

Welcome

to the Vivian von Gruenigen, MD
STEM Center of Excellence

Vivian Von Gruenigen, MD
STEM CENTER OF EXCELLENCE

girl scouts
of north east ohio

Daley Family
Campus for
STEM Innovation



We invite you to discover a world of innovation, exploration, and creativity, where all are encouraged to make the world a better place through nature-inspired design.

Welcome *hello!*

Girl Scouts of North East Ohio has taken a bold step in strengthening STEM programming in Northeast Ohio with the opening of the **Vivian von Gruenigen, MD STEM Center of Excellence at Camp Ledgewood’s Daley Family Campus for STEM Innovation**. Nestled within the Cuyahoga Valley National Park, this cutting-edge STEM Center will serve as a hub of innovation, conveniently located within 30 minutes of 51% of GSNEO members.

To spark long-term engagement in STEM, it is essential to begin early. By the time they reach third grade, many kids start saying “I’m not really into STEM.” But the Girl Scout Leadership Experience (GSLE) is designed to change that. Through a comprehensive framework built on four core program pillars—Life Skills, Entrepreneurship, Outdoors, and STEM—girls are empowered with hands-on, age-appropriate experiences in fields like engineering, computer science, and outdoor STEM. This focus helps build their confidence, competence, and interest in subjects that will shape their futures.

This 8,000-square-foot STEM Center offers a wide range of program spaces, including a wet lab, tech workshops, outdoor classrooms, and an observatory for stargazing. A green roof provides an innovative space for studying alternative energy, while the STEM Center’s commitment to sustainable, nature-inspired design reflects the Girl Scouts’ emphasis on environmental stewardship. Since the introduction of new STEM badges in 2017, Girl Scouts has continually enhanced its offerings, ensuring that girls develop critical skills in both STEM and environmental conservation.

With over 144 STEM badges tied to a core curriculum, this dedicated space is more than just a center—it’s a gateway to a future where youth are not only encouraged to explore STEM, but are fully prepared to lead it. Together, we are cultivating the next generation of innovators, problem-solvers, and trailblazers.



Daley Family Campus *for* STEM Innovation Programs

School Field Trips

Through collaborative efforts with schools, girls and boys from all over the region will be inspired on field trips, both day trips or overnight. The STEM Center’s unique location makes it accessible for students from the urban core or rural communities. More than 100,000 K-5 students live within 30 minutes of Camp Ledgewood.



GSNEO Summer Camps

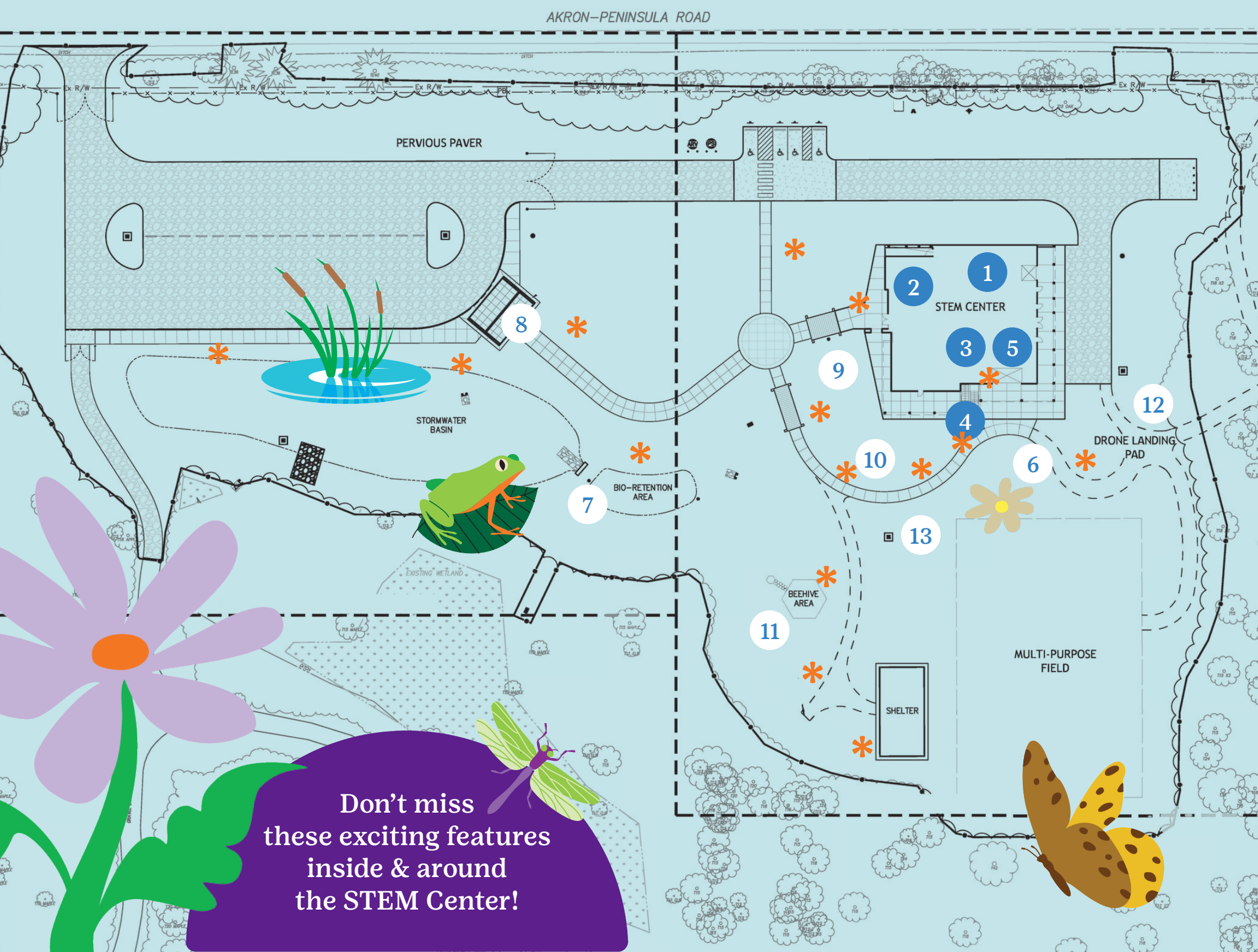
During the summer camp season, GSNEO offers many camp programs that further education in STEM subjects. STEM camps are offered to Girl Scout Brownies through Ambassadors, sparking interest in STEM and environmental topics.



GSNEO Programming

Throughout the year, Girl Scout programming will be held at the STEM Center for girls to gain hands-on and unconventional learning opportunities.

The STEM Center of Excellence will be dedicated to school groups during the day through the school year.



Don't miss
these exciting features
inside & around
the STEM Center!

INSIDE features

- 1 - **Did you play Eco Weather Quest?**
Consider weather and different alternative energy equipment and maximize power generation!
- 2 - **Did you notice the Gears of Gratitude wall?**
We are so thankful for all our donors. Gears are a symbol of industry but also appear in nature. Don't miss the planthopper story here.
- 3 - **Don't miss the interactive floor as soon as you walk in the main doors!** Play a game or two!
- 4 - **Check out the green roof.** Our plant friends are more than just pretty. They help regulate the building's temperature!
- 5 - **Do you spot a colorful butterfly in the Tech Lab?** Not all color comes from dyes, learn what makes a butterfly shimmer.

OUTSIDE features

- Check out the 15 **Inspired Innovation** signs outside the building! They tell stories of how animals, plants, and insects sparked big innovation! Can you find them all? They are indicated with a * on the map.
- 6 - **Can you find all four unique pieces of furniture made from a retired wind turbine blade, recycled after its useful life?** Girl Scouts use resources wisely!
 - 7 - **Did you notice the bioretention area?** Bioretention systems show how people copied nature to solve the big problems of water runoff and erosion. Read more on these interpretive signs.
 - 8 - **Did you notice the shape of the STEM Center and Welcome Pavilion's roof?** This roof design helps the building shed rainwater to the plants below among other benefits. Read the sign for more information.
 - 9 - **Did you see the Rain Garden?** Rain gardens are a human-made way to catch clean rainwater! You can even plant your own rain garden at home or in your community to help the environment and water cycle. A rain barrel can have the same benefits, find one on the opposite side of the building.
 - 10 - **Did you notice the Smart Flower and Fibonacci Plaza?** The Smart Flower is a solar panel system designed to mimic the movement of a real flower – opening, rotating, and following the sun to capture the maximum amount of sunlight through the day. The plaza where it's installed also highlights the Fibonacci Sequence, a mathematical pattern found in nature where each number is the sum of the two preceding ones, creating a continuous indefinite spiral pattern.
 - 11 - **Did you see the beekeeping area?** These special bee hives are not only great habitat for bees, but they let people harvest the honey with just a turn of a handle and minimal disturbance to the bees.
 - 12 - **Drone Landing Pad.** Up, up and away! Our visitors will learn about the many uses of drones and career possibilities!

Can you find
all the new
STEM CENTER
features?



Thank You STEM CENTER Donors!

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Dr. Vivian von Gruenigen

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Kathy Moock GSNEO Board Chair and Lead Donor

Kathy Moock is a long-time volunteer and supporter of GSNEO. She's been a Girl Scout since grade school and remained a member through high school, earning the Gold Award, the highest award in Girl Scouting.

A board member for more than eight years, Kathy currently serves as GSNEO's Board Chair through 2026. She has also served as board secretary, chair of the Board Development Committee, and a member of the Community Engagement and Strategic Planning Committees. In 2019, Kathy received GSNEO's Woman of Distinction Award and in 2020 served as the Chair of the Women of Distinction Awards event. As a former troop leader for her daughters, one of her favorite memories was being the Cookie Mom for her youngest daughter's troop, where they sold hundreds of packages of Girl Scout Cookies, funding an entire camping trip. *"The STEM Center of Excellence at Camp LedgeWood is a transformational project that will positively impact the lives of Girls Scouts and other school-aged children for years to come,"* Kathy said. *"The STEM Center will benefit the entire community as well as expose girls to careers in STEM."*



Meredythe Daley

Lead Donor

Meredythe Daley represents the Daley Family Foundation, a donor to GSNEO's STEM Center Capital Campaign.

We asked her to comment on how her background motivated her to donate and on the importance of the project.

"My Girl Scout journey began in Midland, MI, as a second-grade Brownie, with my mother as my troop leader. While earning badges was rewarding, summer camp was always the highlight. It taught me leadership, teamwork, and turning challenges into growth, forming a strong foundation for my future.

In 1974, I joined Procter and Gamble's Finance and Accounting Management Trainee program as one of the first women. I enjoyed Internal Auditing and transitioned into Information Technology, enhancing database management and improving colleagues' experiences. After leaving the workforce, I discovered my passion for making a difference.

The GSNEO FabCab project in 2018 excited me with its potential to impact young people. It grew into a STEM Center, providing enriching experiences for Girl Scouts and the broader community. It was a perfect opportunity for the Daley Family Foundation to give back and honor my STEM career and personal growth from Camp Ledgewood."

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Dr. Vivian von Gruenigen

Lead Donor and Honorary Co-Chair of the STEM Center Capital Campaign

In her career as a physician leader, Dr. Vivian von Gruenigen has served as Division Chief, Chair, and Chief Medical Officer, earning numerous educational, service, and research awards locally and nationally. She has been on various boards, including the Foundation for Women's Cancer, Society of Gynecologic Oncology, Summa Health System, Accountable Care Organization, Stark State Community Foundation, and the American Board of Obstetrics and Gynecology as their Excellence Foundation Chair. She is currently a Board Director-at-Large for GSNEO.

Dr. von Gruenigen has strongly supported STEM programming for Girl Scouts since joining the Board of Directors. As Honorary Campaign Co-Chair, she and her husband, Dr. Dominic J. Bagnoli, actively engage peers and community leaders.

"As a female STEM leader, I believe it's important to ensure our Girl Scouts have a supportive environment to explore STEM," Dr. von Gruenigen said. *"Women have faced challenges to become successful, and we should be role models to guide the next generation toward their own success."*

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see additional programming
and calendar of events
scan the QR code below.





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