Science is Funl

Novi Meadow STEM Night

When: Tuesday, March 12th from 6 - 8 pm.

Location: Novi Meadows 5th grade gym

STEM

During the event, we will have the Michigan Science Center, Society of Women Engineers from the University of Michigan, and TinkrLAB from Twelve Oaks facilitating demonstrations and hands-on activities related to science, technology, engineering and math. Everyone is welcome!

- Robot Petting Zoo
- Science Palooza
- ♦ STEM Careers
- Live Demos
- ♦ STEM Challenges & Activities

To register, please fill out the Google Form sent out!

Questions: maansi.nema1@gmail.com

Novi Meadows STEM Night Tuesday, March 12th, 2019







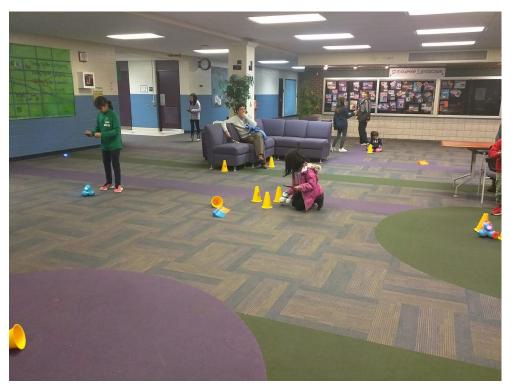
Hosted by Maansi Nema





This STEM Night wouldn't have been possible without Lisa Fenchel, 5th grade Principal & John Brickey, 6th grade Principal of Novi Meadows. They're very supportive and helped to make this event a huge success!





The TinkrLAB brought in cool and interesting gadgets that the students loved!

Students enjoyed the obstacle course and "Robot Petting Zoo".





The Society of Women Engineers from the University of Michigan.



SWE talked about **STEM** careers with the students.









Students had a blast making pretzel towers and candy catapults!



Explore Engineering



Coding Bracelets: Learn about binary by making a bracelet with a secret message. (Computer Science)

Pretzel Towers: Learn about structures by building the tallest pretzel tower. (Civil Engineering)

Candy Catapults: Learn about the design, test, build process by building a catapult. (Mechanical Engineering)





The SWE volunteers were amazing!



FIRST stands for For Inspiration and **Recognition** of Science and **Technology**



Frog Force, the high school robotics team, demoed their robot and played interactive games with the students while talking about their experiences in the FIRST program.





The Robo Titans, a middle school robotics team, participated in the event demoing their robots and teaching students how to drive and operate them.



The American Association of University Women are a huge inspiration!



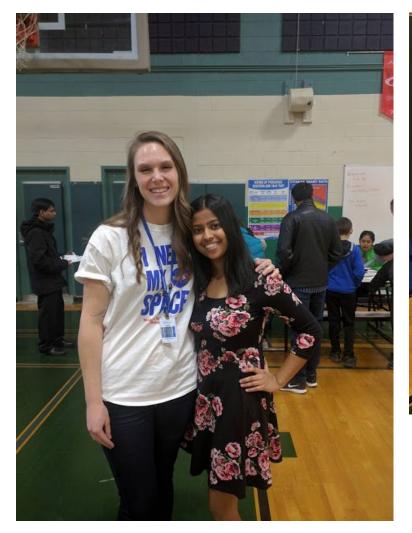
American Association of University Women

Northville - Novi

Empowering Women Through Education and Action



They advocate for women pursuing **STEM** fields and talk about many cool opportunities related to careers in the STEM field.





The Michigan Science Center brought 10 different STEM stations for the students!



'SCIENCEPALOOZA'

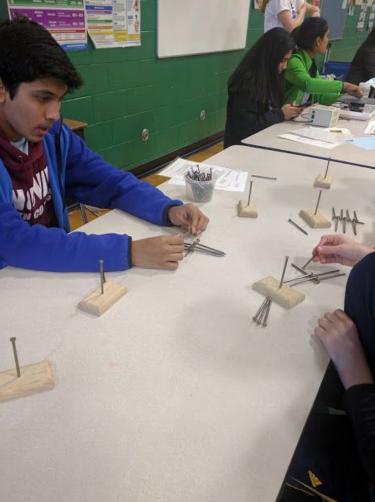
SCIENCEPALOOZA activities support Michigan's K-7 Science Grade Level Content Expectations.

- Vacuum Chambers Place objects inside our vacuum chambers and explore how materials are affected differently by extreme environments.
- Gravity Fail

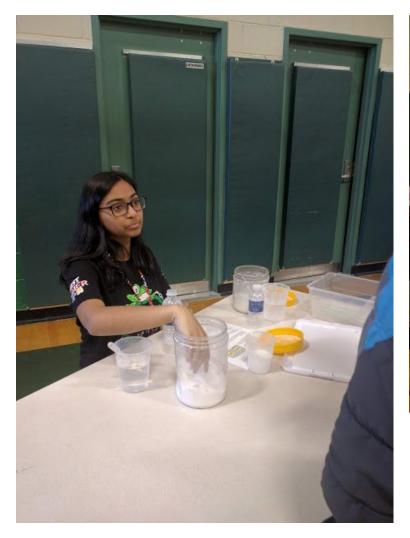
 Learn about attractive forces between molecules in this seemingly impossible experiment.
- 3. Balancing Nail Puzzle Can you get the hang of balancing 11 steel nails on top of just one single nail?
- 4. Exo and Endo 6 Some chemical reactions absorb heat while others release it!
- 5. Beaks for Eats Learn how birds use their adapted beaks as tools for survival.
- 6. Static Mayhem Explore electricity in its simplest form.
- 7. Sound Splash - Tune in and see how sound is really vibrating matter.
- 8. Thin Films – Explore the world of nanoscience and where it occurs in nature.
- 9. Vibrating Plates 🎻 What happens when sound waves collide?
- Paper Helicopters Learn about the dynamics of flight and take home your very own flying machine.







Our amazing volunteers from Novi Youth Council and Novi Public Library helped teach students different science concepts through fun STEM activities.





















right here right for you









Smith & Associates

This event would not have been possible without the support of our sponsors. Thank you for your generous donations and contributions. Maansi Nema, student at Novi High School received a classroom grant submitted for Novi Meadows of \$550 from the Novi Educational Foundation for Meadows STEM Night. @NoviHighSchool @NoviMeadows



I'm looking forward to the STEM Night again this fall!