RI Science Teachers Association shares opportunities in science education for teachers and students.

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| https://rista.wildapricot.org/Resources/Pictures/RISTA%20logo%20small.png |

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| Science Update |
| March 2, 2017 |

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***Register for RISTA's Annual Conference!!*****Saturday, March 25th at New England Institute of Technology in East Greenwich.*****Featuring Keynote Speaker, [Brian Reiser](https://rista.wildapricot.org/resources/Pictures/reiser%20bio%202016.docx%22%20%5Ct%20%22_blank)******Descriptions of breakout sessions are [listed here](https://rista.wildapricot.org/resources/Pictures/2017RISTAConferenceSessions.pdf%22%20%5Ct%20%22_blank).******Register online [HERE](https://rista.wildapricot.org/event-2477319%22%20%5Ct%20%22_blank)***\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**If you are interested in any of the opportunities listed, please contact the organization that is listed. Send any items that you consider relevant to other science educators to ristanewsletter@gmail.com***Professional Resources *(****from Achieve's NGSS Network Bulletin)***[Video and Report: Unlocking Learning: Science as a Lever for English Learner Equity](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2SmEvuiNVEAIi7H6JLwTyj1R_kuzKCVs3dXSFhBQ46lLUuww3LeVNOIMvPDoO0gf8lqeT2Er0hyaZ8YyI2gdM9iisfTk3bhQLeSHWIxQdjYMNJ9THJiiaQK1QIrJOmwiHUBHOXE_8dxD9FqmppAZKtMQWca2hvpC00VjlTVzXfnFJ8dq2-BPCPnQHY5uE7HvWpRJGuxPK6Yqw=&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)** - Education Trust - West released a preview [video](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2Sm0XMgzgHe-Rrz5MEObZgJDMoDlBZhK2Oo4l2HVqOAuE9deaW5r9hLq4uv4T1j8RLHjPBTBeoVMuHPYZ4GihvXIf_81eXG93BpkY_BYI8n2CopQd1IsFPRw==&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)  and [report](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2SPLtwp21AxfCRkJ7jWCZwp2Z6yjgIwd3qy0j5mePm1eyCvDs6q_ZrAQkfKblq5pjZeDiq-TFMFH9Ugyrrwly_u8TAwQ4NmEOj2NKclXKIAwQIbiJn1qIJMMF2IiYcZCuIvxG6lOWECff5YeAfMB0HJG6W5HTciulgemBWtqIBwsI3tiKBHTUaAZaZ4MbRIxbpruIXS9A4Foq1AH0H8N49EON8tj6dq82gA5ecih0vHDM=&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)  *called Unlocking Learning: Science as a Lever for English Learner Equity*, which lays out how NGSS can accelerate learning for English learners. The report lays out a strategy for increasing access and achievement in science for all learners and is based on in-depth site visits in California. It includes examples of classroom practices to weave together science and language development, which can lead to higher achievement levels in both content areas, as well as professional development techniques. The report concludes with state- and district-level recommendations.**[Two Professional Development Sessions on Assessment](http://r20.rs6.net/tn.jsp?f=001a0aV1vCNoVtiAq1bezqTyXH_8IE7DPVYfV9hJUP0uO97xVIaD4qgbUlmrBT2ZhcVOAop-t48FLKK22rqBs9Rh0HvLo8UNjcjla41-yZ1tmY78muZTrGfSvxlAqKW6tzDQ18X-xAneEOrCIIFMeJPzX1xnnh8c2-EYNT_kIciIwWbkzyWMXPewSDZA31T5TatUwJASSe_xX8lmWKbnvnhdQj78UJ-bzWRbUtmqMthAKsWz3Z3BFwAarTHod4us26l&c=xcAtCdMf6U_B7iiEI2hRYKcJie3UDoaAoH5x-CzXcQ2Dr3BgH3tuLw==&ch=R9K26WRhcuQ2QQxn5gwSLv601TK9mMsEQavAgnv-UEVwBvl4pTckZw==" \t "_blank)**: NSF's Advancing Coherent and Equitable Systems of Science Education project (ACESSE, pronounced "access"), a collaboration between CSSS, Colorado University Boulder, and the University of Washington, developed two open educational resource (OER) hour long PD sessions on three-dimensional, formative assessments. * The first, [Introduction to Formative Assessment to Support Equitable Three-Dimensional Instruction](http://r20.rs6.net/tn.jsp?f=001a0aV1vCNoVtiAq1bezqTyXH_8IE7DPVYfV9hJUP0uO97xVIaD4qgbUlmrBT2ZhcVykOjODY-wQc9Bu9QlUC3gtJNiIXKHybk8NnUdJRP2qq6Am2Ax2RmC83RcijbTMEU4x9l8rYdwjvRdp3PGbAFxRPS8gn477zCB321aNyp7XOzkspst6Rp_oLC8iW-UF2P3EZXtviB-qY=&c=xcAtCdMf6U_B7iiEI2hRYKcJie3UDoaAoH5x-CzXcQ2Dr3BgH3tuLw==&ch=R9K26WRhcuQ2QQxn5gwSLv601TK9mMsEQavAgnv-UEVwBvl4pTckZw==" \t "_blank)

, includes an introduction to formative assessments and their connection to access and equity. * The second, [How to Assess Three-Dimensional Learning in the Classroom: Building Tasks that Work](http://r20.rs6.net/tn.jsp?f=001a0aV1vCNoVtiAq1bezqTyXH_8IE7DPVYfV9hJUP0uO97xVIaD4qgbUlmrBT2ZhcVQYp5nGa4h5zVUH14-Rqw9z9hwxLxYtEJn8B1oxgR0NxLGcxf_TElvaqpKC1YKJxSHxyY8WBiM7MxtZiwLdHUZSCwwffFrpfg6ruqOlYwMJtdIr1gj336qXl1OaTHGKAVGylKu4Pjz3w=&c=xcAtCdMf6U_B7iiEI2hRYKcJie3UDoaAoH5x-CzXcQ2Dr3BgH3tuLw==&ch=R9K26WRhcuQ2QQxn5gwSLv601TK9mMsEQavAgnv-UEVwBvl4pTckZw==" \t "_blank)

, is a continuation that covers analysis, creation of, and adapting formative assessments with an eye towards equity.Find them on the [STEM Teaching Tools](http://r20.rs6.net/tn.jsp?f=001a0aV1vCNoVtiAq1bezqTyXH_8IE7DPVYfV9hJUP0uO97xVIaD4qgbUlmrBT2ZhcVxx2ZjR-e8a2fCI3SqQlQn11yVJlZQp19kzPlWwerwEvcV7r7-V6B5jhooJpBYxGiA2SKTOIG9fK1QAruWWZYDrLTBwgv2EXlkNlQyhj7Et7VlICxeqzZWw==&c=xcAtCdMf6U_B7iiEI2hRYKcJie3UDoaAoH5x-CzXcQ2Dr3BgH3tuLw==&ch=R9K26WRhcuQ2QQxn5gwSLv601TK9mMsEQavAgnv-UEVwBvl4pTckZw==" \t "_blank) website or the [OER Commons](http://r20.rs6.net/tn.jsp?f=001a0aV1vCNoVtiAq1bezqTyXH_8IE7DPVYfV9hJUP0uO97xVIaD4qgbUlmrBT2ZhcVyTpw31sRvDAykCwbSRO1fqCQNaoXJlgkxh7M_CSiEJl9zbhjcfJh_gVPQGtbV3aJwGanHbPjrn6Ztt6HV_qLzb_qFWh0GpWyhXji65SbiDMz7LqKeW4yw4_XdUYE7O7crThjCK0BP-99fzw8-dCv8g==&c=xcAtCdMf6U_B7iiEI2hRYKcJie3UDoaAoH5x-CzXcQ2Dr3BgH3tuLw==&ch=R9K26WRhcuQ2QQxn5gwSLv601TK9mMsEQavAgnv-UEVwBvl4pTckZw==" \t "_blank) platform.**[Ocean Literacy Scope and Sequence and Correlations with the NGSS](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2Sdfqpb1qWQRRigEI2bHmMj9Mes4PEtrpd_TrQ0KPDTq2rkEljagBn8w4hT8LhLpWzvq7U9d1wLvRnFEc5_RBYNu0BstMzxrv-R9AK6QsfrrPkusdYoSdEFTY7M4bKLKZiev6xlz6PsGElNfXFzRF7LKOdaWd3Y779R1WwPDws8aush_QrXysETO4F8nuc_xu4V8sYY-ly2OwAuAZ7cc0b2_sI9FZdeP6GCEqyFSiMFgVI6seYRxd2hnphMp6yNKkrc9Q3mNz52tw=&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)** - The National Marine Educators Association added an NGSS-alignment component to its three-webinar series on Ocean Literacy series. The first webinar in the series reviews a [K-12 Ocean Literacy Scope and Sequence document](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2SDLTyrD0OqbY8Nlvk_U7W1EgSAQmPvNYNefnArcHIaIJA1tHUlz64D6lE6i944NN_QiB99zuMzZEsIhPt1EQkRCVUEtF7GcHd8OFxoa95PFvf-EKFf6YoQmy1lBVK6vJ9ywNvQXgA_GTTUXuAg0OaGh5PgruFWdqMLjhH7uB6P8CWD3vZm9Jatpf7iNzU4zAB&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)  (watch [here](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2SusnhJmDTyJ1uxT_NgTY9PTrXmJzHZnkHqwTzOKBQXc9yAnNoKDgk1aYd3Bl3nFIyAocaOcahiZ13k5KcBvSEaNfew1lN4mTqBrIyFyY8y9lkMFFEkSYeWyv_b9iWy2j08NudZ6tuxKJXMCSMMQQwQA==&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank) ), the second webinar guides viewers through their [Ocean Literacy-NGSS Correlations](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2SJW2IYbxZPpZqWv3DWw2Ib_iXZ2YDTxuQankSXWB5wmCDVAqbrgfJDV9OiP-8gH6SLZR7SYb0sLx59d52mzttuHCORmedGWNShMCaW4YaQnEwXCp5cBtCxCC4ZRItWjm29VScXBgJKULxsJqV6rGZh1PK_mvhkyUMNbK-MqZkCGo7B7oiBLKUiA==&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)  (watch [here](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2S40VZma2I8pKXAUpaY25qTLtRMowHeSLoHytn5aR6zhXvQhux1WO7YH1w8i_J8mf8BPToMcDUxXp6285JnHfD5Km22Zat4YgKCvFI4OSk28_YQ0o0F0WeGaQor-1zaN88kNFw1khoooTYwgSCX52o3g==&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank) ). The third illustrates how educators, scientists, and policymakers leverage the NGSS correlations to support funding efforts, strategic planning, and professional learning. *Note: these resources have not been evaluated by Achieve for accuracy.***[STEM Teaching Tool - Science in K](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2S7EcyF0K_OG7bXnJCRktdOJNkBUg6paXHpqsvEHdeHlHlMesTK-jmUnDK3AjSvKiem4qEEn83JvxdkfTHOjs4YvqvoF5YxcfvD_XYw4WUOdyZRM3mk65KSTgOkpUlp0qb&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)**[-](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2S7EcyF0K_OG7bXnJCRktdOJNkBUg6paXHpqsvEHdeHlHlMesTK-jmUnDK3AjSvKiem4qEEn83JvxdkfTHOjs4YvqvoF5YxcfvD_XYw4WUOdyZRM3mk65KSTgOkpUlp0qb&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)**[5](http://r20.rs6.net/tn.jsp?f=001As2gb6v-LkxEVO2FkENVynOniijye5hiH4OiVNNt3WFlo-uwyl2JwtT26jD96l2S7EcyF0K_OG7bXnJCRktdOJNkBUg6paXHpqsvEHdeHlHlMesTK-jmUnDK3AjSvKiem4qEEn83JvxdkfTHOjs4YvqvoF5YxcfvD_XYw4WUOdyZRM3mk65KSTgOkpUlp0qb&c=KJJzwuXreXHkL2d3oRfH599JmTX2IQYeYVqmxVXg7Yde3ZJDHj59HA==&ch=zgRhx5Gx7W8zri6Uutycisjkq4EwreS0WaXGZt_xAB4SLGwNHkjIhQ==" \t "_blank)** - If you need to make the case to district or school level that elementary students should be getting more science instructional time, this new STEM Teaching Tool Practice Brief addresses just that. It provides an argument for why it's important with an emphasis on equity concerns, and ends with recommended actions a school can take, such as engaging in cross-subject integration, taking advantage of students' curiosity, and making connections from science to the real world.**[Criteria for Evaluating Phenomena](http://r20.rs6.net/tn.jsp?f=001a0aV1vCNoVtiAq1bezqTyXH_8IE7DPVYfV9hJUP0uO97xVIaD4qgbUlmrBT2ZhcVfGW_5QMrAaxOYBjcso_T2ixmTH1I64mi6m9KMzw5Q2hIr2KVfg6Hv46U00FHsfIIMpo-tPfzjtwPMKlkrCKA43PEW3F2A3UefeG8FcUMnf3aaCs3C2cCK0eVKZxn7L35jM3F5P6sIPwwPhyA0oq3R5s1N5DAQ329TqtzTOhhsghIm3_CErsMj35Ih9lAw3YljmW0yH7RaBw=&c=xcAtCdMf6U_B7iiEI2hRYKcJie3UDoaAoH5x-CzXcQ2Dr3BgH3tuLw==&ch=R9K26WRhcuQ2QQxn5gwSLv601TK9mMsEQavAgnv-UEVwBvl4pTckZw==" \t "_blank)** - NSTA released a set of five questions to help educators begin to determine whether a phenomenon will be effective in getting students excited to explain it with science. It guides the lesson planner to reflect on which parts of the DCI element it addresses, if it's observable, comprehensible, and thought provoking to students. Extra care should be taken to ensure the phenomenon supports 1) equity and access concerns, 2) grade-appropriate experiences across the three dimensions, and 3) coherence within and across lessons and units. It's important to remember there is an inclination among many teachers and schools to prioritize the DCIs over the other strands of the NGSS because that is the most similar to the work they've done before.**[Last set of Example Bundles Released](http://r20.rs6.net/tn.jsp?f=001a0aV1vCNoVtiAq1bezqTyXH_8IE7DPVYfV9hJUP0uO97xVIaD4qgbaAGpleh7vHaqHsdKIopSxDzJc-bPHBFN-g8i4lURcDkGxdwCfTh1sj2X84WYP0Z62LP1Brls_CpL8Q6fnI1PNePlNKBoqW4BjPqx_UzyQp4Q6NsL5skEc40H4jKdTsqW4fxwZQJo97sMsRWWM7rh6PUX9FX2dGYXw==&c=xcAtCdMf6U_B7iiEI2hRYKcJie3UDoaAoH5x-CzXcQ2Dr3BgH3tuLw==&ch=R9K26WRhcuQ2QQxn5gwSLv601TK9mMsEQavAgnv-UEVwBvl4pTckZw==" \t "_blank)** - The last set of NGSS bundles, including 2nd grade, 5th grade, and middle school, has been released. The full suite now covers all grade levels, helping to ensure that curriculum developers for science have a broad set of NGSS-aligned examples to consider. Curriculum developers can use these example bundles when considering how to create and arrange bundles in a way that coherently builds student proficiency in all three dimensions of the standards.**Professional Opportunities****The** **Presidential Awards for Excellence in Mathematics and Science Teaching**(PAEMST), the nation’s highest honor for teachers of mathematics and science (including computer science), has opened its 2016 – 2017 nomination and application period for 7-12th grade teachers.  We encourage you to nominate an exceptional teacher you may know. If you’re a teacher yourself, we encourage you to begin an application online today. Being a PAEMST awardee is a tremendous honor. Recipients will gather in Washington, D.C., for [a series of events](https://www.whitehouse.gov/blog/2016/09/09/honoring-nations-leading-science-and-mathematics-teachers-and-announcing-active%22%20%5Ct%20%22_blank) as tribute to their accomplishments, will receive a certificate signed by the President and a $10,000 award from the National Science Foundation (NSF).  The 2016-2017 nomination deadline is April 1, 2017, and the application deadline is May 1, 2017, so consider nominating a talented teacher or submitting a self-nomination on the [PAEMST website](https://www.paemst.org/?campaign=2017CycleLaunch" \t "_blank) today.**RI Teacher at Sea**GSO is planning another three-day educators cruise during the August 4-18, 2017 time frame.The program is open to Rhode Island educators who teach in Rhode Island in a K-16 setting. Educators of **all disciplines, both formal and informal**, are welcome; **participants are not required to be science educators.**The deadline for applications is **May 1, 2017**. General information about the RITAS program and an application form can be accessed at:[http://omp.gso.uri.edu/ompweb/content/rhode-island-teacher-at-sea](http://omp.gso.uri.edu/ompweb/content/rhode-island-teacher-at-sea%22%20%5Ct%20%22_blank) . Should anyone have any questions please do not hesitate to contact Maryann School at mscholl@uri.edu**The 2017 Benjamin Peterson Award for Excellence in Teaching Secondary School Chemistry**Each year, the Rhode Island Section of the American Chemical Society offers an award to a chemistry teacher at any public or private school in Rhode Island in recognition of outstanding teaching at the Secondary Level.  Through dedication, innovation and leadership, this person has inspired future chemists, provided leadership to colleagues, and communicated chemistry to students and the public. This annual award is named for a teacher who has been a leader in chemistry education in Rhode Island.  Ben Peterson passed away at the age of 90 and was a living example of a true scholar.  He mentored many of us during his lifetime and left a considerable legacy of excellence in chemistry education that continues.*The criteria for excellence include:  the effectiveness with which the teacher facilitates the understanding of chemistry concepts, the use of innovative techniques to help students, and his/her interaction with students, both academic and extra-curricular.*The selected teacher will be officially honored at the May Annual Meeting held by RIACS.  The presentation will include a framed certificate and a cash prize.  A nomination form may be requested from Kathy Siok.  The application must include a letter of recommendation.  A brief resume for the nominee may be attached (or will be requested after the form is received).  Additional letters of recommendation or other materials may also be submitted.  Previous recipients of an RIACS award for Teaching Excellence are not eligible.  It is preferred that you return items by email.All materials must be returned by April 1, 2015 to Kathleen Siok. (kathys5@cox.net)**Camp Instructor and Assistant Instructor Positions Available at The Audubon Society of RI**We are looking for qualified Camp Instructors and Assistant Instructors to lead fun, engaging environmental and nature activities at our Summer Camps for 2017! The positions entail teaching and leading nature and environmental education activities for children pre-k to seventh grade. There are two camp locations in which these positions are available: The Environmental Education Center in Bristol, and the Caratunk Wildlife Refuge in Seekonk Massachusetts.*Responsibilities:*Develop and implement natural history lessons, activities, games, and arts and crafts, may involve supervising on a rotation basis Before and After Camp Care. Supervise campers’ health and safety, and maintain clear communications with staff, parents and campers. Attend staff trainings, and maintain general camp upkeep. Camp Instructors and Assistants may also oversee Junior Counselors that will assist during the week.*Qualifications:*Camp Instructors must be 21 years or over, and the Assistant Instructors 18 years or older, must be able to work independently. Camp Instructors and Assistant Instructors should have experience and background, or be currently enrolled in a degree program, in the following: Marine Science, Biology, Environmental Education, Science, Outdoor Education or other similar focuses. Must love working with children, and have a background in teaching, or experience working with children, preferably in a camp or nature setting. Additionally, must be able and willing to work outdoors and have excellent communication skills. Must have current Community CPR and First Aid or be willing to become certified. Criminal background and Sexual Offender checks are required.*Benefits:*Steady work for up to 8 weeks. Hourly pay based on 5 days a week and 40 hour work week. Paid trainings. Work outside in Nature with Kids! Learn or perfect Naturalist and Environmental Education Skills! Work for a leading organization in Environmental Education. Possibility of continuing work during school year.Please send by email or mail your Resume and Cover Letter to: thall@asri.org or Tracey Hall, Camp Director, 12 Sanderson Rd Smithfield, RI 02917**Norman Bird Sanctuary**Norman Bird Sanctuary is hiring a per diem educator starting early March 2017, as well as summer camp counselors.  Please [see the attached job description](https://rista.wildapricot.org/resources/Pictures/2017_Per%20Diem%20Educator%20job%20description.pdf%22%20%5Ct%20%22_blank) for the per diem educator position.  For more information on summer camp counselor positions, please visit  [NBS’ summer camp web page](http://normanbirdsanctuary.org/camp/summer-teachernaturalists/%22%20%5Ct%20%22_blank) . If interested, please forward a cover letter and resume to Rachel Holbert at rholbert@normanbirdsanctuary.**RIDEM Wildlife Outreach Program: Come Birding With Me!**Are you interested in learning about the birds of Rhode Island and how to identify them? If so, the RIDEM Division of Fish & Wildlife invites you to “Come Birding With Me.” If you know little to nothing about bird identification, this is a great place to start!Join us for a [FREE family-friendly, morning workshops](https://rista.wildapricot.org/resources/Pictures/Come%20Birding%20With%20Me%202017.jpg%22%20%5Ct%20%22_blank) at various wildlife management areas and state parks. Learn about habitat conservation, how to identify birds by sight and sound, and the importance of birds to RI’s ecosystem. All materials are included, but if you have binoculars or a field guide, you are encouraged to bring them along.Registration is required, and limited to 20 participants per program. [Programs will be running on Saturday mornings, 9:00 -11:00 from February to April.](https://rista.wildapricot.org/resources/Pictures/Birding%20schedule%20.jpg%22%20%5Ct%20%22_blank) Participants are encouraged to dress for the weather (warm layers, hats, gloves, sturdy shoes)! For more information on this program please contact Mary Grande at 401-226-5627 or send an email to mary\_grande@brown.eduTo register click here: [https://goo.gl/forms/axRLDWUpx7oUFRcc2](https://goo.gl/forms/axRLDWUpx7oUFRcc2%22%20%5Ct%20%22_blank)**Jason Project needs your input**For Physical Science Teachers:  JASON Learning and the Navy are collaborating to develop "Sound in the Ocean", a digital, middle-to-high school curriculum module on sound and acoustics. This module will introduce these topics by exploring the work of professionals that use acoustics in fields as diverse as the music industry, national security, fisheries, and high tech, and will provide a range of digital and off-line learning activities to develop key concepts and skills. Access to the module will be free to early-adopter teachers through a grant from ONR (Office of Naval Research).We are in the process of designing this module, with the goal of making it valuable and accessible to as many teachers as possible. To help us achieve this, we want to understand what the key gaps and challenges are for you in this area of instruction. Please take a few minutes of your time to complete our online survey at: [https://www.surveymonkey.com/r/MV99B98](https://www.surveymonkey.com/r/MV99B98%22%20%5Ct%20%22_blank)**Summer Institute for Climate Change Education**Climate Generation is a recognized leader in climate change education nationally, and we are joining forces with University of Minnesota’s Institute on the Environment, where leading climate change research is happening. Hear directly from climate change and solutions experts, and engage with hands-on activities that will help bring these concepts to life in your classroom.Join a network of teachers from across the country dedicated to bringing science, critical thinking, and problem solving about climate change into the classroom.June 26-28, 2017  University of Minnesota’s Institute on the Environment St. Paul, MNRegistration: $150 (includes daily breakfast, lunch, and curriculum)  and Field Trip Opportunity to Cedar Creek: $35  Lodging Available ($48/night single, double/shared $36)22 Clock Hours- 2 Graduate Credits optional (fee) Register at: http://www.climategen.org/summer-instituteQuestions? Contact Megan Van Loh, Programs Coordinator 612-278-7147, megan@climategen.org**Annoucing the Arctic Climate Game Jam!**April 21 - 30, 2017The PoLAR Partnership, NOAA, Zulama, and partners are excited to announce a new Climate Game Jam focused on the Arctic! The Jam will be held at multiple sites, offering a unique opportunity for students, educators, scientists, and game designers to work together on the development of climate game prototypes that span a range of platforms, topics, and audiences. The Arctic Climate Game Jam will encourage the creation of new game prototypes that allow players to learn about the effects of as well as solutions to climate change in the Arctic through a science-based, interactive experience. The event offers participants the chance to work in design teams, learn science facts, consider how a changing Arctic affects us all, and produce engaging experiences for audiences of many ages. No previous experience with game design is necessary!Visit [climategamejam.org](http://climategamejam.org/%22%20%5Ct%20%22_blank) for more details.  Interested in hosting a site for the Arctic Climate Game Jam?  Site registration is now open at [bit.ly/ACGJsite](http://bit.ly/ACGJsite%22%20%5Ct%20%22_blank)As a site organizer, you have the freedom to decide on when and how your game jam will run (within the agreed upon timeframe), where it will be held, who your target participants are (students, scientists, game designers, etc.), how many participants you want to include, what specific Arctic themes you want to focus on, and what kinds of games you want participants to create (video game, card game, real world action game, etc.). To learn more, contact Jessica Brunacini at jbrunacini@ei.columbia.edu.**Student Opportunities****OMEGA (Opportunities for Multigenerational Engagement, Growth, and Action)MIT AgeLab, Cambridge, MA**Are you a high school student in New England actively working to create connections between teens and older adults in your community? Are you an educator or service provider working with high school students in New England?The MIT AgeLab, AARP, and the New England University Transportation Center, are collecting applications from high school juniors and seniors in New England for the OMEGA scholarship. Three OMEGA college scholarships are available to recognize and reward the efforts that young adults are making to create multigenerational connections in their communities. Each OMEGA scholarship will award a $1000 college scholarship to the winning student and $1000 to the winning student's high school organization to support its activities to build relationships between teens and older adults.The application for OMEGA college scholarships is now live and can be found [here](http://r20.rs6.net/tn.jsp?f=001iBAsWPJ2BxdD6_L-K76PbfQiGusHg2ktY4Kjs-5VGlusi4nf6sLn1TZ6-9QvWKr9PIxql2-KLVnq0GeaDHRzOIv2NK35etEC-IigKbmxOdcMQLPb7Meu3Z3ww-vzE03S5AaSva7Om8UvaMcbinh6TDV3wluptbQKr8hpQ9gA8NdoSZYPRRythQoYf3B_aT8yBn9cVHYfVto=&c=hHqKSjBGeiB5ZgBENZbj8LM-Pu7-sKYIeg6OqlW2oG6wcvyXmjiPZQ==&ch=GQEhywbrsIHz70Hm8Y6FIO2RK0YklrAy-OEmzGJkh3EX86tORKOh3w==" \t "_blank) Completed applications are due March 31, 2017. Please forward widely acrossConnecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont and [post a flyer](http://r20.rs6.net/tn.jsp?f=001iBAsWPJ2BxdD6_L-K76PbfQiGusHg2ktY4Kjs-5VGlusi4nf6sLn1Q3K_6xEHhMWivXTC-ty33IIXxR5uF88uCHg8oHD-Xy8oqFXz9Kcu2Tv4D0bj9821CEmSWr7eB1040ACQGTWBq4F4wq8LEzvFjClOu4tnhJJButtx9AUVfLLuCE8ghVaZIjSnfA7HZ41sjn0V1JMBpV4aZXXIl9yru67CaaY6pfdFScRoakyzW3pl8ARwC83RbaCpDT-ToynpxLs-D96hUd_vuBcfG0yaA==&c=hHqKSjBGeiB5ZgBENZbj8LM-Pu7-sKYIeg6OqlW2oG6wcvyXmjiPZQ==&ch=GQEhywbrsIHz70Hm8Y6FIO2RK0YklrAy-OEmzGJkh3EX86tORKOh3w==" \t "_blank) in your school/community. Questions? E-mail omegamit@mit.edu or call 617-253-3506. Thank you for helping us spread the word! **Student Research Competition**The goal of the Marjot Foundation is to fund independent field and/or laboratory research projects on environmental issues by high school students in grades 9-11. Students must write an independent proposal detailing their research goals to be carried out over a one-year period.Funding from the Marjot Foundation is very competitive. Preference for awards will be given to students from public high schools, although students from private schools may also apply and will be considered. All students are expected to meet the following criteria:Participate in a state science fair during the course of their project;Submit a mid year report to the trustees of the Marjot Foundation summarizing their accomplishments to date; andHave a mentor who will assist the student with his/her research. The mentor may be at a high school, a college or university, at independent laboratory or a state/federal agency.The Marjot Foundation seeks applications for a April 1, 2017 deadline. Students in grades 9-11 from high schools in New England and New York are welcome to apply. STUDENTS must write proposals on environmentally related research they will carry out over a one year period. Students must have a mentor who will write a letter stating he/she will help the students with their research. Students will be required to participate in a science fair at the conclusion of their research. Total funding per project is $5000.We require online PLUS hard copy applications. Questions? Email clancraig1@gmail.com[» Download Paper Application Form (pdf)](http://marjotfoundation.org/ApplicationForm.pdf%22%20%5Ct%20%22_blank)[» View Online Application Form](http://marjotfoundation.org/application-form.html%22%20%5Ct%20%22_blank)**National Youth Science Camp**The application portal for the National Youth Science Camp program is now open. The NATIONAL YOUTH SCIENCE CAMP is an honors program for two high achieving high school students from each state in the United States and others from around the world. This residential summer experience is held in West Virginia and has honored and challenged over 5,000 participants since it began in 1963. NYSC 2017 will be June 14 – July 8, 2017. The NYSC is operated by the National Youth Science Foundation® , a nonprofit organization.The goals of the NYSC program are to:* Honor high-achieving science-oriented students Introduce new scientific topics, especially those not typically covered in traditional secondary curriculum
* Encourage lifelong learning in science, technology, engineering, and mathematics
* Demonstrate relationships among the sciences and between science and other disciplines
* Prepare students to face challenges of college, career, and life-long education
* Develop creativity, instill self-confidence, and foster camaraderie among future leaders

Graduating high school seniors representing each state and several countries are selected to attend the NYSC through state and country-based competitions. Selection criteria include demonstrated achievement in science, technology, engineering, and mathematics and participation in school and community activities, with leadership potential.Please find an [attached flyer](https://rista.wildapricot.org/resources/Pictures/NYSC%20Handout%202017%20RS.pdf%22%20%5Ct%20%22_blank) with more information about this great opportunity. Feel free to print out or attach to distribution lists that will reach high school educators in the state. If you know of a current senior who meets the selection criteria, please encourage them to go to the website and apply.For additional information, please visit www.nysf.com, call (304) 205-9724 or send an E-mail message to office@nysf.com.**26th Annual MSMR Student Competition**Students in grades 7 – 12 are invited to submit an essay, poster or website in response to the Competition Challenge. The Student Competition is open to students from all New England states and from public, charter, parochial, independent/private and home schools. Students in grades 7 and 8 will be in the Level 1 group and students in grades 9 – 12 will be in the Level 2 group. The Challenge is the same for both Levels.Winning students receive awards up to $500 plus certificates and books; their teacher or mentor will receive a classroom grant of up to $100. Winning students, their parents and teachers are invited to the MSMR Annual Meeting luncheon in Boston in late June, where the awards will be presented and their work will be posted.Please tell your students – and colleagues – about this opportunity. Here is a link to detailed information, the Student Packet and Entry Form. The deadline for submissions is May 8th, 2017.**Classroom Resources****[Free STEM Kits: 10 Hess Toy Trucks & C](http://click.email.hesstoytruck.com/?qs=5b3347aa0af5074311602f55a7bfff8251846befaf8bd0d1a713b8ce137a89fa2840270f91302d199b944950ade97675af68678e8b630166" \o "FREE STEM KITS: 10 HESS TOY TRUCKS & CURRICULUM" \t "_blank)urriculum**Hess Corporation and Baylor College of Medicine have partnered to create a free STEM (Science, Technology, Engineering, and Mathematics) curriculum for schools nationwide.  The curriculum uses the 2016 Hess Toy Truck and Dragster as a learning tool, enabling educators to teach STEM concepts through engaging activities. [Teachers](http://click.email.hesstoytruck.com/?qs=5b3347aa0af507439f0cabae132df9bfbe8bc1a55e02f8857155cf3ad1d0a0cf02233b68241b646805a885af0d525973" \o "Click here" \t "_blank) [click here to request a free kit today!](http://click.email.hesstoytruck.com/?qs=5b3347aa0af5074305e479793458ed5df64141156587254c26135f56f6fde6d1168ab578b928b155186b74a1e25a74504ea516dce43501b4" \o "STEMKit" \t "_blank) *Deadline to apply is March 31st.*Want a free copy of the curriculum? Download it [here](http://click.email.hesstoytruck.com/?qs=5b3347aa0af50743d42f5ed808fbbb29d5521dcf8dac6828821d246e22639139d2c168ce764171dbf31872b2a17446a98d49ded7589be1da" \o "here" \t "_blank) |
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