



VALHEN STEM ACADEMY

July 30 - August 1, 2025



Day One: Wednesday, July 30, 2025

Time	Residential Participants	Time	Day-Only Participants
9:15-10:15 am:	Residential Participant Arrival & Check-In		
10:15-11:00 pm:	Room Set Up, Dormitory Tour & Travel to Orientation	10:30 – 10:55 am:	Day-Only Participant Check-In
11:00 – 12:10 pm:	VSA Program Kickoff	11:00 – 12:10 pm:	VSA Program Kickoff
12:10 – 1:00 pm:	Lunch (Speaker TBD)	12:10 – 1:00 pm:	Lunch (Speaker TBD)
1:00 – 2:00 pm:	George Mason Campus Tour	1:00 – 2:00 pm:	George Mason Campus Tour
2:00 – 5:45 pm:	STEM in Action Breakout Session: Integrated Physics/Data Science & STEM Solutions Lab Project Overview	2:00 – 5:45 pm:	STEM in Action Breakout Session: Integrated Physics/Data Science & STEM Solutions Lab Project Overview
6:00 – 8:00 pm:	Dinner (Speaker TBD) & STEM Solutions Lab Work Session	5:45 – 6:00 pm	Day-Only Pick Up #1
8:00 – 9:30 pm:	STEM in Action Session: Astronomy Night at the Observatory	6:00 – 7:45 pm:	Optional Dinner (Speaker TBD) & STEM Solutions Lab Work Session
9:30 – 9:45 pm:	Return to Dormitory	7:45 – 8:00 pm:	Day-Only Pick Up #2
9:45 – 10:55 pm:	Free Time/Optional Project Feedback	8:00 – 9:30 pm:	Optional STEM in Action Session: Astronomy Night at the Observatory
11:00 pm:	Curfew & Room Check	9:30 – 9:45 pm:	Day-Only Pick Up #3

Day Two: Thursday, July 31, 2025

Time	Residential Participants	Time	Day-Only Participants
8:00 am	Meet in dorm lounge promptly at 8 am and walk to breakfast.		
8:15 – 9:00 am:	Breakfast	8:15 – 9:00 am:	Optional Breakfast Check-In: 8:15 am, or No Breakfast Check-In: 8:50 am.
9:00 – 9:30 am:	Day Two Kickoff Activity	9:00 – 9:30 am:	Day Two Kickoff Activity
9:30 – 12:00 pm:	STEM in Action Breakout Sessions (Genetics & Electrochemistry): must wear long pants and close-toed shoes.	9:00 – 12:00 pm:	STEM in Action Breakout Sessions (Genetics & Electrochemistry): must wear long pants and close-toed shoes.
12:00 – 1:00 pm:	Lunch (speaker TBD)	12:00 – 1:00 pm:	Lunch (speaker TBD)
1:00 – 2:00 pm:	STEM Demos (Sustainable Agriculture and Atmospheric Science)	1:00 – 2:00 pm:	STEM Demos (Sustainable Agriculture and Atmospheric Science)
2:00 – 5:45 pm:	STEM in Action Breakout Session (Forensic Science & Quantum Cascade Laser Demo); SciComm Overview; STEM Solutions Lab Work Session	2:00 – 5:45 pm:	STEM in Action Breakout Session (Forensic Science & Quantum Cascade Laser Demo); SciComm Overview; STEM Solutions Lab Work Session
5:45 – 7:45 pm:	Dinner/STEM XP: Arcade Edition & Scavenger Hunt (Optional for Day-Only Students)	5:45 – 6:15 pm	STEM Solutions Lab Feedback Session
7:45 – 8:00 pm:	Return to Dormitory	6:15 – 6:30 pm	Day-Only Participant Pick Up #1
8:00 – 10:00 pm:	STEM Solutions Lab Feedback Sessions	6:30 – 7:45 pm	Dinner/STEM XP: Arcade Edition & Scavenger Hunt (Optional for Day-Only Students)
10:00 – 10:55 pm:	Free Time/Optional Project	7:45 – 8:00 pm:	Day-Only Participant Pick Up #2
11:00 pm:	Curfew & Room Check		

Day 3: Friday, August 1, 2025

Time	Residential Participants	Time	Day-Only Participants
8:00 am	Meet in dorm lounge promptly at 8 am and walk to breakfast.		
8:15 – 9:00 am:	Breakfast	8:15 – 9:00 am:	Optional Breakfast Check-In: 8:15 am, or No Breakfast Check-In: 8:50 am.
9:00 – 9:30 am:	Day Three Kickoff	9:00 – 9:30 am:	Day Three Kickoff Activity
9:30 – 12:00 pm:	STEM in Action Breakout Sessions: Civil Engineering & STEM Professionals Networking Session	9:30 – 12:00 pm:	STEM in Action Breakout Sessions: Civil Engineering & STEM Professionals Networking Session
12:00 – 1:15 pm:	Lunch & Final Presentation Preparation	12:15 – 1:15 pm:	Lunch & Final Presentation Preparation
1:15 – 1:30 pm:	Travel to Closing Session	1:15 – 1:30 pm:	Travel to Closing Session
1:30 – 2:45 pm:	STEM Solutions Lab Presentations	1:30 – 2:45 pm:	STEM Solutions Lab Presentations
2:45 – 3:30 pm:	Awards Ceremony & Program Closing	2:45 – 3:30 pm:	Awards Ceremony & STEM Academy Program Closing
3:30 – 3:45 pm:	Return to Dormitory/Day-Only Participant Check-Out	3:30 – 3:45 pm:	Day-Only Participant Check-Out
3:45 – 4:30 pm:	Residential Student Room Checks & Check Out		

***Draft schedule – session timing and breakout sessions are subject to change.**