



Opportunities for Connecticut Fall/Winter 2017

Open Access to JASON Resources for Public School Educators & Students in Connecticut Through 2018 – Includes New NGSS Curriculum *World of Waves!*

Register at www.jason.org/ct using your school email address for free access to JASON's award-winning curriculum. JASON Learning is a nonprofit whose mission is to inspire and educate students everywhere through real science and exploration. JASON offers hands-on labs, digital simulations and games, articles, videos, interdisciplinary connections, and powerful classroom management tool for teachers. Explore earth science, forces & motion, energy, climate, recycling, ecology, environmental science, oceanography, weather, wetlands and more. Also visit our NGSS page: <http://www.jason.org/ngss> for guidance on what resources best support NGSS and lesson planning and classroom tools. Watch the World of Waves Promo video here at <https://drive.google.com/file/d/0Bz8yoOUPBg9xZFFuaHdyczRwSXM/view>

NEW! Getting ready to or already designing your NGSS units of instruction? We Can Help.

JASON Learning Professional Development NGSS Series 2017-18: Resources and Tools for an NGSS Curriculum & Problems of Practice

These two-part workshops will help educators build capacity to implement NGSS pedagogy, be introduced to resources, tools, and strategies that can be included in NGSS units of instruction, and pilot lessons and activities with opportunities to ask new questions, share out challenges,

successes, and recommendations with a network of peers. Although selected investigations and resources from specific JASON curricula will be used to illustrate strategies and pedagogy, ideas and tools will be transferrable to other resources educators may be working with. JASON Learning is an independent, non-profit organization dedicated to inspiring and educating students everywhere through real science and exploration. JASON's award-winning educational resources are currently free for all public schools in CT through the CT Department of Economic and Community Development (DECD). Lessons are routed in real-world application & phenomena, and address three dimensional teaching and learning. Learn how to take full advantage of the free resources, tools, and/or strategies that can be included in NGSS units of instruction.

Engineering Design (*with connections to earth, life, and physical sciences*)

Audience (Grades 6-12)

Dates: (must attend both days)

Part 1 December 8, 2017

Part 2 February 9, 2018

Time: 8:30am – 3:00pm

Location: David Wooster Middle School, 150 Lincoln Street Stratford, CT 06614

Register:

<https://www.eventbrite.com/e/resources-and-tools-for-an-ngss-classroom-engineering-design-registration-39460756184>

A Framework for K-12 Science Education challenges us to deeply integrate engineering design into all disciplines at every level. What do the NGSS really say when it comes to engineering and design and what are the “big ideas” students should be working on? The focus of this workshop is to build understanding and share strategies to integrate engineering design as presented in NGSS and in the Frameworks. Through hands-on experiences with JASON resources, participants will journey through the process of defining and delimiting engineering problems, how models can be used to develop and refine possible solutions, and using methods that may help to optimize a design. Though concrete examples are explored from the physical and earth sciences, the emphasis is on the tools and strategies to be applied with any content, and in any discipline. Participants will walk away with concrete tools and strategies to test out in the classroom. During part 2, participants will have opportunities to share experiences, challenges, recommended modifications, and ideas for further NGSS unit development.

Physical Science (Energy, Motion & Stability/Forces & Interactions, and Waves)

Audience (Grades 6-10)

Dates: (must attend both days)

Part 1 December 13, 2017 (December 15 snow date)

Part 2 February 21, 2017 (February 22 snow date)

Time: 9:00am – 3:30pm

Location: Eastconn, Conference Center, 376 Hartford Turnpike, Hampton, 06247

Register:

<https://www.eventbrite.com/e/resources-and-tools-for-an-ngss-classroom-energy-motion-stability-forces-interactions-waves-registration-39290381589>

Explore lessons and resources from JASON's Infinite Potential (energy) and Terminal Velocity (forces & motion) through hands-on investigations, small and large group discussions, and interactions with digital labs and simulations. This program will include strategies and opportunities to connect to other disciplines, map out possible PE bundles, and envision storylines.

Earth Science and Life Science coming soon! Check back at www.jason.org/ct for details.

JASON Basics - One Hour Live Webinars for Connecticut Choose one:

Register at www.jason.org/ct

Thursday, November 9, 2017

Wednesday, January 10, 2018

Tuesday, March 6, 2018

Are you unsure of how to take full advantage of the free resources provided by JASON Learning? We understand the challenges of learning and implementing new lessons, especially when time is a limiting factor. Come join us for a one hour *live* webinar, customized for educators and administrators in Connecticut to walk-through the “basics” of the JASON site navigation, key teacher tools, and tips on how to find what you’re looking for to support instruction. This includes a 10-15 Q & A so educators can get the help they need to get started or continue using these resources.

[2018 Recycling Video & Poster Contest - Bigger Than the Bin!](#)

Submit by December 15th.

<http://www.jason.org/recycling-contest>

Calling all artists, filmmakers, and recyclers in grades K–12! Most of the recycling we see today happens in the blue bin in your house once a week. But what about those

things that are “bigger than the bin”? All around us there are items that will not fit into that bin. Everything from bicycles to skyscrapers can potentially be recycled . . . but how? Your challenge is to choose an item that is “bigger than the bin” and describe how to recycle it! Check out Jacob Folwell’s winning entry from 2017 for some inspiration:

[https://www.wevideo.com/view/888153173!](https://www.wevideo.com/view/888153173)

Contact Amy O’Neal at amy@jason.org or 860-885-4688 with questions about JASON opportunities in CT.

Amy O’Neal
Director of Education and Professional Development
JASON Learning
860.885.4688
www.jason.org

Inspiring and educating kids everywhere through real science and exploration.

