



EATON CPSD

Dream It. Do It. WNY &

Jamestown Community College

present

# The 3rd Annual Great Sledding Snow Down & The Eaton Young Manufacturers Academy

February 2017



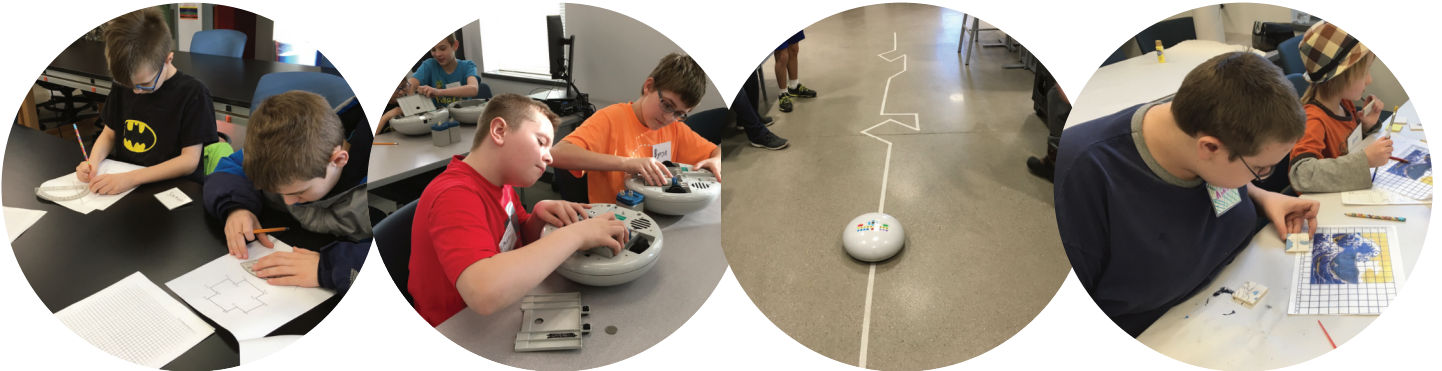
# Third Annual Sledding Snow Down & EATON Young Manufacturers Academy

Great week with 29 future engineers, scientists and technicians!! Thank you to Eaton CPSD for helping us create the Eaton Young Manufacturers Academy and continue with the 3rd Annual Great Sledding Snow Down. Also, thank you to JCC for hosting the week at the new MTI building. Finally, thank you to Napoleon Engineering Services, SolEpoxy, Dresser-Rand, CUTCO, OSM, Pierce Steel, Olean City Schools, CA-BOCES and Genesee Valley School for all of your help and support this week!!



## Day One

Thanks to Olean City Schools and Christine Gabler, students learned about the Art of Coding using Roaming Robots at JCC's MTI building. Students programmed the roamers to write their initials as well as follow a maze. Later, students used their skills in coordinates and scale drawing to create a mosaic.



## Day Two

Today and throughout the week, Barb Hewitt of CA-BOCES engaged students in activities based on the theme of measurement. Also, thank you to Jeremy Martin of Napoleon Engineering Services for an awesome presentation and activity about electronics and circuits. In the afternoon, students learned about safety from John Northrup of AJT. Later, Jeremy and Eli Bell of NES taught the students the basics of drafting and design through a Lego activity. Later, students began the construction of their sleds. Another great day!



### Day Three

Thank you to Genesee Valley School and Caitlin Bowen for a terrific morning, learning about the Engineering Design Process and CAD. Students used their imagination, creativity and problem solving skills to design a keychain! Also, thank you to the engineers and scientists from SolEpoxy for a hands-on presentation about friction and the Scientific Method. Students continued to work on their sleds, making adaptations for upcoming weather conditions. No snow!!!



### Day Four

Another great day! Caitlin Bowen walked the students through Tinkercad in the computer lab at MTI to design their keychains. Students then watched them be created on MakerBot 3D printers, provided by Genesee Valley School (Thank you!!). A few students were well ahead of the game and were put in charge of various stages of production. Thank you to Byron, Ryan, Alex and Miska for their help and patience with fellow students. In the afternoon, students finished off their sleds with help from the Trouble Shooting/ 5Why team from Dresser-Rand. Thank you also to the maintenance team at JCC for creating a ramp for the students' sleds. Still no snow!!



### Day Five

Weather forecast? High of 70 - definitely no snow!! In the morning, students used their knowledge of CAD to design a 6 inch ruler, with precision and accuracy as the focus. Later they went to the Haas CNC machine in the MTI building to work with Xavier Smith, a CNC operator at OSM in Olean. Each student created a 6 inch ruler with their initials, using materials donated by Pierce Steel. In the afternoon, students finished off their sleds, worked on a sales pitch for their sled and waited for parents to come for the race. Judges for the final race were from CUTCO and SolEpoxy - a great time was had by all!! Thank you again to Eaton CPSD, our many presenters and, most of all, JCC Continuing Education.



# Thank you!



**We couldn't have done it without you!**



Eaton CPSD

SolEpoxy

Keystone Tool & Die

AJT Safety Solutions

Barb Hewitt

Caitlin Bowen

Christine Gabler

Xavier Smith

Craig Klose

JCC Continuing Education

Dream It. Do It. WNY

Home Depot

McDonalds

Olean City Schools

Olean Business Development

Napoleon Engineering Services

Dresser Rand

CUTCO

Pierce Steel

OSM

Olean Federal Credit Union

Good Times of Olean

Genesee Valley School

Burger King

Tops

Reid's Food Barn

Worth W. Smith

Grossman's Bargain Outlet

Manufacturers Association of

the Southern Tier (MAST)

For more information about DIDI WNY,  
please contact Evelyn Sabina [esabina1@gmail.com](mailto:esabina1@gmail.com)  
For JCC Kids' College and Continuing Education at JCC,  
please contact Kathleen Martel [KathleenMartel@mail.sunyjcc.edu](mailto:KathleenMartel@mail.sunyjcc.edu)