



NISE  
NETWORK

ONLINE  
WORKSHOPS

## Bust out that Chemistry kit for National Chemistry Week 2021 - Fast or Slow...Chemistry Makes It Go!

Online Workshop Summary of Resources  
09-14-2021

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### Online Workshop Presenters

- Patricia Galvan, American Chemical Society (ACS)
- Rebecca Reed, Fort Worth Museum of Science and History
- Emily Hostetler, Museum of Science Boston (MOS)
- Kate Anderson, Beyond Benign

### Recording of the Online Workshop on Vimeo

- <https://vimeo.com/610049477>

### Online Workshop Links and Resources

#### NISE Network Resources

- Compilation of National Chemistry Week event host resources and activities related to this year's theme: <https://www.nisenet.org/ncw>
- Related NISE Network resources:
  - Explore Science: Let's Do Chemistry kit:
    - <https://www.nisenet.org/chemistry-kit>
    - Training videos: <https://vimeo.com/showcase/5409904>
  - Let's Do Chemistry Train-the-Trainer Workshop Resources:
    - <https://www.nisenet.org/chemistry-train-the-trainer>
    - Videos: <https://vimeo.com/showcase/7987447>
- Links to helpful info on activity adaptation and virtual programming:
  - COVID resources page: <https://www.nisenet.org/coronavirus>
  - Vaccines resources page: <https://www.nisenet.org/vaccine>
- NISE Network Collaborations Guide: <https://www.nisenet.org/collaboration-guide>

#### Additional resources for community events

- ACS resources for National Chemistry Week: <https://www.acs.org/ncw>
- "Fast or Slow...Chemistry Makes It Go!" themed educational resources from ACS: <https://www.acs.org/content/acs/en/education/outreach/ncw/educational-resources.html>
- ACS National Chemistry Week Coordinator Lookup: <https://www.ncwlookup.acs.org>
- ACS local sections: [https://lslookup.acs.org/lslookup/local\\_search](https://lslookup.acs.org/lslookup/local_search)
- Finding an ACS student chapter or chemistry club in your area here: <https://www.acs.org/content/acs/en/education/students/college/studentaffiliates/find-a-chapter.html>
- For a personal introduction to contacts in your area, email ACS: [outreach@acs.org](mailto:outreach@acs.org)

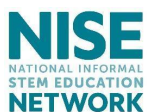
- Video of ACS sample event with COVID considerations in place: <https://www.acs.org/kidszone>
- MOS Chemistry Week: <https://www.mos.org/chemistry-week>
- MOS YouTube Channel for National Chemistry Week video programming: [https://www.youtube.com/watch?v=8BawlpJT12w&list=PLxeUBLGfcIB\\_PjV2HTHHKtimQxsc-dX2n](https://www.youtube.com/watch?v=8BawlpJT12w&list=PLxeUBLGfcIB_PjV2HTHHKtimQxsc-dX2n)
- Beyond Benign events page: <https://www.beyondbenign.org/>
- Beyond Benign virtual resources: <https://www.beyondbenign.org/news-virtual-resources/>
- Beyond Benign curriculum enrichment resources: [https://www.beyondbenign.org/curriculum\\_topic/ms-enrichment-resources/](https://www.beyondbenign.org/curriculum_topic/ms-enrichment-resources/)
- Beyond Benign Connecting Chemistry and Invention video: <https://youtu.be/C3D-v3xhxdx>

### Additional resources from the workshop chat on 9-14-21

- Green Chemistry JV InvenTeams Activity Guide: <https://www.beyondbenign.org/curr-green-chemistry-jv-inventeams-activity-guide/>
- Teacher Lesson plan for Vitamin C Clock Reaction: <https://www.beyondbenign.org/lessons/greening-clock-reaction/>
- “Choose that Catalyst,” a play written by Holly Walter Kerby, a chemist, educator, and playwright with Fusion Science Theater; to connect: <https://storyformscience.com/fst>
- Working with glow-sticks outdoors in daylight (Emily): I built a dark box out of cardboard and black duct tape once - sort of clunky but gets the job done in brighter areas!
- Reaching out to the chemistry club coordinator at every college in your area will build up volunteers fast. Often the clubs will use NCW as a recruiting tool since it is a fun event.
- More Reaction rate demo suggestions:
  - Alex Madonik, ACS California Section: We are using the Iodine Clock Reaction as a good example of reaction rate change.
  - Patti Galvan, ACS: I love using self-inflating balloons with very young audiences. They contain a pouch of citric acid and loose baking soda inside. Kids stomp to break the packet and then both hear and feel the chemical reaction. The self-inflating balloons can be found in dollar stores and work with preschool kids.
    - David Sittenfeld: We did that with different concentrations and had a race
  - Calvin Uzelmeier: Using DL-cysteine with the typical luminol demo recipe makes for a nice hands-on investigation of reaction rates because the DL-cysteine acts as an inhibitor. H<sub>2</sub>/O<sub>2</sub> foam is also an exciting demo to get at fuel cell science.

### Staying Connected to the NISE Network

- Upcoming NISE Net online workshops: <https://www.nisenet.org/events>
- Subscribe to the monthly newsletter: <https://www.nisenet.org/newsletter>
- Follow #nisenet on social networking: <https://www.nisenet.org/social>
- Getting started with the NISE Network: <https://www.nisenet.org/gettingstarted>
- Contact your Regional Hub Leader with questions: <https://www.nisenet.org/contact>



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