



STEM Center of Excellence FIELD TRIP ITINERARY

Elyria Catholic
May 5th and 6th

Trip Date	5/5 5/6
Pick up at School	-
Drop off STEM Center	9:30am
Depart STEM Center	1:30pm
Return to School	-
Bus Provider	school providing transportation

Contact Name	
Contact Role	Teacher
Contact Phone #	
Total # of Students	76 Tuesday 42 Wednesday
Grade Level	9th
# of Chaperones	4-6

Field Trip Objective	Students will engage a variety of STEM activities focusing on Astronomy and rocketry.
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Hands-on STEM,
Nature, Problem
Solving, and
Creativity for
K-12 students



Optional Pre-Visit Activities

Have students research CVNP. What types of plants and insects should they expect to see on their hike. How should they dress to be most prepared?

Research NASA mission patches from the past.



LEARNING ACTIVITIES

Wet Lab	Alien Terrains	Discover how NASA has used biomimicry to design rovers for the moon and Mars.
Woodshop	Stomp Rockets	Experiment with different rocket designs and attempt to hit the targets.
Tech Lab	Symbols and Patch	Examine mission patches and explore symbology before designing their own Mission Patch and design the payload for their mission.
StarLab	Constellations	Explore space in our inflatable planetarium.



LEARNING STANDARDS

ODEW: Science Standards	<ul style="list-style-type: none"> • HS.PS.2 – Motion and stability: Forces and interactions • HS.PS.2.1 – Analyze data to support the relationship between net force, mass, and acceleration
ODEW Science Practices	<p>Asking scientific questions Planning and conducting investigations Drawing conclusions based on evidence Communicating results clearly</p>
<u>21st Century Learning Standards</u>	<p>Creativity and Innovation Critical Thinking and Problem Solving Communication Collaboration</p>



OPTIONAL POST-VISIT EXTENSION ACTIVITIES

Nature	Visit https://www.nps.gov/cuva/learn/education/classrooms/curriculummaterials.htm to see additional learning opportunities from CVNP.
Physics	Continue with rocketry and have students build and launch their own model rockets.
Entertainment	Assign students to watch different space movies and give a 3 minute overview of the science they learned or how they were inspired by the movies.

IMPORTANT INFORMATION

WHAT TO WEAR	Students must wear closed toed shoes to be able to participate in all activities. They should dress comfortably, long hair should be tied back. We MAY go outside if the weather cooperates.
WHAT TO BRING	Students do not need to bring anything with them for this experience.
OUTDOORS	If the weather is nice, students will explore the CVNP! This may include playing in the grass and walking or light hiking through foliage. We have bug spray and sun screen available. Kids and adults should check for bugs and ticks when returning home.
FOOD + DRINK	Students should bring a packed lunch that does not need to be refrigerated. They are also welcomed to bring a water bottle or drink. We have water cups and a drinking fountain available.
PHOTOS	Students need to have a photo released form signed by a parent or guardian. These forms will be collected upon arrival to the center. If students do not have the permission slip signed, the teacher will be responsible for ensuring the student wears a paper bracelet.
HEALTH AND SAFETY	Educators are responsible for communicating any health or safety concerns including allergies, physical accommodations, or other needs of the group. Basic first aid supplies and an AED are available at the STEM Center.
CHAPERONE PARTICIPATION	Teachers and chaperones should be prepared to be an active participant throughout the day. All learning activities are hands-on and many students will require guidance and assistance. Chaperones are also responsible for monitoring lunch time.

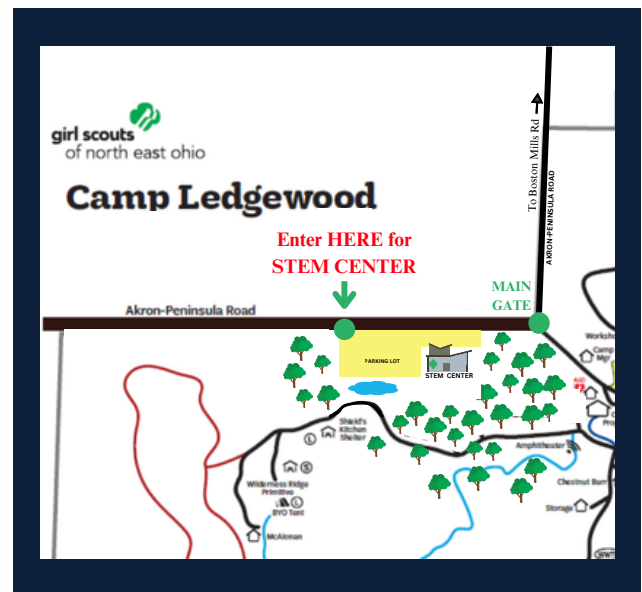


GSNEO STEM Center

[6751 Akron-Peninsula Rd. Peninsula OH 44264](https://www.google.com/maps/place/6751+Akron-Peninsula+Rd,+Peninsula,+OH+44264)

Please use GOOGLE MAPS to look up the address. Other map services do not have the address in the right location!

Do NOT go through the main Camp Ledgewood Gate! When you get to the main gate and large stone sign, follow the STEM CENTER signs and turn RIGHT to continue to the STEM Gate.



Sarah Wallace - STEM Director
330-256-3509

Please contact Sarah Wallace, Director of STEM Experience at swallace@gsneo.org with GSNEO with any follow up questions, issues, or request for additional information.

Tentative Schedule

Elyria Catholic					
May 5th- 76 kids, May 6th- 42 kids - 9th grade					
9:30 AM	Arrival	Group A	Group B	Group C	Group D
9:35 AM	9:40 AM	Welcome			
9:45 AM	10:20 AM	WetLab	Workshop	Techlab	StarLab
10:25 AM	11:00 AM	Workshop	Techlab	StarLab	WetLab
11:05 AM	11:40 AM	Techlab	StarLab	Multi	Lunch
				Lunch	Multi
11:45 AM	12:20 PM	Multi	Lunch	WetLab	WetLab
		Lunch	Multi		
12:25 PM	1:00 PM	StarLab	WetLab	Workshop	Techlab
1:00 PM	1:10 PM	Survey			
1:10 PM	1:25 PM	GREEN EGG LAUNCH			
1:30 PM	Departure	Departure			
WETLAB	Stomp	Jennifer			
WORKSHO	Patch	SARAH J			
TECHLAB	Alien	TINA			
Lobby	StarLab	SOFIA			
Multi	Payload /	Sam			
Outside	Lunch	Claudia			