



# The **INTERCHANGE** Newsletter

*Inspiring and engaging everyone in STEM*

From the Regional Math & Science Center at Grand Valley State University  
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[InterChange homepage](#)

## GVSU Hosts 39th Michigan Science Olympiad Region 12 Tournament

The 2023 Region 12 MSO tournament included 638 student competitors, from 52 teams and 40 different schools in the area. Students participated in events throughout the day that were centered around science, technology, engineering, and math.

[Science Olympiad article](#)



## Connections for the STEM Classroom

### Saving Biodiversity to Save Our Life-Sustaining Biosphere

A review of the report “Living Planet 2022: Building a Nature-Positive Society”, World Wildlife Fund, 2022.

By Ian Stone, Tony Weinke, Kaylynne Dennis, Nate Dugener, Clarisse Odebrecht, Juanma Medina-Sánchez and Bopi Biddanda

A new report chronicles the unprecedented scale of ongoing world-wide biodiversity loss under anthropogenic stressors and climate change, and lays out detailed plans



on what humanity should do – including recognizing the rights of Indigenous Peoples and utilizing the value of indigenous knowledge systems – to conserve extant biodiversity, enable ecosystems to recover and save our biosphere.

[STEM Classroom article](#)

## What are your students doing this summer?

GVSU is hosting a number of [STEM camps](#)!



### STEPS Engineering Camp

June 12-15, 2023

June 19-22, 2023

STEPS (Science, Technology, and Engineering Preview Summer) Camp is a fun and engaging week-long introduction to the world of science, technology, and engineering through the lens of aviation for participants currently in 6th grade.

[STEPS Camp article](#)

### Energizing Our World Camp

June 26-29, 2023

Energizing Our World is a four-day camp designed to spark interest in renewable energy. Students will participate in activities that provide hands-on experiences with a variety of renewable energy sources. Participants must be in the 6th or 7th grade

[EOW Camp article](#)



### sHaPe Camp

July 10-13, 2023

sHaPe (Summer Health Activities and Professions Exploration) is a four-day introduction to health careers for



boys and girls currently in 7th and 8th grade.  
[sHaPe Camp article](#)

## Advanced Manufacturing Camp

July 17-21, 2023

Advanced Manufacturing Camp is a five-day, hands-on immersive experience for students currently in 5th and 6th grade. Campers participate in activities include team-building in addition to breakout sessions facilitated by GVSU staff, students, and industry professionals from the West Michigan area.

[Advanced Manufacturing Camp article](#)



## Camp Invention

July 24 - 27, 2023

Camp Invention is for Curious kids entering grades K-6. It is a confidence-boosting STEM summer camp where kids build creative inventions and lasting friendships.

[Camp Invention article](#)

## GenCyber Camp

July 24 - 29, 2023

The School of Computing at Grand Valley State University is excited to host West Michigan's first-ever GenCyber camp. This program provides a cybersecurity camp experiences for high school level (9th to 12th grade) students.

[GenCyber Camp information](#)

**For more information and to register for these camps and other camps offered by GVSU, visit [gvsu.edu/camps](https://gvsu.edu/camps). For a printable flyer of these STEM camps and other summer STEM activities, visit the [RMSC website](#).**

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## Attend the Arnold C. Ott Lectureship in Chemistry

Make plans to attend the Community Lecture: Can Organic Batteries Power a Sustainable Electrical Grid? on April 13, and the Chemistry Seminar: Electrochemical Trickery: Turning Organic Macrocycles into Conductive Polymers and Supercapacitors on April 14 at GVSU. The presenter is Dr. Thomas Guarr, Director of Research and Development, Michigan State University

## Plan to Attend the Regional Meeting of the Geological Society of America

May 4-6, 2023, GVSU will host the meeting for north central section of the Geological Society of America in Grand Rapids.

[GSA article](#)

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**VAN ANDEL INSTITUTE®** Van Andel Institute for Education  
Empowers K-8 Educators with  
High-Quality Afterschool and

## Summer School Programs

Van Andel Institute for Education (VAI) has always been committed to fostering education both within and outside of the classroom. To better meet these growing needs, VAI is once again inviting teachers to explore their comprehensive, project-based Afterschool and Summer School programs for grades K-8.

[VAI Project-Based Learning article](#)

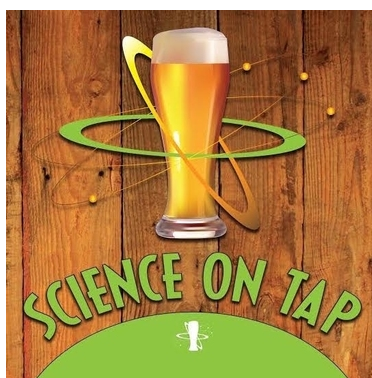
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## Math Recovery Scholarships Available for Educators

The MiSTEM Network is sponsoring 200 scholarships for Math Recovery virtual professional learning sessions summer 2023.

[Math Recovery article](#)

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## Attend Science on Tap!

**April Topic: Art And The Resurrection Of Anatomy As A  
Science In The Renaissance – An Anatomist's Perspective**

By Chris Reed, Dept. of Biomedical Sciences, GVSU

Thursday, April 13

[Science on Tap article](#)

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# Check out the latest MiSTEM Network- Greater West Michigan Region Newsletter!



Greater West  
Michigan Region

The MiSTEM Network is connecting education, businesses, and community partners across the state to transform the way Michigan does STEM.

[MiSTEM Newsletter](#)

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