The TWO DAY Conference will include opportunities to attend four workshops and to participate in “Chemistry Camp”, a discussion of the real challenges that you are experiencing at your school. Field Trips are also planned.

Keynote Speaker: Sam Kean, The NY Times best-selling author
Middlesex School, Concord, MA

The Rachel Carson Music and Campus Center

The Danoff Recital Hall: A lecture hall for up to 150 persons. This room is also equipped to record both video and audio. There is a lectern on the main stage area. The Music Director, Dr. Wetzel, kindly asks that we not bring food into his brand new music hall.

The Winter Garden:
Open Foyer space, grand stairway leads to gender-neutral restrooms downstairs.
View of The Winter Garden from the Main Entrance. Stairway and Room RC111A are behind the brick stack in the first photo, visible in the second.

Restrooms: Located on the lower level, they are accessible from the Winter Garden and the lower level of the Danoff Recital Hall.

Room RC111A: Small, meeting space off the Winter Garden

Rooms RC115, 116, 117, 118: Classrooms for groups up to 20 persons, SMARTboard, projector.

Room 118, views are from the door and from the back of the room looking forward.

View down the hallway to the classrooms. Room 118 is on the left and Rooms 115, 116 and 117 are on the right.

The William and Lavinia Clay Science Center

Rooms CS12, 13, 21 & 22: Science Classrooms with 7 Lab stations (with computer and printer) and sinks.
Astronomy Desk and Observatory: Accessible via Elevator from the main Rotunda

Ware Dining Hall Foyer, reception area, gender-neutral bathrooms on the main floor. Full dining hall upstairs, elevator access available.
Participant Information

For clarification or more information contact: Kathy Siok (kathys5@cox.net)

*The Full Conference Fee includes: registration, program/sessions, workshops, contact hours, handouts, lunch, breaks, and evening dinner & speaker.*

*Please refer to the registration form online to review all the options for attending this conference and the fees involved.*

*Checks should be mailed to: Kathy Siok, 86 Spring Road, North Kingstown, RI 02852.*

*Purchase Orders* are accepted from school districts.

*CEUs or Professional Development Hours* are offered for teachers from Connecticut, Massachusetts and Rhode Island. *Certificates of attendance and Payment information* are available upon request.

*Scholarships* are available for conference registration expenses only. Accommodations, travel and supplies are not included.

**Bring your Own Laptops:** A number of the workshops and sessions will involve using the internet and you are asked to bring your tablet or laptop.

*WiFi* via Guest Connect network is available with no password required.

*Bring copies of Sam Kean's books with you as very few will be available for sale at the conference.*

*Sign-up for Workshops* will be a first-come, first served basis at Registration. Most offerings will be limited to 20 people, due to the size of the rooms.

*Detailed descriptions and sign up for field trips* will be available at registration. Transportation will be by private vehicle.

*A Swap Table* will be set up for sharing items that you bring. Note that the space is limited. *Please contact Kathy Siok (kathys5@cox.net) if you are interested. Please note that you will be asked to remove any leftover materials that you bring.*

*Accommodations are available at your own expense.* A block of rooms has been reserved at the Westford Regency Hotel 219 Littleton Road, Westford, MA 01886.

The last day to secure reservations at the special group rate is 7/26.

*Please click here to reserve your overnight accommodations at the Westford Regency for the New England Association of Chemistry Teachers.* You may also call the hotel at 978-692-8200 and mention the NEACT block of rooms.

*Other hotels in the area include:* **Concord Colonial Inn** (historic hotel), **Marriott Residence Inn** in Westford and **Best Western** in Concord.
NEACT wishes to express much gratitude to all the individuals who have made this conference possible.

Charles Mc Donald and the Middlesex School

NEACT Executive Committee and Conference Committee

The Scholarships

New England Section of the ACS (NESACS)
Newell Scholarships

Rhode Island Section of the ACS (RIACS)

The Ken Brody Memorial Scholarship
(formerly The Centennial Scholarship)

The National Science Teachers Association district representative, Carolyn Higgins

Carney, Sandoe & Associates for their sponsorship www.carneysandoe.com
See back page for more information.

All the presenters and attendees to this annual event!
**NEACT 2018 Summer Conference**  
**August 17 & 18**  
**Middlesex School**

**Friday, August 17th**  
*Minor changes may be made to this schedule prior to the conference*

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Registration - Coffee &amp; Light Breakfast</td>
<td>The Winter Garden</td>
</tr>
</tbody>
</table>
| 8:30       | Welcome Barbara Lamont, NEACT President  
*Introduction to the 2018 NEACT Conference* | Danoff Recital Hall |
|            | *(Please note that no beverages or food are allowed in the Danoff Recital Hall)* |                    |

**9:00 - 10:30 Workshops**  
*(Limit of 20 Participants at each workshop)*

<table>
<thead>
<tr>
<th>Name</th>
<th>School</th>
<th>Topic</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Susan Klemmer</td>
<td>Camden Hills Regional High School, ME</td>
<td>The Silent Classroom: Promoting open productive discussion in chemistry classrooms</td>
<td>RC118</td>
</tr>
<tr>
<td>Mary Madden &amp; Cary Kilner</td>
<td></td>
<td>Mathematics in Chemistry</td>
<td>RC115</td>
</tr>
<tr>
<td>Dan Damelin</td>
<td>Concord Consortium, MA</td>
<td>Making possible student designed computational system models (SageModeler)</td>
<td>RC116</td>
</tr>
<tr>
<td>Sharon Geyer</td>
<td>Woodstock Academy, CT</td>
<td>Teaching Chemistry Concepts with Card Sorting</td>
<td>RC117</td>
</tr>
</tbody>
</table>

**10:45 - 12:30 Workshops**

<table>
<thead>
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<th>Name</th>
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<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sue Klemmer</td>
<td>Camden Hills Regional High School, ME</td>
<td>Presentation: Adventures in Steam Distillations</td>
<td>RC 118</td>
</tr>
<tr>
<td>Megan Shokri</td>
<td>Billerica High School, MA</td>
<td>Using Modeling Activities to Facilitate Learning in Chemistry</td>
<td>RC 117</td>
</tr>
<tr>
<td>Chris Koutros &amp; Nancy Curtin</td>
<td>Oliver Ames High School, MA</td>
<td>Addressing Misconceptions and Building Chemical Skills</td>
<td>RC 115</td>
</tr>
<tr>
<td>Ariel Serkin</td>
<td>STEM Teachers MassBay/ Norfolk Agricultural H S</td>
<td>Law of Conservation of Mass: How to Teach science practices through content</td>
<td>RC 116</td>
</tr>
</tbody>
</table>

**12:30 - 1:30**  
**Lunch**  
*Location: The Winter Garden*

*Note: Coffee & Water will be available all Day in this location  
Courtesy of Carney Sandoe & Associates*

*Tours of Campus Available @ 1PM (Approximately 20 minutes)*
<table>
<thead>
<tr>
<th>Time</th>
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</table>
| 1:30   | Carney, Sandoe & Associates LeeAnn Parker & Todd Gochman  
Navigating the Search for a Science Teaching position; Sharing of Best Practices.  
*Location: RC 118* |                                                                      |
| 2:00   | Optional Field Trip:  
*Tour of the state of the art South Acton Water Treatment Plant. MA*                          |                                                                      |
| 2:00   | Introduction to “Challenges of Teaching Chemistry” Sharon Geyer  
*Location: Danoff Recital Hall*                                           |                                                                      |
| 2:30   | Break up into interest groups  
*Various Locations RC 115, 116, 117, 118*                           |                                                                      |
| 4:00   | Sharing: Report back to large group  
Discussion of Next Steps  
*Location: Danoff Recital Hall*                                          |                                                                      |
| 5:15   | Group Photo  
*Location TBD*                                                       |                                                                      |
| 5:30   | Reception  
*Location: Ware Dining Hall*                                        |                                                                      |
| 6:00   | Buffet Dinner  
*Location: Ware Dining Hall*                                       |                                                                      |
| 7:15   | Main Speaker: Sam Kean  
*Location: Danoff Recital Hall*                                          |                                                                      |
|        | **Book signing**- Participants are urged to bring copies of Sam’s books for signing.  
There will only be a few copies available at the event.             |                                                                      |
| 9:00   | Program at the **Middlesex Observatory** on Campus (18” Reflecting Telescope)  
*Location: Astronomy Desk and Observatory*                             |                                                                      |
## NEACT 2018 Summer Conference
**August 17 & 18**  
**Middlesex School**  
**Saturday, August 18th**

<table>
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<tbody>
<tr>
<td>8:00 AM</td>
<td>Coffee &amp; Light Breakfast</td>
<td>Location: The Winter Garden</td>
</tr>
<tr>
<td>8:45 AM</td>
<td>Annual Meeting</td>
<td>Location: Danoff Recital Hall</td>
</tr>
<tr>
<td></td>
<td>(no beverages or food allowed)</td>
<td></td>
</tr>
<tr>
<td>9:15 - 10:45</td>
<td>Workshops (Limit of 20 Participants at each workshop)</td>
<td></td>
</tr>
</tbody>
</table>
| Cheryl Lavoie | UNH  
A Visual Method for Teaching the Metric System | Location: RC115                   |
| Charles McDonald | Middlesex School  
Technology Tools for Collaborating with your Students | Location: RC116                  |
| Jerusha Vogel | Greenwich High School, CT  
Solution Chemistry - NGSS | Location: CS12                     |
| Stephen Couture | UMASS Boston  
Epistemic Games and Problem Solving in Chemistry | Location: RC118                  |
| 10:45 - 11:00 | Discussion Break                           |                                    |
| 11:00 - 12:30 | Workshops                                 |                                    |
| Esther Hines | Billerica High School, MA  
Intermolecular Interactions Laboratory Experiments | Location: CS12                  |
| Sharon Geyer | Woodstock Academy, CT  
Teaching Chemistry Concepts with Card Sorting | Location: RC117                  |
| Chris Koutros | Oliver Ames High School  
Streamlining Teaching Using Technology | Location: RC118                  |
| 12:30 - 1:30 | Lunch                                     | Location: The Winter Garden        |
Session Descriptions

Friday, August 17
9 - 10:30 AM

Susan Klemmer  
Camden Hills Regional High School, ME
"The Silent Classroom: Promoting Open Productive Discussion in Chemistry Classrooms"

Most of us have experienced asking what we think is an encouraging open question to a class only to be met with an uncomfortable silence. Some of us have experienced classes for which any attempt at discussion is met with silence. In this session I will briefly share what I've learned about some of the reasons why this happens, then spend the bulk of our time sharing some methods I've been using to reduce and/or prevent this challenging and frustrating dynamic. We'll discuss and practice "productive talk moves" from the Maine Research in Science Education (RiSE) Center and "chalk talks", and look at the difference between putting work on a whiteboard and having an AMTA "(white)board meeting". Depending on the group's interests and available time, we may explore other techniques.

Sue Klemmer has been teaching since 1979 and has been teaching chemistry and physics in Maine since 1990. She has a BA in Chemistry from Wesleyan University and has done graduate work in chemistry at Carnegie-Mellon University and in science education at the University of Maine. She is the chair of the northern division of NEACT. Her special interests are the use of the history of chemistry in teaching core concepts and scientific practices, particulate modeling, and science literacy.

Mary C. Madden  
Quinebaug Valley Community College (ret.)
Dr. W. Cary Kilner  
University of New Hampshire (ret)

Challenges to Teaching Chemistry: “Mathematics in Undergraduates Chemistry”
Challenges to Teaching Chemistry: Review from the Fall ConfChem,
https://confchem.ccce.divched.org/2017FallConfChem

An online conference relating to mathematics in chemistry courses, sponsored by the ACS Division of Chemical Education, took place from October 23 – November 27, 2017. It featured eight papers, each with a specific math focus relevant to effective chemistry learning.
The topics:
- Estimation – An Empowering Skill for Students
- Must-Know – Math Preparation Study (Texas)
- Impact of Quick Review of Math Concepts
- Strengthening Math Fluency through Calculator-Free Chemistry
- Building Student Confidence with Chemistry Computation
- The Chem-Math Project
- Applied Mathematics for Chemistry Majors
- Addressing Math Deficits with Cognitive Science

In this NEACT session, participants will have an opportunity to review the seminar discussions on the above topics and then break into groups around a topic of interest to them. During the last half hour there will be a full group discussion facilitated by the workshop presenters.
Mary Madden’s (nee Mary Christian-Madden) career has spanned 47 years in public education. She spent the majority of that time as a chemistry, astronomy, and physics teacher in North Providence and Exeter-West Greenwich, Rhode Island. For 14 years she was a high school principal, in Rhode Island and in Connecticut. From 2007 to 2017 she taught General Chemistry I and II at Quinebaug Valley Community College. The recipient of several state, regional and national awards for excellence in chemistry teaching, Mary continues to teach...through experiments that her young grandchildren carry out under her supervision!

(Mary is NEACT Curator of Archives and a past-President, Secretary, and Southern Division Chair.)

In 7th grade, (W. Cary Kilner) Cary’s father helped him build a laboratory in his basement in which he investigated the descriptive chemistry of common elements and compounds. Later he played cornet in the concert band and sat on the Debate Team. In 1969, he graduated with a BS in Chemical Engineering from Michigan State University after working five summer jobs in the chemical industry. He then played jazz piano in Boston for ten years before following his earlier muse teaching chemistry at Exeter High School, Phillips Exeter Academy Summer School, Somersworth High School, University of New Hampshire, and Great Bay Community College. He obtained his MST in chemistry at UNH in 1995, taking early retirement in 2004 to attend UNH as the first doctoral student in chemistry education research. He graduated in 2014, completing his dissertation on The Chem-Math Project. His related interests include lecture-demonstration pedagogy and reincorporating descriptive chemistry into the laboratory program.

Sharon Geyer  Woodstock Academy, CT
Teaching Chemistry Concepts with Card Sorting

Card sorting activities are an important part of my chemistry class. I use cards to teach new concepts, as a formative assessment, and as a review activity at the end of a unit. I have card sets for nomenclature, the development of the atomic model, writing ionic formulas, chemical and physical change, and several other important concepts in first year chemistry. In this workshop you will have the opportunity to do sorting activities in small groups, you will make a set of cards for immediate use in your classes, and you will take home templates of the card sets I have developed. We will end the session by sharing ideas for the design and implementation of new card sorting activities.

Sharon Geyer is a master teacher who brings her expertise, enthusiasm, and energy to the classroom. Sharon’s students engage in relevant, inquiry-based science at all levels of chemistry. She has developed a blended learning environment that includes original content videos, collaborative work through Google applications, and student designed experiments. In addition to her work in the classroom, Sharon is an active participant in the chemistry education community. She is a regular contributor to Chem13 News and she writes a popular blog about her work in the classroom: The Art of Teaching Science. She volunteers as the Western Division Chair for the New England Association of Chemistry Teachers. In addition to teaching chemistry, Sharon is an accomplished weaver and textile artist, runner, baker of bread, and mother of three boys.
Dan Damelin  Concord Consortium, MA  
Making Possible Student designed computational system models

Bring your device (Chromebook/laptop preferred) to explore a free new modeling tool called SageModeler. Students can create runnable system models without the need for coding or writing equations. Explore phenomena by creating runnable models and comparing with real-world data.

Daniel Damelin has worked in the field of education for 25 years, as a teacher, curriculum and technology developer, professional development leader, and educational researcher. A long-standing NEACT member, he is currently an employee of the non-profit Concord Consortium, where he has worked on numerous NSF and foundation funded projects that resulted in open educational resources to support the learning of science through simulation, interactive curriculum and pedagogy, data analysis, and formative assessment.

Friday  
10:45 - 12:30

Megan Shukri  Billerica High School, MA  
Using Modeling Activities to Facilitate Learning in Chemistry

Many students struggle to visualize abstract chemical concepts. This workshop will investigate two hands-on learning activities designed to help students understand two chemical topics. In the first learning activity, students learn to balance sequences by using manipulatives, and then apply their understanding to balancing chemical equations. In the second learning activity, students learn the basics of acid/base chemistry and then use modeling with manipulatives to determine if a solution will be acidic, basic or neutral. Participants will complete the learning activities and receive set of lesson plans and a demo set of materials.

Megan Shukri has taught Honors Chemistry and Inclusion Chemistry at Billerica Memorial High School for three years. Megan holds a B.S. in Chemistry from the University of Massachusetts - Lowell and an M.Ed. in Curriculum and Instruction, Secondary Science Education, also from the University of Massachusetts - Lowell. Megan enjoys investigating new types of education technology and brainstorming new learning activities that make chemistry more accessible to a wide variety of students, and is looking forward to sharing her tips and tricks!

Sue Klemmer  Camden Hills Regional High School, ME  
"Adventures in Steam Distillations"  Presentation/discussion

Sue will present her reflections on a new lab she tried with her first year high school chemistry class: steam distillation to extract the essential oil limonene from citrus fruits. You will find out: why she tried it, how it was done and what happened. Most importantly, Sue will share her renewed commitment to exploring new experimental territory with classes rather than for classes.
Nancy Curtin and Christopher Koutros  Oliver Ames High School, MA

Addressing misconceptions and building chemical skills

First year chemistry students seem to reliably and chronically struggle with misconceptions and execution of basic skills. Examples include chemical vs. physical changes, chemical naming and formulas, and reaction and formula stoichiometry calculations. The presenters will share various instructional techniques they have developed to address these struggles including POGIL and modeling activities, quizzes and lab practicals, use of video technology, and opportunities for scaffolding instruction over multiple units of study.

Nancy Curtin is a graduate of Boston College with a Bachelor’s degree in Chemistry. She went on to obtain a Master’s degree in health science from the Johns Hopkins University Bloomberg School of Public Health. Nancy practiced Industrial Hygiene Engineering for 17 years, specializing in chemical exposure characterization in various laboratory and industrial settings. For the last 17 years, Nancy has taught chemistry and forensic science at Oliver Ames High School. Nancy’s transition to secondary education was fueled by her desire to motivate and encourage young people to pursue careers in science and engineering to expose them to these careers based on her personal career path, and to show both traditional and nontraditional applications of science in the world.

Chris Koutros has taught Chemistry and AP Chemistry in Massachusetts at Oliver Ames and Stoughton High Schools and in Arizona at St. Michael Indian School. He earned his Bachelor’s degree from the College of the Holy Cross in Worcester, an MS in Chemistry from UMass Boston, studying atmospheric green chemistry, and an M.Ed. in Instructional Technology from Bridgewater State University to support technology integration in his chemistry classes. He enjoys skiing, sailing, and taking walks with his black Lab, Beaker.

Ariel Serkin  STEM Teachers MassBay / Norfolk Agricultural High School

Law of Conservation of Mass: How to teach science practices through content

Participants will conduct a lab to investigate mass changes in both open and closed systems. We will use the lab experience to develop several foundational science practices such as measuring and recording experimental data, graphical analysis of class data, and using experimental evidence to develop and support a scientific model. Teachers will leave with curriculum materials they need to implement this lab in their own classrooms.

Ariel Serkin is currently a chemistry teacher at Norfolk County Agricultural High School in Walpole, MA. Besides her involvement with NEACT, she is the co-founder and executive officer of STEMteachersMassBay. She is the regional representative to AACT and has spent this summer bouncing between different conferences and workshops. She is a firm believer in #nerdyshirtfriday and has been a contributor to ChemEdXchange. When Ariel is not thinking about science education, you can find her reading science books on her walks to synagogue and arguing with her 12 year old about who is going to read the latest Rick Riordan book first.

Friday Presentation

1:30  Lee Ann Parker, Todd Gochman  Carney, Sandoe & Associates

Navigating the Search for a Science Teaching position; Sharing of Best Practices.

Learn about independent schools and how their hiring process works. This will also include general information about job searching and tips and tricks for starting a search. We will present on the differences and benefits of working in independent schools and what expectations might differ from public schools’. CS&A specializes in finding teachers for independent schools.
**Saturday, August 18**

**9:15 - 10:45 Workshops**

**Cheryl Lavoie**  
*University of New Hampshire*

A visual method for teaching the metric system (with only positive exponents)

Students often struggle with learning the metric system – remembering the prefixes, getting the correct exponents with the correct signs, etc. I will share a “metric map” visualization for helping students to remember and understand the metric prefixes and derive any necessary metric conversion factors. Only positive exponents are used in this system, as all conversion factors are defined in terms of 1 larger unit equaling a certain number of the smaller unit (e.g. 1 g = 1E9 ng).

**Cheryl Lavoie** is currently a graduate student at the University of New Hampshire working part-time on her doctorate in chemistry education. She taught General, Organic, and Biological (GOB) chemistry to nursing students at Simmons College for the past 10 years and college-prep, honors, and AP chemistry at Notre Dame Academy in Hingham, MA for 4 years. Cheryl is also a mother of three young kids – ages 2, 5, and 7.

**Jerusha Vogel**  
*Greenwich High School, CT*

Exploring Solution Chemistry Through the Lens of NGSS

Greenwich High school just started changing our curriculum to meet the NGSS standards. In this workshop, we will explore the phenomenon, modeling and questioning GHS developed to teach about water chemistry.

**Jerusha Vogel** teaches all levels of chemistry at Greenwich High School in CT. She has been very involved with NEACT since 1995, was president from 2009-2011, and Membership Secretary since 1998. Jerusha was inducted into the North Eastern Section of the ACS Aula Laudis Society in 2005 for distinguished contributions to chemistry education.

**Charles McDonald**  
*Charles J McDonald, Academic Technology Specialist, Middlesex School*

Middlesex School

Technology Tools for Collaborating with your Students

Participants will actively discover tools available to teachers and students for collaboration, sharing and assessment with an emphasis on open-source tools that work on multiple platforms. Technologies covered include Google Keep, Drive and Classroom, Kahoot! and PearDeck.

**Chuck McDonald** trained as a geologist and engineer and taught Chemistry at all levels in a comprehensive, Title 1, urban setting for 20 years. During this time, his passion for technology grew as he discovered how it could augment his student’s experiences. He now works and lives in a traditional, New England boarding school where he teaches Robotics and helps his peers develop their technology literacy.
Steven Couture  UMass Boston
The Usefulness of Epistemic Games in Teaching Chemistry

Problem solving is lauded as beneficial in learning content and thinking strategies but, in reality, some students learn more while solving problems while others learn less. In the resources framework, epistemic games are considered resources that people use when constructing knowledge. They are context sensitive and constrain how a person frames his or her work in an activity. We will discuss implication for the design of context-based problems to optimize learning. After an introduction, participants will have the opportunity to try these games and discuss their insights.

Steven Couture has just completed a Master’s with the Sevian Research Group at University of Massachusetts Boston. He taught at public and private high schools for a total of eight years and was interested in students’ cognition. Studying chemistry education research has granted him access to the various ways that students learn. Steven's thesis work focused on identifying epistemic games in substance characterization. He also helped design an inquiry laboratory activity around the context of dissecting alkaline batteries. He will be teaching full time again this fall.

Saturday
Workshops 11:00 - 12:30

Esther Hines  Billerica High School, MA
Intermolecular Interactions Laboratory Experiments

This workshop will consist of two experiments: Thin Layer Chromatography, and synthesis of esters. The targeted concept is intermolecular interactions. These experiments seem to aid students to achieve better understanding of this concept.

Esther Hines has been teaching at Billerica Memorial High School for the past 13 years. She came to Billerica after few years teaching at the college level. She teaches chemistry at Billerica, CP, Honors, AP and Organic Chemistry. She holds a Master's in Chemistry from the University of New Hampshire, Durham NH, and a Bachelor's in chemistry from the Catholic University of Peru, Lima Peru.

Sharon Geyer  Woodstock Academy, CT
Teaching Chemistry Concepts with Card Sorting

(See description in descriptions for Friday 9 - 10:30 AM)

Chris Koutros  Oliver Ames High School, MA
Streamlining teaching using technology

This workshop will give participants hands-on experiences with technology to streamline their chemistry teaching workflows and create instructional resources for students. We will cover how to use Scantron replacements, presentation software, interactive polling, flipped classroom tools, and online course management systems such as Google Classroom and Canvas to simplify teachers’ daily lives. Also, this workshop will cover best practices when using multimedia resources such as videos, graphics, and simulations to reduce student cognitive load and improve learning. Participants should bring a laptop and/or smart phone in order to fully participate.

See Bio under Friday 10:45 AM
Field Trip

Friday  2:30 PM  Tour of the state of the art South Acton Water Treatment Plant. MA  
Length: 45 -90 minutes  Transportation by private vehicle

Join Matthew Mostoller, the Environmental Manager for the Acton Water District during a tour of the state of the art South Acton Water Treatment Plant. Learn about the historic chlorinated solvent releases impacting the drinking water in Acton and how the cleanup has progressed. This facility is a 1.7 million gallon per day microfiltration plant commissioned in 2015 to supply approximately 45% of the drinking water for Acton, MA. Treatment includes pH adjustment, volatile organics removal, oxidation, membrane microfiltration, disinfection, and fluoridation.
Friday Coffee Generously Sponsored by:

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Carney, Sandoe & Associates is an educational recruitment firm dedicated to matching teachers and administrators with jobs at K-12 private, independent schools worldwide since 1977.

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