

GREATER SOUTHERN TIER



LEARNING NETWORK

Business, Education & Community: joining forces to build regional capacity in Science, Technology, Engineering & Math

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District Spotlight: Ernie Davis Academy

As educators, victory is to witness the 'light bulb moment' for our students. We celebrate those moments and marvel at the possibilities ahead for our youth. And the victory of understanding is much more meaningful when students put together the tools and discover knowledge on their own or in a collaborative group.

This is exactly the goal of Mr. Puleo's Design and Draw for Production class at Ernie Davis Academy in Elmira. Students spend their semester with a focus on design, using 21st century technology as a tool for conceptualizing their ideas. The class is project-based, presenting students with challenges to problem solve. Using advanced design software on the computer, paired with 3-D printing for prototyping and traditional shop tools, students are experiencing technology and innovation in a real, hands-on way. This curricula is a model for understanding a potential career path in manufacturing.

Manufacturing Day at Ernie Davis Academy is a culminating activity for students. The class hosted two engineers from the Hilliard Corporation, who offered 90 minutes of career track education in the field of manufacturing. Students learned that manufacturing in the United States is a vital sector and they could offer a global impact from their hometown of Elmira.



Ernie Davis students interacted with Hilliard engineers during Manufacturing Day.

Register now!

Registration is now open for the 2019 Greater Southern Tier Region's Summer STEM Academy on July 23!

Registration can be found at <https://www.gstsln.net/events> and will remain open until Sunday, July 7.

The day will include information on using kinesthetic for math instruction, NGSS conceptual mapping, coding, virtual reality, flipping your science classroom and much more. You would be reimbursed at the In-Service rate for the day and breakfast and lunch will be provided. This is a great day to do some professional learning while connecting with education and business colleagues from around the region.

Data corner

GST surpasses state average for students earning RAD!

The percentage of students within the GST BOCES region earning a Regents Diploma with Advanced Designation Aspirational Performance Measure after Four Years of School increased by seven percent. At the same time, the percentage of students across the state increased by only two percent. Advanced Designation requires 22 units of credit, passing seven to nine Regents examinations with 65 or above, and the advanced course sequences in languages other than English, CTE or the arts.

Science & Discovery Center partners with schools

The Regional Science & Discovery Center (SDC) partners with school districts within GST BOCES to bring curriculum-driven science lessons selected by teachers and administrators to classes in pre-K through grade 8. Students participate in hands-on STEM activities for a unique experience in their own classroom or on the Mobile Science Lab.

For more information about the Science & Discovery Center services, email Executive Director Lisa Gibson at lisa@stny.rr.com or visit www.sciencediscoverycenter.org.



Make a plan to unplug for the summer

Summer is coming; the days will be longer and the nights warmer. Fond memories recall summer nights spent with neighbor kids playing hide and seek, kickball or Red Rover well past sunset. The fun usually ended when moms called us in for the night. Will your summer involve getting outside, camping in the backyard or playing with your friends? Too many of us are tied to our devices and spend hours in front of a screen, living a virtual existence. **How about planning some time to unplug from technology this summer?**

UNPLUGGING THIS SUMMER

Many parents are concerned about their teens spending too much time online and on their devices. Here's what the data says:

Results of a 2016 Common Sense Media Report found

- 50 percent of teens "feel addicted" to mobile devices
- while 59 percent of parents surveyed believe that kids are addicted to their devices
- 72 percent of teens and 48 percent of parents feel the need to immediately respond to texts, social-networking messages, and other notifications
- 69 percent of parents and 78 percent of teens check their devices at least hourly

A 2018 Pew Research Report showed

- 45 percent of teens said they use the Internet "almost constantly,"
- Another 44 percent said they go online several times a day
- 50 percent of teenage girls are "near-constant" online users, compared to 39 percent of teenage boys
- 95 percent of teens have access to a smartphone

Source: <https://www.psycom.net/cell-phone-internet-addiction> or <http://go.gstric.org/210-psycom>

Here are a few suggestions for limiting our kids' screen time during the summer:

Sign them up for summer camps	Do family activities together	Be a role model	Set time limits
It's not too late! One of the best ways to "win" the fight about screen time is to not have it in the first place. When kids are at some activity camp, they will naturally be engaged in enjoyable activities that focus their attention. Hopefully, at the same time, they are learning that great fun can be had, and friendships forged off the screen.	Take your kids bowling, play putt-putt, go hiking, try kayaking, do family board game night ... try new things! You might need to plan so that you have options ready. Your kids will learn that there are many fun activities IRL (in real life). Also, we are modeling curiosity and an openness to new experiences.	We must practice what we preach and be a positive role model for our kids. If we are on the screen frequently, even if it is mainly for work, our kids pick up on that. Then setting limits on their screen time doesn't hold much weight. We can't ask them to do things that we are unwilling to do.	Screens cannot be turned on before a certain time in the morning and must be turned off by a certain time at night. Also, it is a good idea to set a limit for how much screen time is allowed per day. While there is debate about how much is too much, a ballpark figure would be about 2-3 hours of screen time per day.