Since we don’t have an ISS listserv, I have been trying to find an easier way to get information out to everyone and gather information from librarians in a collaborative way other than email. Schoolwires has a blog app that was incorporated into the ISS: Media – SLS – Science Center webpage. I recently took a webinar on the app for the blog. We are now ready to activate that feature. At this time, the link is only active on the ISS main page but will soon be featured on the three services’ pages, too.

Reasons why I am excited about this form of communication for our services:

1. The blog has two sections – one for informational items and one for Q&A.
2. Schoolwires has options that allow me to make all LMS in our service contributors to the blog. This means that when you have a question that you want feedback for you can post it there yourself and not have to send it to me to send out in an email.
3. There is an RSS feed for the blog so you can add it to your RSS feed aggregator and get automatic notices when someone has added content to the page.
4. It is a place for everyone to share great projects within our region so that others may try them too.
5. Advocacy for all. Tips and tricks for advocacy can be shared here for all to use.

But, as with all technology, it is only going to be as good as its users develop it to be. If you don’t check it regularly or if you don’t contribute/ask questions/post comments or if you don’t use the information posted...it will just be another dust-gathering-useless website.

We have all wanted a central location for sharing and now we have it! Let’s make it ROCK! Post pictures, ideas, successful lessons, tips and tricks, question stumpers, answer colleagues’ questions. You don’t have to contribute daily but if you set a goal to contribute a minimum of once a month – and by contribute I mean something as simple as posting a comment to someone else’s post all the way up to adding directions for a great project and everything in-between – that would be 70 items a month. A treasure trove of information and assistance! Guidelines for contributing will be coming your way shortly. I look forward to adding content as well as reading YOUR content.
Coming in July 2015 - Visual Learning Science Videos in Learn360

Let all your science teachers know that new science content will be available in their Snap accounts starting in July! Visual Learning Systems has announced that Learn360 will be delivering their entire collection of 406 science titles on their platform. This will be effective July 1, 2015. New titles that they produce in the future will most likely be included in the Learn360 offerings. Learn360 is one of the products they have access to through their Snap account. Be watching for this great new content in Snap.

New High School Content in Classroom Video on Demand Available through Snap

CVOD has added 139 new titles into their streaming video collection for high schools. You can access CVOD through your Snap account. CVOD was added to high school Snap accounts this spring. We are already getting rave reviews regarding the content quality and how well it matches the curriculum. Some of the new titles include:

- **Mass Collection of U.S. Phone Records Violates the Fourth Amendment: A Debate** - Some argue that such collection is a gross invasion of privacy, while others contend that it is necessary to keep Americans safe. Does the collection of phone records constitute an unreasonable search and seizure? Or is it valid under the Constitution?

- **Ultra Light, Super Strong Material** - Materials scientists have created one of the lightest man-made materials in the world, and it can hold 160,000 times its own weight.

- **"Danceroom Spectroscopy" Makes the Atomic World Visible** - A chemist has created an eye-catching way for people to imagine what’s there as their own bodies interact with the atomic world.

- **Building An Earthquake Resistant Home** - Structural engineers have created a new construction method that makes buildings more structurally sound and able to withstand an earthquake with little to no damage. They used a “shake table” that simulates some of the strongest earthquakes possible, and watched what happened to the house on top of it.

- **Genetically Modified Food: A Debate** - Genetically modified foods have been around for decades. Supporters argue that genetic modification can make food more flavorful, nutritious and abundant and enables plants to fight disease, resist pests and survive drought. Opponents, however, question the safety of genetically modified foods, contend that their health benefits remain unproven, and fear their long-term impact on the environment, the food industry, and the human body. Is the world better off with or without genetically modified food?

What better inspiration to get your students active, moving, and learning about all aspects of their health! Engage them with Learn360’s health and fitness videos, and challenge them to incorporate physical activity into their day. Here are a few series to get you started through your Snap account:

- Deskercise
- Pilates for Teens
- Health Works
- Nutrition for Sports and Exercise

Click here to read more about Snap in this issue!
Music Teachers Take Note!

The OHM BOCES Media Services is sponsoring its first ever Regional Read & Sing. Experience a wide variety of music literature through this music reading session! Please bring your instrument (or voice!) and read through an assortment of music targeted towards different grade and ability levels. There will be sections running throughout the day: Orchestra, Band and Choral. The OHM BOCES Cooperative Music Program and J.W. Pepper have teamed up to bring you several hours of reading the best new music, handpicked by the experienced staff at J.W. Pepper. This is a fabulous opportunity to select music for the upcoming school year while networking with fellow teachers from our area! *(Don’t forget to put in for those Professional Development Hours!)* Refreshments will be provided, and lunch will be on your own in the village of Clinton where you can enjoy the local farmer’s market. The Regional Read & Sing will be held on July 30, 2015, at Clinton High School. Music teachers in the OHM BOCES sheet music service can attend at no additional cost to their districts. Music teachers outside this service are still welcome to attend but a $35 fee will be required.

Registration for the event is through MyLearningPlan, which can be accessed through the Instructional Support Services webpage.


Districts will be billed this summer for Media Center materials that have not been returned from the 2013 - 2014 school year. Along with numerous email reminders, we give an extra year for items to be returned because we understand that they can be misplaced in your busy classrooms. If you have questions about outstanding items in your account from 2013 -2014, please contact us ASAP because once the bills go out it is too late to return them for a refund.

Theresa 793.8514 tvanhatten@oneida-boces.org or Colleen 793.8516 chuddleston@oneida-boces.org

Casselman Works with Sauquoit MS Class and Notebook Software

Kim Casselman, trainer for the OHM BOCES Media Center, collaborated with Gayla Rothdiener’s class at Sauquoit Middle School. The teacher and students have been learning how to use SMART Notebook 11 with their new Brightlink projector. Using interactive learning, Ms. Rothdiener is addressing the student’s visual, auditory and kinesthetic learning styles. The students are really enjoying being able to interact with this new learning environment.

New Links in Snap

Two new courtesy links have been added to Snap. Although these sites are free for all on the Internet, we have included them in Snap to make it easier for you to find what you need in one place. These links will take you and your students directly to Khan Academy and Pics4Learning. Khan Academy has a huge library of instructional videos on a wide range of curriculum topics. Great for students to review or to support you in your teaching. Pics4Learning is a site for pictures that are legal for school use. You don’t need to worry about breaking copyright because the pictures added to this collection are added specifically for use by teachers and students. We hope you find these links useful and continue to go to your Snap account for your resource needs.
Apply to Receive a CLRC Professional Development Award

If you are a member of O/H BOCES SLS, you are a member of CLRC. So this award is available for you to apply. CLRC is happy to provide awards to members for professional development opportunities. Awards are granted and paid to the institution, which is responsible for dispersing funds to the candidate. Awards are only available to CLRC member organizations. Candidates must submit their résumé and a letter of support from their supervisor. CLRC’s Professional Development Award is a pilot project. Requirements and rules may change as they learn the needs of the community.

Requirements:
- Candidates must be employed at an information organization that is a member of the Central New York Library Resources Council.
- Candidates must not have received an award from CLRC within the calendar year.
- Applications are accepted on a rolling basis, however applicants may only apply for an award once per opportunity/event.
- Awards will range in size, and are dependent on available funding. Frugality is encouraged and appreciated, but please be realistic in your estimates.
- CLRC may award the full amount requested or only a part. In either case, the applicant must use the award for the stated purpose.
- Funds will be provided on submission of receipts after the purchase or event takes place. For certain travel expenses, CLRC may be able to provide funding in advance or purchase directly.
- Receipts must be accompanied by a report detailing the benefits of the event or opportunity. Images and graphics are encouraged (including you at the event/opportunity).

Free Digital Storytelling Resource Kit

Digital storytelling helps students build important communication skills and develop connections to the content they are learning in the classroom. The Digital Storytelling Resource Kit can help you get started with:

- articles on digital storytelling in the classroom
- digital storytelling lesson plans from across the curriculum
- exciting student samples you can use to set expectations and get students on board!

The free downloadable resource kits include articles, samples and lesson plans to help you use creative technology tools to support learning.
"Spotlight on New York" eBooks Added to Elementary and Middle School Libraries

The Oneida/Herkimer BOCES School Library System and Media Services are pleased to announce the recent acquisition of the "Spotlight on New York" eBooks for all of their elementary and middle school libraries. Teachers and students can access this wonderful series by just going to their local OPAC and looking them up! Click on the link that will take you from your OPAC to the book and begin enjoying all the features that eBooks bring beyond the printed word.

New York is a state that is defined not only by its uniquely beautiful landscape, but by its rich and diverse people and its fascinating history. This comprehensive series provides a well-researched overview of the Empire State, including its geography, history and industries. Each book contains primary sources including maps, period paintings, and important documents. Readers also gain an insight into the personalities who played crucial roles in developing and defining all that is New York.

Series Review: Spotlight on New York

"A perfect way to jump start a Common Core focused collection of literary non-fiction. High value add-ons like voice actor text-to-speech, dynamic maps and timelines, and definitions make these books a great investment."
—Chris Harris, Genesee Valley BOCES, NY

Titles include:

- Leaders in Colonial New York
- The First Peoples of New York
- The Dutch Colony of New Netherland
- New York’s European Explorers
- The Government of New York
- New York’s Economic Growth
- New York in the New Nation
- New York in the American Revolution
- The Colony of New York
- Leaders of New York’s Industrial Growth
- New York’s Land and Resources
- The Peoples and Cultures of New York
- New York’s Erie Canal
- Strengthening Democracy

Summer Reading 2015 - Every Hero Has a Story

The school year may be coming to a close, but the reading doesn’t have to stop. Encourage your students to participate in the New York state summer reading program, Summer Reading at New York Libraries, through their local public library. This year’s theme is Every Hero Has a Story! Downloadable materials to encourage participation in the summer reading program are available here. Also available on this website is the 2015 School Library Partner manual to facilitate collaboration between school and public libraries. Fun activity ideas for all ages related to summer reading and heroes are available here and on their Pinterest boards. Follow along with news about Summer Reading at New York Libraries through their blog, Tumblr, and Facebook page.
Google Lit Trips for All Grade Levels

Google Lit Trips are free downloadable files that mark the journeys of characters from famous literature on the surface of Google Earth. At each location along the journey, there are placemarks with pop-up windows containing a variety of resources including relevant media, thought provoking discussion starters and links to supplementary information about “real world” references made in that particular portion of the story.

The focus is on creating engaging and relevant literary experiences for students. It’s like Google Lit Trips “3-dimensionalize” the reading experience by placing readers “inside the story” traveling alongside the characters; looking through the windshield of that old jalopy in The Grapes of Wrath or waddling alongside Mr. and Mrs. Mallard’s duckling family in Make Way for Ducklings.

Free Story Reading Online

Storyline Online is a collection of books read by actors that are free for all to enjoy. The actors read the story and the illustrations are shown with simplified animation.

Taken from the website: “Reading to children has been repeatedly shown to improve their reading, writing and communication skills, logical thinking, concentration and general academic aptitude ... as well as inspire a love of reading. The Screen Actors Guild Foundation records well-known actors reading children's books and makes graphically dynamic videos so that children around the world can be read to with just the click of a Storyline Online video book image. Many teachers play SAG Foundation's Storyline Online videos for their students. Doctors and nurses play Storyline Online videos for children in hospitals. And parents and children around the world watch Storyline Online videos millions of times every month. Learn more about SAG Foundation’s other literacy programs.

The story selections are from well-known books, which are delightfully read by a wide range of actors from Robert Guillaume and Betty White to Haylie Duff and Elijah Wood. The list of titles is growing but includes the following:


Click here to learn more!
In an effort to continue supporting elementary science education in the face of soon to be released new NYS Science Standards, OHM BOCES Science Center is actively working to update our Elementary Science Program so that it addresses the Next Generation Science Standards (NGSS), while simultaneously meeting the needs of the existing NYS Science Standards. Additionally, Common Core (CC) ELA & Math practices and themes are being infused where appropriate. The Next Generation of Science Kits are being developed in three phases (with three corresponding release dates) according to the scaffolded-grade level framework contained within the NGSS. The three phases are outlined according to science content areas, those areas being Physical Science (Fall ’15), Earth & Space Science (Winter ’16) and Life Science (Fall ’16).

The table below represents the NGSS kit titles at each grade level for each content area as well as the existing NYS standards begin addressed and the CC-ELA tie-in themes.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Life Science</th>
<th>Physical Science</th>
<th>Earth and Space</th>
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</thead>
<tbody>
<tr>
<td>K</td>
<td>• Ecosystems (NGSS) (CC: Plants) (CC: Farms) (CC: Taking Care of Earth)** (NYS: 1.1a, 1.1b, 1.2a, 3.1c, 5.1b, 5.2e, 5.2f, 5.2g, 6.1a, 6.1b, 6.1c, 7.1a, 7.1b, 7.1c)</td>
<td>• Forces &amp; Motion (NGSS) (NYS: 5.1a, 5.1b, 5.1f)</td>
<td>• Weather &amp; Climate (NGSS) (CC: Seasons &amp; Weather) (NYS: 1.1a, 1.1c, 2.1a, 2.1b, 2.1e, 3.1g, 3.2b, 4.1b, 4.1c, 4.2a)</td>
</tr>
<tr>
<td>1st</td>
<td>• Animals &amp; Habitats (NGSS) (CC: Animal &amp; Habitats) (NYS: 1.1a, 1.1b, 3.1c, 5.1b, 5.2d, 5.2e, 5.2f, 5.2g, 6.1e)</td>
<td>• Light &amp; Sound (NGSS) (NYS: 4.1a, 4.1b, 4.1d, 4.1g)</td>
<td>• Our Sun &amp; the Night Sky (NGSS) (CC: Astronomy) (NYS: 1.1a, 1.1b, 1.1c, 5.1a, 5.1c, 5.1e)</td>
</tr>
<tr>
<td>2nd</td>
<td>• Animal-Plant Relationships (NGSS: 2-LS2-1, 2-LS2-2) (CC: Cycles in nature seasons and life) (NYS: 3.1c, 5.2a, 5.2g, 6.1a, 6.1b, 6.1c, 6.1e, 6.2a, 6.2b)</td>
<td>• Physical Nature of Matter (NGSS) (NYS: 3.1a, 3.1b, 3.1c, 3.1e, 3.2f, 3.2c)</td>
<td>• The Dynamic Earth (NGSS) (CC: History of Earth 1st grade**) (NYS: 2.1d, 2.1e, 3.2a, 3.2b)</td>
</tr>
<tr>
<td>3rd</td>
<td>• Ancestry &amp; Survival (NGSS: CC: adaptations) (CC: Frogs) (NYS: 3.1c, 5.2a, 5.2b, 5.2d, 5.2e, 5.2f, 5.2g, 6.1e, 6.1f, 7.1a, 7.1b, 7.1c)</td>
<td>• Forces, Motion &amp; Magnetism (NGSS) (NYS: 3.1a, 3.1c, 5.2a, 5.2b, 5.2d, 5.3b, 4.1b, 5.1a, 5.1b)</td>
<td>• Global Climate (NGSS) (CC: Role of water) (NYS: 1.1a, 2.1a, 2.1b, 2.1e)</td>
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<tr>
<td>4th</td>
<td>• Life Structures &amp; Function (NGSS: CC: animal defense mechanisms) (NYS: 3.1a, 3.1b)</td>
<td>• Energy &amp; Information (NGSS) (NYS: 4.1a, 4.1b, 4.1c, 4.1d, 4.1f, 4.1g, 4.2a, 4.2b)</td>
<td>• Shaping the Earth (NGSS) (NYS: 2.1d, 2.1e)</td>
</tr>
<tr>
<td>5th</td>
<td>• The Energy of Life (NGSS: Biodiversity in the Northeast) (NYS: 5.1c, 5.1d, 5.1e, 5.2a, 6.1a, 6.1b, 6.1c, 6.2a, 6.2b, 6.2c)</td>
<td>• Matter &amp; Change (NGSS) (NYS: 3.1a, 3.1b, 3.1g, 3.2a, 3.2c, 3.2e, 3.3a)</td>
<td>• Earth’s Systems (NGSS) (CC: Natural Resources) (CC: Natural Disasters)** (NYS: 2.1a, 2.1b, 2.1c, 2.1d, 2.1e, 2.1g, 2.1h, 2.1i, 2.1j, 2.2i, 2.2j, 2.2k)</td>
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During the upcoming transition period, schools will have the option to continue using existing kits or elect to use a new “beta” Next Generation Science Kit. Training on use of new kits will be available for physical science kits during the summer and fall of 2015.
The National Research Council’s (NRC) Framework describes a vision of what it means to be proficient in science; it rests on a view of science as both a body of knowledge and an evidence-based, model and theory building enterprise that continually extends, refines and revises knowledge. It presents three dimensions that will be combined to form each standard:

**Dimension 1: Practices**
The practices describe behaviors that scientists engage in as they investigate and build models and theories about the natural world and the key set of engineering practices that engineers use as they design and build models and systems. Although engineering design is similar to scientific inquiry, there are significant differences. For example, scientific inquiry involves the formulation of a question that can be answered through investigation, while engineering design involves the formulation of a problem that can be solved through design. Strengthening the engineering aspects of the Next Generation Science Standards will clarify for students the relevance of science, technology, engineering and mathematics (the four STEM fields) to everyday life.

**Dimension 2: Crosscutting Concepts**
Crosscutting concepts have application across all domains of science. As such, they are a way of linking the different domains of science. They include: patterns, similarity and diversity; cause and effect; scale, proportion and quantity; systems and system models; energy and matter; structure and function; stability and change. The framework emphasizes that these concepts need to be made explicit for students because they provide an organizational schema for interrelating knowledge from various science fields into a coherent and scientifically-based view of the world.

**Dimension 3: Disciplinary Core Ideas**
Disciplinary core ideas have the power to focus K–12 science curriculum, instruction and assessments on the most important aspects of science. To be considered core, the ideas should meet at least two of the following criteria and ideally all four:

- Have broad importance across multiple sciences or engineering disciplines or be a key organizing concept of a single discipline.
- Provide a key tool for understanding or investigating more complex ideas and solving problems.
- Relate to the interests and life experiences of students or be connected to societal or personal concerns that require scientific or technological knowledge.
- Be teachable and learnable over multiple grades at increasing levels of depth and sophistication.

Disciplinary ideas are grouped in four domains: the physical sciences; the life sciences; the earth and space sciences; and engineering, technology and applications of science.