

2019 ENGINEERING MACHINE DESIGN CONTEST



**HELP A
SUPERHERO...**

SAVE THE PLANET



MINNESOTA STATE
Engineering Center of Excellence

COLLEGE OF
SCIENCE, ENGINEERING & TECHNOLOGY

 MINNESOTA STATE UNIVERSITY MANKATO

SCHEDULE

| | |
|-------------|-------------------------------------|
| 8:00-9:00 | Check-In & Machine Set-Up |
| 9:00-9:10 | Welcome & Contest Overview |
| 9:10-9:30 | Team Captain & Advisor Meeting |
| 9:10-10:00 | Final Machine Tune-Up |
| 10:00-11:30 | Preliminary Round Judging |
| 11:30-12:00 | BALLROOM CLOSED |
| | Special Awards Judging |
| | Lunch on Your Own |
| 12:00-12:15 | Finalists Announced |
| 12:15-1:40 | Finals Round Judging |
| 1:30-2:00 | Engineering Presentation & Activity |
| 2:00-2:15 | Presentation of Awards |

AWARDS

SPECIAL AWARDS

Everything But the Kitchen Sink | *Extensive use of household items*

Die Hard | *Durable and built to last*

Curb Appeal | *You just want to see it run*

Theme Award | *Best display of contest theme*

Wonderfully Wacky | *Entertaining to view*

People's Choice | *The people decide*

FINALISTS & PLACINGS

Six finalists will advance from each division to the Finals Round. First through sixth place will be awarded in both the Junior and Senior Divisions.



JUNIOR DIVISION

Supreme 5

Team 1
New Century School
Brad Blue, Advisor

Chilies

Team 2
Aurora Charter School
Danielle McMillan, Advisor

Cycle Wolves

Team 3
New Century School
Brad Blue, Advisor

Latino Builders

Team 4
Aurora Charter School
Elizabeth Bohnert, Advisor

The Untouchables

Team 5
New Century School
Brad Blue, Advisor

Dominators

Team 6
New Century School
Brad Blue, Advisor

Aurora Element

Team 7
Aurora Charter School
Danielle McMillan, Advisor

Fantastic 4

Team 8
New Century School
Brad Blue, Advisor

SENIOR DIVISION

Canby

Team 9
Canby HS
Laurie Kallhoff, Advisor

Rube-E-Os

Team 10
New Prague HS
Rich Wilson, Advisor

Merican Made

Team 11
St. Clair HS
Russell Torkkola, Advisor

K-W Red

Team 12
Kenyon-Wanamingo HS
Darin Walling, Advisor

Bock's First

Team 13
Belmond-Klemme Schools
Kevin Bock, Advisor

I'm Lovin' It

Team 14
St. Clair HS
Russell Torkkola, Advisor

Legends

Team 15
Chatfield HS
Nora Gathje, Advisor

ChopStix 2.0

Team 16
St. Clair, HS
Russell Torkkola, Advisor

K-W Black

Team 17
Kenyon-Wanamingo HS
Darin Walling, Advisor

Rebels End Game

Team 18
Southland HS
Paula Mortson, Advisor



JUDGES

Mesoma Akaolisa

Mechanical Engineering Student
Minnesota State University, Mankato

Jason Bruns

Director
Minnesota State Engineering Center of
Excellence

Aaron Budge

Associate Dean
College of Science, Engineering and
Technology
Minnesota State University, Mankato

Mike Compton

State STEM Director
Minnesota 4-H

Brian Eimer

Project Manager
MEI - Total Elevator Solutions

In-Jae Kim

Professor
Department of Mathematics and Statistics
Minnesota State University, Mankato

Subhan Khalid

Mechanical Engineering Graduate Student
Minnesota State University, Mankato

Jeffrey Pribyl

Professor
Department of Chemistry and Geology
Minnesota State University, Mankato

Bob Qualset

Physics Tutor
Department of Physics and Astronomy
Minnesota State University, Mankato

Pat Rambo

Chemistry Instructor, Retired
Minnesota State University Mankato and South
Central College

Kelly Strei

Wright County 4-H Program Coordinator
Minnesota 4-H

Nazli Wodzinski

Assistant Professor
Department of Civil Engineering
Minnesota State University, Mankato

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