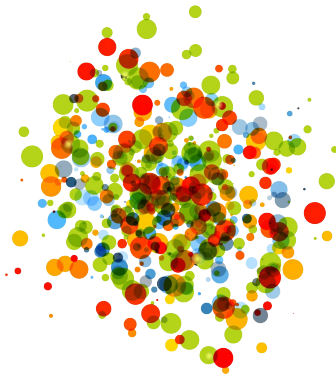




NEWTON'S
ROAD

Benzie
Sunrise Rotary
Club

February 9, 2021

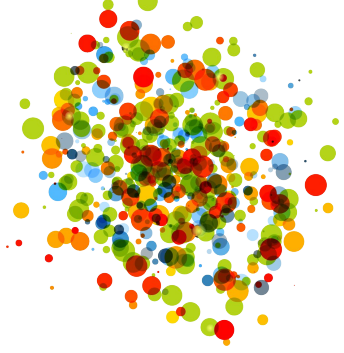


Newton's Road Mission

Newton's Road is a nonprofit organization dedicated to STEM-related learning for all youth in our region.

Through these experiences and career exploration, we empower our young people to thrive in our community and beyond.





WHAT WE DO

We

Connect

Curate

Enhance

Inspire

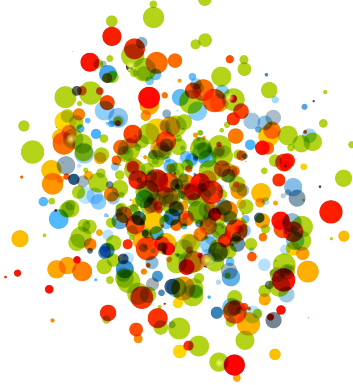
Empower



Driving STEM learning.

Sparking AHA moments.

Creating Pathways to success.



WHY WE DO IT

We want our kids to thrive!



The future is here, and it requires a citizenry fluent in science, technology, engineering, and math (STEM).

~ Smithsonian



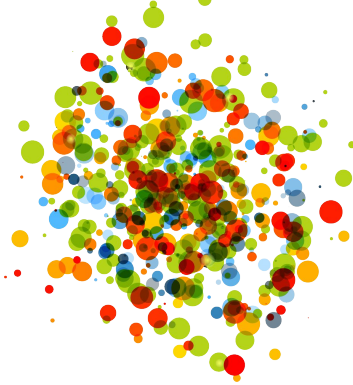
STEM occupations are forecast to grow at a rate over 76% higher than non-STEM job growth nationwide.

~ Bureau of Labor Statistics, Jul 21, 2020



STEM jobs are important for any region's economy, not only because of their increased prevalence, but also due to their significantly higher wages (average \$84,880 compared to \$37,020 for non-STEM occupations).

~ 2020 STEM Job Growth Index, Real Estate Advisors Company



WHO WE DO IT FOR

Sample Activities and Programs:



Youth



Parents



Educators



Businesses

STEM Kits
in Regional Libraries



(future)

STEM FINDER
Database & Calendar



TADL MakerFest
with STEAM/MAKER
Alliance



**CAREER
INVESTIGATOR**

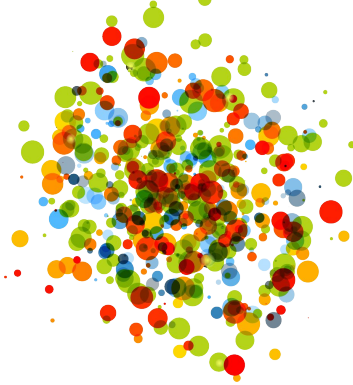


STEM at HOME
FB, YouTube, TACM

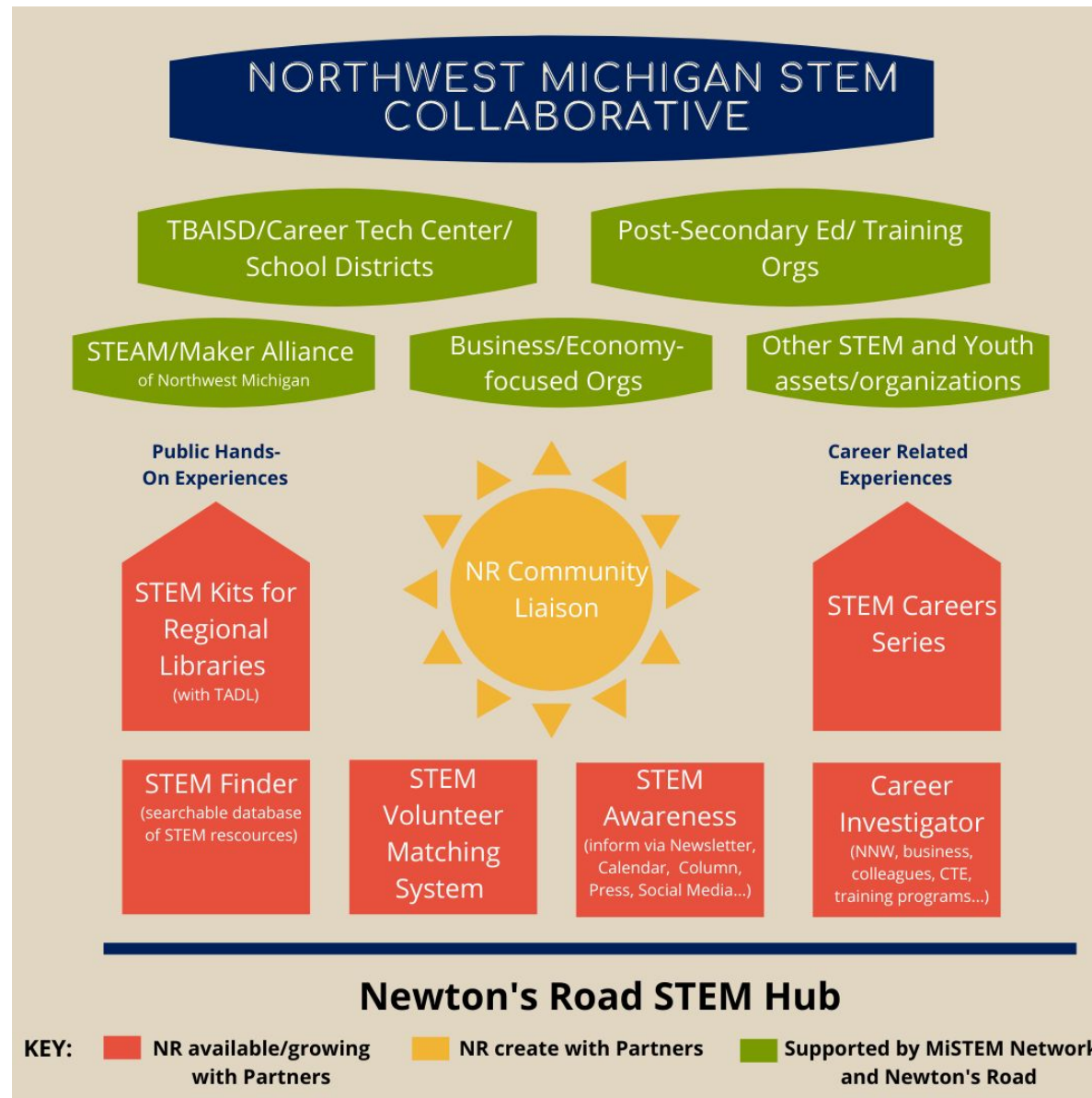


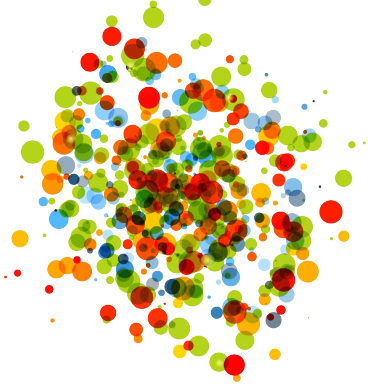
STEM Careers
FB, YouTube, TACM





WHO WE DO IT WITH

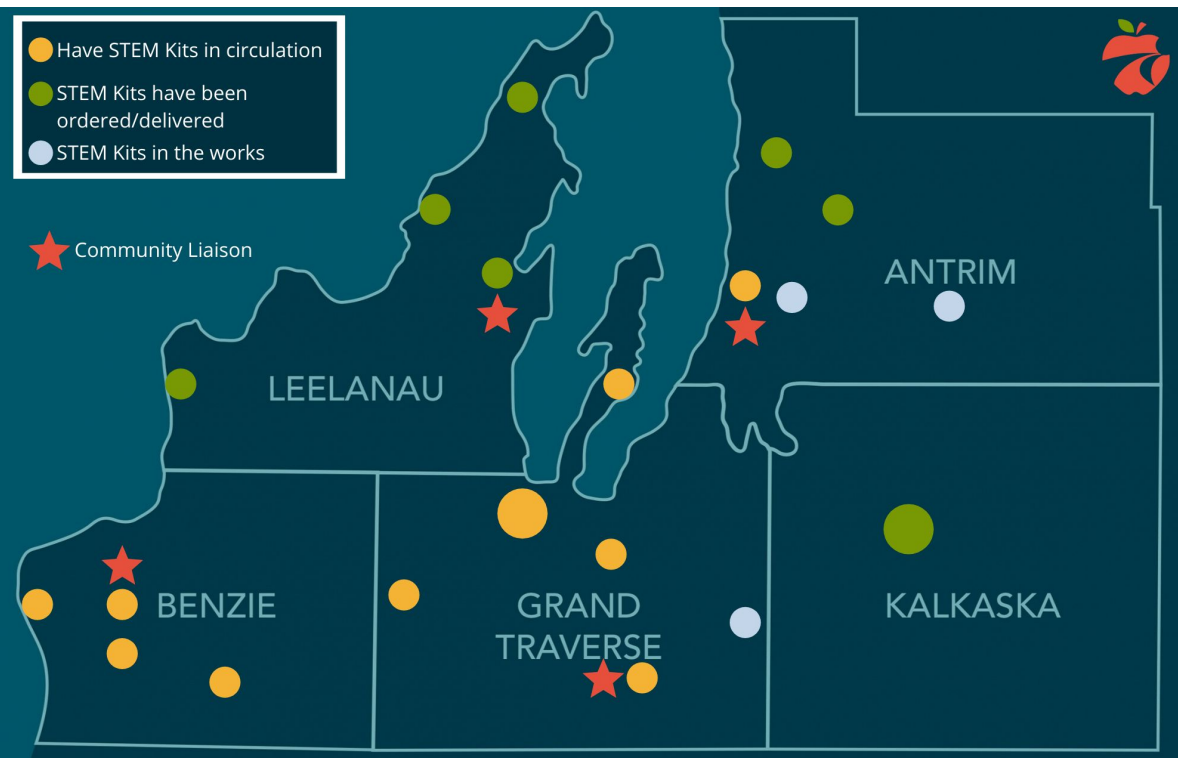


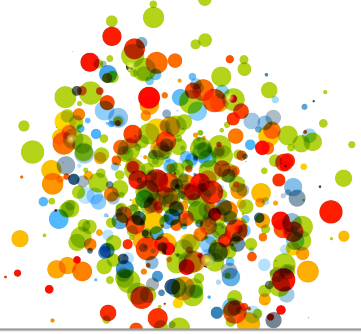


Community Liaison Program

Impact 100 TC 2020 Grant Recipient

Further develop and expand our Community Liaison program to encourage deeper and richer STEM learning for all youth in communities across the Northwest Michigan 5-county area.





Regional STEM Hub

newtonsroad.org



NEWTON'S
ROAD

Quicklinks ▾

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Parents and Students

Educators and Mentors

Community Leaders

Get Involved

About Us

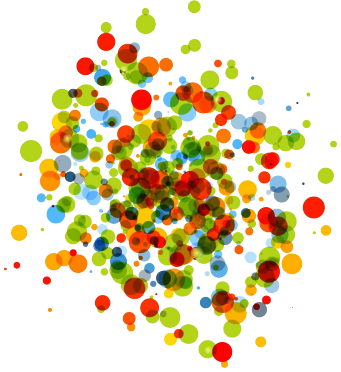


WELCOME TO

NEWTON'S ROAD

Driving STEM learning. Sparking AHA moments. Creating pathways to success.

Serving Northwest Michigan since 2010



Career Investigator for Northwest Michigan

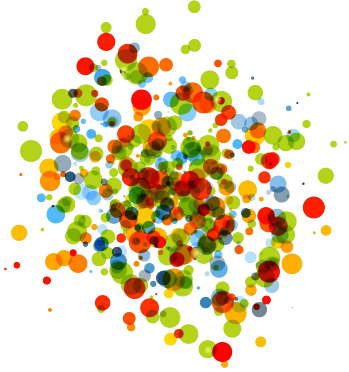
www.nwmicareers.org

Introducing an engaging regional hub for youth to explore STEM-related careers in Northwest Michigan solo or with their parents and mentors.

The screenshot displays the 'Career Investigator' website interface, which is organized into three main steps:

- 1. Choose a Career Family**: This step includes a 'Set Career Filters >' button and three category buttons: 'Healthcare Careers' (highlighted in orange), 'Manufacturing Careers', and 'Technology Careers'.
- 2. Choose a Healthcare Careers Career**: This step features a circular menu with 15 career options. The 'Phlebotomist' option is highlighted in orange. The other careers listed are: Registered Nurse, Physician and Surgeon, PT Assistant, Physical Therapist, Pharmacy Technician, Pharmacist, Occupational Therapist, Medical Lab Tech, Medical Health Service, Licensed Practical Nurse, EMT Paramedic, Dental Assistant, Cert. Nursing Assistant, Cert. Medical Assistant, and Biomed. Equipment Tech.
- 3. Explore This Career**: This step provides detailed information for the selected 'Phlebotomist' career. It includes:
 - At a Glance**: A brief description: 'Draw blood for tests, transfusions, donations, or research. Explain the procedure to patients and may assist in the recovery of patients with adverse reactions.'
 - Job Growth Projections (2019-2029)**: A table comparing growth rates.

Category	2019-2029 Projection
10-County Region	14.3%
Michigan	5.7%
U.S.	23%
 - Employed Regionally**: 60 In 2019.
 - Annual Hires Regionally**: 15 In 2019.



Cyber Learn-a-thon

organized by Newton's Road & 20Fathoms



Length of Learn-A-Thon

Four weeks from February 26 to March 26, 2021



15-hour self-paced intro course

Explores cyber trends, threats and staying safe in cyberspace. Multiple activities and quizzes engage students and reinforce learning.



Benefits of Intro to Cybersecurity

Teaches how to protect personal data and privacy online & in social media. Discusses why more IT jobs require cybersecurity knowledge and understanding.



In-Demand Skills

Cybersecurity skills are hot! Michigan reports 20% job growth for Information Cybersecurity Analysts, with median salaries ranging from \$75K to \$105K.



Free to join

There is no cost to join the Learn-a-thon.



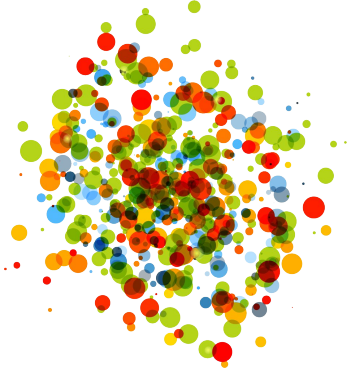
Level

Beginner.

There will be a Live/Recorded Panel discussing Cyber careers and local pathways to achieve them in the middle of the course!

[March 2021 Cyber Learn-a-thon PDF](#)

[Register HERE!](#)



STEM at HOME STEM Careers

Newton's Road Northwest
5 subscribers

[CUSTOMIZE CHANNEL](#) [MANAGE VIDEOS](#)

[HOME](#) [VIDEOS](#) [PLAYLISTS](#) [CHANNELS](#) [DISCUSSION](#) [ABOUT](#) [SEARCH](#)

Welcome to Newton's Road!
Newton's Road Northwest • 3 views • 21 hours ago
Newton's Road is a nonprofit organization dedicated to STEM-related learning for all youth in our region. Through these experiences and career exploration, we empower our young people to thrive in ...

STEM at Home ▶ [PLAY ALL](#)
STEM at Home for 6th-9th Graders features guests from industries in our region sharing about local STEM-related careers. This program is broadcast on Traverse Area Community Media,

STEM Career Videos ▶ [PLAY ALL](#)
The STEM Careers with Newton's Road series features guests from industries in our region sharing about local STEM-related careers including pathways and programs to obtain the skills needed.

STEM at Home: K-5th Grade, Great Lakes Children's...
Newton's Road Northwest
2 views • 3 months ago

STEM at Home: K-5th Grade, Building science
Newton's Road Northwest
No views • 3 months ago

STEM at Home: K-5th Grade, Living in Space with Greg...
Newton's Road Northwest
No views • 3 months ago

STEM at Home: K-5th Grade, SEEDS Ecology and...
Newton's Road Northwest
12 views • 4 months ago

STEM at Home: 6th-9th Astronaut Greg Johnson
Newton's Road Northwest
No views • 2 weeks ago

STEM at Home: 10-12th Grade Accounting and...
Newton's Road Northwest
2 views • 2 weeks ago

Education for IT
Only individuals licensed with computer-related professions at ITIL, due to the fact that ITIL is a certification, not a degree. It is a good first step without degree education to learn more about the industry. (Open to all ages, and get experience)

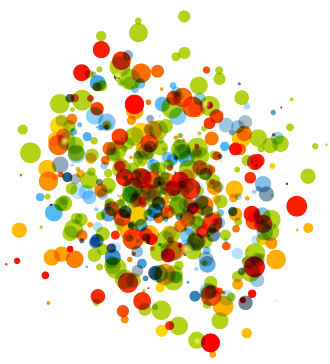
Communication Skills at any Level
Communication Skills at any Level

There is More to IT!
FORTNITE

[Newton's Road Website Hub](#)

[Newton's Road Facebook Live](#)

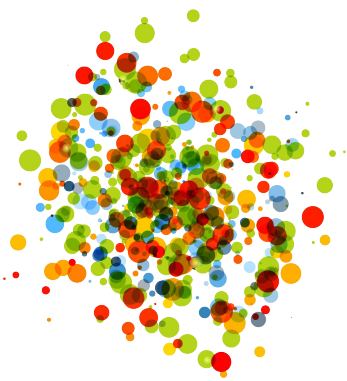
[Newton's Road YouTube Channel](#)



STEM Collaboration

- **Live from the Opera House: It's Storytime!**
 - In partnership with TCAPS, TADL, and The City Opera House [LINK](#)
- **STEM Kits in Regional Libraries**
 - In partnership with TADL
 - Giving families, youth leaders and teachers free access to quality play-based activities accessible through their regional library
 - Currently in East Bay, TADL, Kingsley and Elk Rapids Branch [LINK](#)





Our Team Members



Barb Termaat

Executive Director



Alex Anderson

Communications
and Operations
Manager



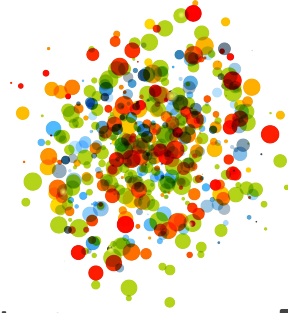
Michelle Keene

Americore
VISTA Intern
United Way



Jacob Ennis

Americore
VISTA Intern
United Way



Our Board of Directors

Chair

Bill Myers, CEO of Promethiant, Newton's Road co-founder

Vice Chair

Greg Johnson, Chief Space Officer (Ret. Astronaut, Air Force)

Member

Mike Groleau, RJG Principal and Chief Analytic Officer

Member

Cody Kangas, Michigan Tech University Director

Member

Matt Olson, TBAISD Vice President

Member

Heidi Skodack, TCAPS Director of School Improvement, STEM/CTE

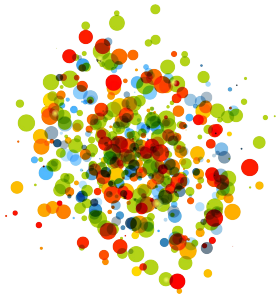
Member

Jason Slade, NMC Director of Technical Academic Area

Member

Rob Summers, Michigan MFG Tech Center, GTAMC past Chairman

Business and Education Leaders



Discussion

interests ~ ideas ~ next steps

Contact Us:

barbt@newtonsroad.org

www.newtonsroad.org

www.facebook.com/NewtonsRoad