

Manufacturing Technology Academy
 TBAISD Career-Tech Center
 880 Parsons Rd.
 Traverse City, MI 49686



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MTA MATTERS

Newsletter of the Manufacturing Technology Academy of NW Michigan

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Robotics Teams Construct Success!



Manufacturing Technology Academy (MTA) students competed against hundreds of students throughout the Midwest with their student-designed, student-built robots. Congratulations to the following teams for their excellent achievements:

Robot Construction

Create a robot to clear snow off solar panels
GOLD AWARD
 Kaylie Butts
 Keanu Echon
 Majida Halaweh
 Cameron Roy
 Isaac Russell

FIRST

Create a robot to maneuver totes onto a scoring platform
 Dayton Clark
 Justin Cutler
 Kenton Long
 Alex Okros
 Randall Wallace

Lightweight Sumo Robot

Create an autonomous robot that pushes opponent out of ring
 Sam Gorcyca
 Lucas Page
 Lincoln Spitzer

Automated Vehicle Challenge

Create a vehicle to autonomously navigate an outside course
BRONZE AWARD
 Zane Brooks
 Jimmy Evans
 Noah Kelly
 Andrew McHugh

Heavyweight Sumo Robot

Create a large remote control robot to force opponent out of ring
SILVER AWARD
 Ryan Dunn
 Kirsten O'Rourke
 Bailey Proctor

Rescue Robot

Create a robot that traverses rough terrain to retrieve balls
 Clayton Gates
 Nathaniel Saldanha

Thankful Recognition

Special thanks to the financial partners who contribute resources and expertise for MTA's annual robotic competitions. Because of their support, our students thrive in a rich learning environment with hands-on, collaborative experiences.

Sponsors Welcome

MTA is always seeking sponsors and grant opportunities. If you are an individual or company interested in collaborating, please contact Tim Wheatley at (231) 995-1304.

Contact MTA

Instructor Tim Wheatley
 (231) 995-1304
 twheatley@tbaisd.org
 MTA Guidance Board Chair
 Brian Dubow
 Career-Tech Center Principal
 Pat Lamb

MTA Mission Statement

To provide a learning environment which motivates and enables students to acquire worldclass manufacturing and engineering skills while positioning them to compete and excel in the global market.

Apply to MTA!

To learn more about MTA and its simple application process, contact Tim Wheatley at (231) 995-1304 or twheatley@tbaisd.org

MTA Matters Newsletter provided by the MTA Guidance Board, and published by TBAISD Communications

CURRENT RESIDENT OR

Please help us spread the news about the MTA! Share this newsletter with other parents, students or local employers.

About MTA

MTA Students work with a team of academic and technical instructors with access to mentors and industry experts for hands-on, technical experience.

Parents value a tuition-free education in math, science, English, technology, and communication. Practical experiences in a manufacturing setting enhance the instruction.

Counselors and teachers appreciate that MTA is a TBAISD program that does not reduce a school's student funding. Students earn high school academic credits through integrated curriculum.

Local businesses partner with MTA to develop a workforce prepared to compete in the global economy. Students benefit from job shadowing, mentoring and professional opportunities, building strong industry relationships.

MTA Senior Awards

Congratulations to the Manufacturing Technology Academy students below who earned special recognition in the form of awards and scholarships. Their hard work and leadership have been assets to MTA and to their peers.

CTC Academic Scholarships

Zane Brooks
 Ryan Dunn
 Majida Halaweh

National Technical Honor Society Scholarships

Zane Brooks
 Ryan Dunn
 Majida Halaweh
 Noah Kelly
 Andrew McHugh
 Kirsten O'Rourke

National Technical Honor Society John H. Poteat Scholarship

Kaylie Butts

Grand Traverse Retired School Personnel Scholarship

Majida Halaweh

TEC Scholarship

Cameron Roy

Kettering University Technology Award

Heidi Schwab
 Emma VanderMeulen

CTC Outstanding Student Awards

Nathaniel Saldanha
 Tyler Cobb

CTC Students of the Quarter

Quarter 2:
 Nick Loew
 Dayton Clark
Quarter 3:
 Alex Welling
 Cameron Roy

Perfect Attendance - 2 Years

Sam Gorcyca
 Lincoln Spitzer

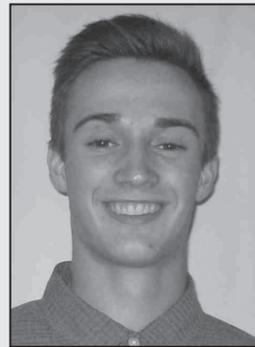
Detroit News

CATCH Outstanding High School Graduate

Majida Halaweh

Congratulations to the Manufacturing Technology Academy Class of 2015

Congratulations to the Manufacturing Technology Academy Class of 2015



Zane Brooks
Benzie Central High School
Future:
Albion College



Kaylie Butts
Elk Rapids High School
Future:
Michigan Technological
University



Dayton Clark
Kingsley High School
Future:
Northwestern Michigan
College



Justin Cutler
Traverse City Central
High School
Future:
Northwestern Michigan
College



Ryan Dunn
Buckley High School
Future:
University of Michigan



Keanu Echon
Traverse City Central
High School
Future:
Northwestern Michigan
College



James Evans
Benzie Central High School
Future:
Michigan Technological
University



Clayton Gates
Elk Rapids High School
Future:
US Marine Corps



Samuel Gorcyca
Home School
Future:
Northwestern Michigan
College



Majida Halaweh
Benzie Central High School
Future:
Princeton University



Noah Kelly
Glen Lake High School
Future:
University of Michigan



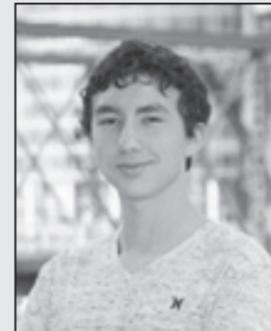
Kenton Long
Grand Traverse Academy
Future:
Liberty University



Andrew McHugh III
Buckley High School
Future:
University of Michigan



Kirsten O'Rourke
Buckley High School
Future:
University of Michigan



Alex Okros
Benzie Central High School
Future:
University of Michigan



Lucas Page
Grand Traverse Academy
Future:
Michigan Technological
University



Bailey Proctor
Bellaire High School
Future:
Alma College



Cameron Roy
Traverse City West
High School
Future:
Northwestern Michigan
College



Isaac Russell
Traverse City Central
High School
Future:
Northwestern Michigan
College



Nathaniel Saldanha
Home School
Future:
Hope College



Lincoln Spitzer
Buckley High School
Future:
Kettering University



Isaac Thelander
Home School
Future:
Northwestern Michigan
College



Randall Wallace
Kingsley High School
Future:
Grand Valley State
University

MTA Alumni Spotlights

Taylor Nye 2011

MTA graduate Taylor Nye ('11) was awarded the University of Michigan's 2015 Christine Psujek Memorial Undergraduate Award. The award is presented annually to one graduating senior who submits the best honors thesis in any of the biology concentrations. Nye graduated from Benzie Central High School and MTA in 2011, and graduated from University of Michigan as a 2015 microbiology major. Also a 2015 awardee in the National Science Foundation's Graduate Fellowship Program, Taylor will continue at University of Michigan pursuing a PhD.

Taylor was well-prepared for the rigors of university-level studies with challenging math, science and engineering academic work. She credits MTA for her readiness and motivation for college, "Choosing to go to MTA was one of the best decisions I made during high school." The Nye family has also enrolled daughters Jordan ('13) and Ashley ('16) in the program, and their son Josh hopes to be accepted into MTA when he becomes eligible.



Jesse Fisher 2012

MTA graduate Jesse Fisher ('12) was awarded the Navy and Marine Corps Achievement Medal by the Secretary of the Navy. Jesse is an Aviation Support Equipment Technician Third Class in the Navy. He was selected for the award for his service as Honor Support Team Leader. The certificate states that "Petty Officer Fisher's superior leadership, management, and technical expertise were key to the training of 30 personnel, resulting in the flawless execution of 30 Color Guard events and 84 Funeral Details in support of Southeast Region's elite Honor Support Team."

Jesse enlisted in the Navy following graduation from Bellaire High School and MTA. He was a leader in his training classes, advanced quickly, and anticipates a move to the Norfolk Naval base. In addition to his regular duties, Jesse volunteers for Honor Support Team, performing ceremonies during funerals for veterans, including flag presentations to next of kin and rifle presentations. Jesse comments, "I feel honored to commemorate their (veterans') service to our country." He has been a part of more than 100 events and funerals.

