



Family Events - STEAM Month - November 2023



			1	2	3 Stargazing Night 7:00-10:00 pm Charlestown	4
5	6	7	8 National STEM Day	9	10 Stargazing Night 7:00-10:00 pm Charlestown	11 Leaf Creatures/ Tree Pop Up Museum 2:00-3:30 pm Providence
12	13 Veterans Day Free Family STEM Exploration 10:00am-4:00pm Mobilequest Cranston	14	15	16	17 Stargazing Night 7:00-10:00 pm Charlestown	18 STEAM Fun @ Museum of Natural History 10:00am-4:00 pm Providence Tour of RI Resource Recovery Facility 9:30-11:00 am Johnston
19 STEAM Fun @ Museum of Natural History 10:00am-4:00 pm Providence	20	21	22	23 Thanksgiving 	24 BlocksCAD & Augmented Reality 5:00-7:00 pm Warwick Stargazing Night 7:00-10:00 pm Charlestown	25 BlocksCAD & Augmented Reality 10:00am-12:00pm North Kingstown
26	27 Intro to Salt Marsh Drawing 7:00-8:00 pm Virtual	28	29	30	 Rhode Island Energy™ <small>a PPL company</small> RI STEAM Month Sponsor	



STEAM Month Family Event Information

<p>Stargazing Nights</p> <p>Fridays, November 3, 10, 17, 24 7:00 pm- 10:00 pm</p> <p>Frosty Drew Observatory & Science Center 62 Park Lane, Charlestown, RI 02813</p> <p>Point of Contact: macneill.scott@frostydrew.org</p>	<p>We will open our Observatory, Science Center, Sky Theatre, and telescopes to the skies and offer free stargazing and astronomy to anybody interested in observing with us. Our large 24 inch telescope will show the rings of Saturn, the Galilean Moons of Jupiter, the Andromeda Galaxy, nebulae, and star clusters. Learn about astrophysical sciences, astronomical research, and astrophotography. If you're looking for that awesome all-ages STEAM thing to do, come experience the cosmos under the darkest skies in Rhode Island, then this is your chance.</p> <p><u>Preregistration</u> is required. It is free to register, but a donation of \$5 per person is greatly appreciated. The capacity of the event is 250 visitors.</p>
<p>Leaf Creatures/Tree Pop Up Museum</p> <p>Saturday, November 11 2:00 pm - 3:30 pm</p> <p>Blackstone Field, across from the Narragansett Boat Club (2 River Drive) in Providence</p> <p>Point of Contact: Melissa Guillet at 15minutefieldtrips@gmail.com</p>	<p>All ages: Take a magical journey collecting leaves and identifying broadleaf trees and their role in mitigating climate change! Make leaf rubbings and leaf creatures and have great outdoor fun! Pop up museum explores biodiversity, conservation, and climate change.</p> <p>Free! We'll also be collecting nonperishable food for the RI Food Bank.</p> <p><u>Registration</u> is strongly recommended.</p>
<p>Free Family STEM Exploration</p> <p>Monday, November 13 (holiday) 10:00 am - 4:00 pm</p> <p>MobileQuest STEM Center 845 Oaklawn Ave Cranston RI 02920</p> <p>Point of Contact: Brian@mobilequestadventures.com</p>	<p>90 minutes of STEM fun includes coding robots, 3D printing, green screen fun and so much more! Adult supervision is required. You are welcome to come in anytime from 10:00 -4:00 for free STEM Exploration</p> <p><u>Socks required for robot arena.</u></p> <p>This a free event for Rhode Island STEAM Month (no registration required).</p> <p>Website: www.mobilequestadventures.com</p>
<p>STEAM Family Fun Weekend</p> <p>Saturday, November 18 and Sunday, November 19 10:00 am - 4:00 pm each day</p> <p>Museum of Natural History and Planetarium Roger Williams Park 1000 Elmwood Ave Providence RI 02907</p> <p>Point of Contact: rgamba@providenceri.gov</p>	<p>Celebrate STEAM Month with hands-on activities around the Roger Williams Park Museum of Natural History and Planetarium, exploring science, technology, engineering, art and math. Make a bridge, explore gravity, discover the James Webb Space Telescope, complete a special quest, and more!</p> <p>Museum admission only is \$2 for ages 4 and up (under 3 free) or Museum admission plus Planetarium show is \$5- children must be age 4 and older to see a planetarium show.</p> <p>Planetarium tickets must be purchased online: <u>Tickets for show at 2 pm on Saturday 11/18</u> <u>Tickets for show on 2 pm on Sunday 11/19</u></p>



<p>Full Facility Tour of RI Resource Recovery</p> <p>Saturday, November 18 9:30 am - 11:00 am</p> <p>RI Resource Recovery Corporation 65 Shun Pike, Johnston RI</p> <p>Point of Contact: MBurke@rirrc.org</p>	<p>During this 90-minute tour, attendees will travel around our facility and see what happens to their stuff when it leaves the curb. Participants will see our our Materials Recycling Facility (MRF) for mixed recyclables, drop-off center, Eco-Depot for household hazardous waste, leaf & yard composting site, and go to the very top of RI's Central Landfill. Children can also explore our education center.</p> <p>This is an opportunity to see a real world application of STEAM based learning. Best for ages 2+. We look forward to your visit!</p> <p>MaxBus tours are free, 90-minute tours consisting of a driving tour of the facility followed by a recycling presentation. Guests board a tour bus once on site. Tour capacity is 46 participants.</p> <p>Preregistration is required. To register for the event, please register here for the November 18, 2023 "MaxBus Tour"</p>
<p>BlocksCAD and Augmented Reality</p> <p>Friday, November 24 5:00 pm - 7:00 pm RI Computer Museum 1755 Bald Hill Road, Warwick OR Saturday, November 25 10:00 am - 12:00 pm RI Computer Museum 76 Main Street, North Kingstown</p> <p>Point of Contact: jenpiehler@ricomputermuseum.org</p>	<p>See how the seemingly impossible is achieved with BlocksCAD, a software that combines 3D modeling and block-based coding. Explore basic computer-aided design (CAD) principles and learn the foundations of coding to create digital files and transform them into real objects! You will manipulate simple geometric shapes in a three-dimensional environment to make lots of amazing projects. Then we can take your 3D Design and explore augmented reality. Create a fun scavenger hunt as we take your 3D designed object and place it in the world virtually.</p> <p>Recommended age 8 and up, younger than 8 with parental assistance.</p> <p>Free to participate</p>
<p>Introduction to Salt Marsh Nature Drawing</p> <p>Monday, November 27 7:00 pm - 8:00 pm The Empowerment Factory Virtual Event</p> <p>Point of Contact howdy@empowermentfactory.org</p>	<p>As we select and draw one animal found in the salt marsh, together we will explore how its physical adaptations function to support its survival, growth, behavior and reproduction. We will examine its place in the food web of the salt marsh environment. And, finally, we will discuss how the animal and its habitat has been affected by human activities - agriculture, land development, and everyday life choices - as well as what individuals and communities are doing to protect salt marsh resources and environments.</p> <p>Students from the Rhode Island School of Design will lead the drawing instruction. Each salt marsh animal is a character in the greater salt marsh story, and we will provide ideas for how to use the artwork to share this story, help raise environmental awareness and inspire positive action.</p> <p>All ages are welcome to participate in this free class, however, preregistration required to access the Zoom session and please obtain needed course materials- pencil, paper, eraser, reusable bottle lids, etc.</p>