- AMAT



ASQ Silicon Valley
Section 0613

