



Concessions

Quiet Room
Lost & Found

Day of
Ticket Sales

Food
Drive

Main Building Entrance

Troop
Meeting
Place



Welcome to
Girl Scout
STEM Day!

Girl Scout Badges and Patches

During STEM Day, you have the opportunity to work toward earning different Girl Scout [badges and patches](#)! By visiting the various booths, you can complete several steps to the following Girl Scout badges and patches for your age level. Finish any remaining steps at home or with your troop! Grade levels include:

- D - Girl Scout Daisies (K-1)
- C - Girl Scout Cadettes (6-8)
- B - Girl Scout Brownies (2-3)
- S - Girl Scout Seniors (9-10)
- J - Girl Scout Juniors (4-5)
- A - Girl Scout Ambassadors (11-12)

By attending STEM Day 2025, all Girl Scouts have earned the [STEM Career Exploration badge \(all levels\)](#) and completed the first activity for the [STEAM Challenge patch \(all levels\)](#)!

Girl Scouts can work toward earning the following patches and badges by visiting the booths listed below:

Booth	Partner Name	Activity Description	Badge Connections
1	STEM Day Feedback	Pick up your STEM Day 2025 Fun Patch and share feedback about STEM Day!	STEM Day 2025 Fun Patch
2	First Aid	Please stop by Booth 2 if you require First Aid. If you are lost, go here to meet your group. If you are missing a child, go here to get help locating them.	
3	Women's Transportation Seminar	Explore STEM in transportation.	All levels - STEM Career Exploration badge
4	VintageTEK Museum	Explore vintage tech equipment through hands-on experiments.	All Levels - Digital Leadership

Booth	Partner Name	Activity Description	Badge Connections
5	Girl Scouts of Oregon and Southwest Washington Highest Awards Team	Explore STEM Highest Award projects and get inspired to take action!	All levels - <u>Golden Trefoil patch</u>
6	Girl Scouts of Oregon and Southwest Washington Travel Team	Try a fun travel planning activity and talk to volunteers from our Travel Team and Girl Scouts who traveled on Destinations.	All levels - <u>Golden Trefoil patch</u>
7	National Association of Women in Construction - NAWIC	Discover tools of the construction trade.	C, S, A - <u>Outdoor Career Exploration patch</u> All Levels - <u>The House That She Built patch (purchase the patch online)</u>
8	Oregon Department of Emergency Management (OEM) and Oregon Department of Geology and Mineral Industries (DOGAMI)	Explore the impact of earthquakes and tsunamis, and learn how to prepare for an emergency.	C, S, A - <u>Outdoor Career Exploration patch</u>
9	Willamette University	Look at pond water and cheek cells through a microscope.	All levels - <u>STEM Career Exploration badge</u>
10	High Voltage	Meet the High Voltage Robotics Team's robot.	All levels - <u>Robotics badge</u>
11	Portland General Electric	Discover the tools of the trade and learn about clean and renewable energy.	All levels - <u>STEM Career Exploration badge</u>

Booth	Partner Name	Activity Description	Badge Connections
12	Oregon State University: The Climate, Earth, Oceans, and Atmosphere Outreach Group	Discover the ocean through various activities and explore related careers.	All levels - <u>STEM Career Exploration badge</u>
13	Oregon Health & Science University - Portland Alcohol Research Center	Understand the brain and explore careers in neuroscience.	All levels - <u>STEM Career Exploration badge</u>
14	International STEM League	Explore a STEM-themed Escape Room.	J - <u>Detective badge</u> C - <u>Special Agent badge</u>
15	Oregon Optometric Physicians Association	See careers in optometry and explore the STEM in your eyes.	All levels - <u>STEM Career Exploration badge</u>
16	Daimler Truck North America	Discover the automotive industry and check out a Semi truck in person.	All levels - <u>STEM Career Exploration badge</u> All levels - <u>Automotive badge</u>
17	OregonRocketry	Explore the physics of flight and make and launch straw rockets.	All levels - <u>Space Science badge</u> D, B, J - <u>Mechanical Engineering badge</u>
18	Applied Materials	Learn about semiconductors and try out robot arms.	All levels - <u>Robotics badge</u>
19	Oregon Health & Science University - Balance Disorders Laboratory	Uncover the science of balance and gait.	All levels - <u>STEM Career Exploration badge</u>

Booth	Partner Name	Activity Description	Badge Connections
20	Chemeketa Electronics Department	Learn about electronics and renewable energy with an AG robot.	All levels - <u>Robotics badge</u>
21	Professional Land Surveyors of Oregon (PLSO)	Explore high-tech equipment and discover the world of surveying.	C, S, A - <u>Outdoor Career Exploration patch</u>
22	Friends of Noise	Discover the science behind music with sound engineering.	J - <u>Entertainment Technology badge</u>
23	Oregon State University Overclocking	Try a fun puzzle and explore computer hardware.	All levels - <u>Robotics badge</u>
24	Crescent Valley Robotics	Play with interactive robots.	All levels - <u>Robotics badge</u>
26	Tillamook County Creamery Association	Discover the STEM in dairy.	All levels - <u>Oregon Dairy patch</u>
27	Oregon State University Department of Fisheries, Wildlife, and Conservation Sciences	Explore high-tech equipment in conservation and wildlife careers.	D - <u>Animal Observer badge</u> J - <u>Animal Habitats badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>
28	Portland Fire & Rescue	Try on some fire gear and discover what it's like to be a firefighter.	C, S, A - <u>Outdoor Career Exploration patch</u> B, J, C, S, A - <u>First Aid badge</u>
29	Girl Scout of Oregon and Southwest Washington Overnight Camp	Discover STEM in the great outdoors with overnight camp.	All levels - <u>Golden Trefoil patch</u>

Booth	Partner Name	Activity Description	Badge Connections
30	Tualatin Valley Physical Therapy	Try a mini obstacle course.	All levels - STEM Career Exploration badge
31	Starker Forests Inc.	Learn to identify trees and explore the products that come from them.	C, S, A - Outdoor Career Exploration patch
32	The LEGO Legends FIRST LEGO League	Discover LEGO robotics with the LEGO Legends.	All levels - Robotics badge
33	Oregon Health & Science University - Department of Molecular & Medical Genetics	Dissect a strawberry and check out its DNA.	J - Detective badge C - Special Agent badge
34	The 2nd Drawer Down	Discover the science of sewing.	All levels - Science of Sewing patch
35	Patient Care Partners	Try out different medical assessments used in the field of medicine.	All levels - STEM Career Exploration badge
36	Oregon Dairy Women	Make a smoothie with the power of a bicycle and learn about life on the farm.	All levels - Oregon Dairy patch
37	Mathnasium of Salem	Play some fun math games.	All levels - STEM Career Exploration badge
38	Oregon Department of Agriculture Insect Pest Prevention and Management	Explore the world of insects.	B - Bugs badge J - Gardener badge
39	JoyRx: Children's Cancer Association	Explore how music plays a role in mental, physical, and emotional well-being.	All levels - Body Appreciation badge All levels - Resilient.

Booth	Partner Name	Activity Description	Badge Connections
			<u>Ready. Strong. patch</u>
40	Oaks Park Association Roller Rink	Learn about the engineering behind rollerskating.	D, B, J - <u>Mechanical Engineering badge</u>
41	Salem Health Community Health Education Center	Learn how to be more prepared for an emergency.	B, J, C, S, A - <u>First Aid badge</u>
42	League of Women Voters of Oregon and Southwest Washington	Explore the power of civic action.	B, J, C, S, A - <u>Democracy badges</u> C, S, A - <u>Civic Leadership Challenge</u>
43	Salem Amateur Radio Club	Learn about HAM radios and Morse code.	All levels - <u>STEM Career Exploration badge</u>
44	Ballard Marine Construction	Build a bridge together with others	D, B, J - <u>Mechanical Engineering badge</u>
45	Willamette Resources & Educational Network (WREN)	Discover the ingredients for a healthy wetland habitat.	All Levels - <u>Seeking Sasquatch patch</u> D - <u>Animal Observer badge</u> J - <u>Animal Habitats badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>
46	United Airlines	Take flight with United Airlines and meet women with careers in aviation.	All Levels - <u>Space Science badge</u>

Booth	Partner Name	Activity Description	Badge Connections
47	Dreams of a Scientist	Combine science, art, and storytelling through fun activities.	All levels - <u>STEM Career Exploration badge</u>
48	Talk about Trees	Explore the Oregon forest and identify various types of trees.	C - <u>Trees badge</u>
49	Oregon State Public Health Laboratory	Experience what it's like to be in a lab and learn about STEM in public health.	All levels - <u>STEM Career Exploration badge</u>
50	Marion County Master Gardener Association	Explore gardening and the power of pollinators.	D- <u>Animal Observer badge</u> B - <u>Bugs badge</u> J - <u>Animal Habitats badge</u> J - <u>Gardener badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>
51	Oregon State University Marine and Geology Repository	Rocks rock!	C, S, A - <u>Outdoor Career Exploration patch</u>
52	American Red Cross	Prepare for and practice responding to a natural disaster.	B, J, C, S, A - <u>First Aid badge</u>
53	Society of Women Engineers	Explore STEM with the Society of Women Engineers.	D, B, J - <u>Mechanical Engineering badge</u>
54	Girl Scouts of Oregon and Southwest Washington Fund Development	Learn about needs versus wants and the importance of budgeting.	All levels - <u>Budget badge</u>

Booth	Partner Name	Activity Description	Badge Connections
55	Girl Scouts of Oregon and Southwest Washington STEM Club	Join the Girl Scout STEM Club for hands-on STEM activities and meet their robot Sphero.	All levels - <u>Robotics badge</u>
56	Girl Scouts of Oregon and Southwest Washington Service Unit 28	Participate in fun, hands-on STEM activities led by local Girl Scout volunteers.	B - <u>Home Scientist badge</u>
57	Oregon State University College of Engineering	Explore engineering with hands-on activities.	D, B, J - <u>Mechanical Engineering badge</u>
58	Edward Jones	Try a fun, interactive activity and learn about financial literacy.	All levels - <u>Budget badge</u>
59	Oregon Building Officials Association	Learn about building inspection and common things that will not pass.	All levels - <u>The House That She Built patch (purchase the patch online)</u>
60	Portland State University Agile and Adaptive Robotics Lab	Learn about bio-inspired robotics.	All levels - <u>Robotics badge</u>
61	Oregon Department of Fish and Wildlife - Avian	Meet biologists who help protect birds.	All levels - <u>Seeking Sasquatch patch</u> D - <u>Animal Observer badge</u> J - <u>Animal Habitats badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>

Booth	Partner Name	Activity Description	Badge Connections
62	Girls Rising In Tech (GRIT)	Participate in fun hands-on activities to learn about cybersecurity.	All levels - <u>Cybersecurity badge</u>
63	Oregon Coast Aquarium	Learn about the scientific method and gather data.	All levels - <u>Seeking Sasquatch patch</u> D - <u>Animal Observer badge</u> J - <u>Animal Habitats badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>
64	Oregon Department of Fish and Wildlife Aquatic Invasive Species	Perform mock boat inspections as you learn about the impacts of aquatic invasive species.	All levels - <u>Seeking Sasquatch patch</u> D - <u>Animal Observer badge</u> J - <u>Animal Habitats badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>
65	Chintimini Wildlife Center	Get hands-on with some local critters and learn about wildlife rehabilitation.	All levels - <u>Seeking Sasquatch patch</u> D - <u>Animal Observer badge</u> J - <u>Animal Habitats badge</u> C, S, A - <u>Outdoor Career Exploration</u>

Booth	Partner Name	Activity Description	Badge Connections
			<u>patch</u>
68	DoveLewis Emergency Animal Hospital	Learn about pet first aid and careers that help pets.	D - <u>Animal Observer badge</u> B - <u>Pets badge</u>
69	Girl Scouts of Oregon and Southwest Washington Astronomy Club	Explore space and the moon.	All levels - <u>Space Science badge</u>
70	Oregon State University College of Agricultural Sciences	Discover careers in agricultural science with hands-on activities.	J - <u>Gardener badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>
71	Marion County Sheriff's Search and Rescue	Explore search and rescue gear, ropes, and a pulley system.	B, J, C, S, A - <u>First Aid badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>
72	Dental Hygiene	Discover the science behind caring for your teeth.	All levels - <u>STEM Career Exploration badge</u>
73	Evergreen Aviation and Space Museum	Explore flight and space.	All levels - <u>Space Science badge</u> D, B, J - <u>Mechanical Engineering badge</u>
74	Hiss & Hers	Meet some snakes as you explore the science of reptiles.	D - <u>Animal Observer badge</u> B - <u>Pets badge</u>

Booth	Partner Name	Activity Description	Badge Connections
			J - <u>Animal Habitats badge</u>
75	Oregon State University College of Forestry	Explore forestry and the many wood products it produces.	C - <u>Woodworker badge</u> C - <u>Trees badge</u> C, S, A - <u>Outdoor Career Exploration patch</u>
76	Girl Scouts of Oregon and Southwest Washington Community Engagement Booth	Try a fun STEM activity and learn how to become a Girl Scout or learn how to be a Rocket Recruiter!	All ages - <u>Rocket Recruiter patch</u>
77	Spicy Pedals	Explore bicycle repair and try your hand at removing and reinstalling tires.	All levels - <u>STEM Career Exploration badge</u>
78	The Oregon Garden	Learn about compost and create a compost craft using recycled materials.	D - <u>Animal Observer badge</u> B - <u>Bugs badge</u> J - <u>Animal Habitats badge</u> J - <u>Gardener badge</u>
79	Girls Empowerment Science & Outreach	Explore biology with a fun, hands-on activity.	All levels - <u>STEM Career Exploration badge</u>
80	Rice Northwest Museum of Rocks and Minerals	Learn about geology with rocks, geodes, and thunder eggs.	All levels - <u>STEM Career Exploration badge</u>

Booth	Partner Name	Activity Description	Badge Connections
81	Girl Scouts of Oregon and Southwest Washington Shop	Full of exciting STEM items and select Girl Scout badges and patches for sale.	All levels - Select patches & badges on sale. B - <u>My Own Budget badge</u>

Please note: STEM Day booths are subject to change. If a booth number is missing, it means that the Program Partner is no longer able to attend and has been removed from the list and map.