

Sample Activities Aligned to NGSS

Recycled Boats— Students will be provided recycled materials and asked to create a “boat” that floats using three or more different materials
NGSS 3-5-ETS 1-1; 3-5-ETS 1-2

Learn to Solder—Students will learn the basics of soldering by completing a soldering skill badge.
NGSS MS-PS 1-4, MS-PS-3

Magazine Art—Students will be tasked with designing art by repurposing old magazines.
NGSS 4-PS3-2; K-ESS3-3

Bird Houses or Feeders—Students will make bird feeders or bird houses using repurposed materials.
NGSS K-ESS3-3; K-ETS 1-2; 3-LS4-4

Science and Engineering Practices:
Asking Questions and Defining Problems;
Developing and Using Models;
Constructing Explanations and Designing Solutions

Crosscutting Concepts: Cause and Effect;
Systems and System Models; Structure and Function



Cost & Details

- \$250 Per Classroom
(25 students, 2 Chaperones, and 1 Teacher)
- All activities & materials included with fee
- Lunch on your own. Pack or buy at concession stand

Registration Information

- Register and reserve a classroom at nyscate.org
- Space is limited and on a first come basis.
- Please email us at nyscateinfo@gmail.com with any questions regarding registration, payment, schedule, home school, or students with special needs.
- Please use the Subject Heading: Student STEAM FEST for email correspondence

Maker Faire Rochester Info

- Web: rochester.makerfaire.com
- Twitter/Instagram: @MakerFaireRoc
- Facebook: /MakerFaireRochester

NYSCATE Contact Information

NYSCATE
8 Airport Park Boulevard
Latham, NY 12110

(800) 479-4830 (Phone)
(518) 786-3983 (Fax)
E-mail: nyscateinfo@gmail.com
Web: nyscate.org

Maker Faire® Rochester

The Greatest Show and Tell on Earth

And NYSCATE present:



Friday November 16, 2018

9 AM to 2:30 PM

Rochester Riverside
Convention Center





Student STEAM Fest

Join us for Maker Faire Rochester's Inaugural Student STEAM Fest. It's a special sneak peak of Maker Faire Rochester filled with hands-on activities, engaging demonstrations, wonder, excitement centered around S.T.E.A.M and every aspect of the Maker Movement.

Strands Aligned to the Standards

- ROBOTICS AND DRONES
- THINK, DESIGN, CREATE
- SUSTAINABILITY
- THE ARTS
- HANDS ON SCIENCE
- CULINARY
- CODING AND THINGS THAT GO BLINK
- DIY

For strand descriptions and standard alignment go to tinyurl.com/StudentSTEAMFest18

Keynote Speaker

Jason Latimer

“Curator of Impossible Science World champion magician Jason Latimer is the curator of the iconic Fleet Science Center in San Diego, CA.

Latimer uses wonder as an academic tool in Science, Technology, Engineering and Mathematics. By combining magic and science, Jason's live shows, labs, festivals, digital series, and TV appearances are inspiring others to be curious and see beyond their answers.”

<http://www.jasonlatimer.com/>



Maker Faire Learning Objectives

- Meet, interact, and converse with individual Makers, who are sharing their unique passions
- Become exposed to the wide breadth of art, science, engineering, history, and interdisciplinary subject areas that all involve making
- Engage in hands-on workshops and activities, resulting in a project to take home
- Collaborate on a large community project and share experiences with other attendees
- Become exposed to, and feel welcomed and supported in, the Maker community
- Be inspired with at least one new idea to try at home or in school

