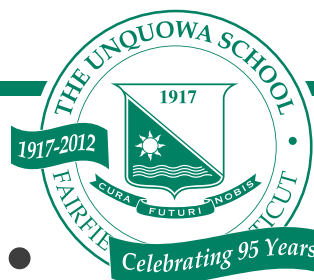


About U.S.



A Publishing Tradition
of The Unquowa School

A Message From the Head of School

On a recent fall afternoon, I left my desk, pulled on my Wellies and joined our sixth grade science class as they took a jaunt through our woods and convened class on the bank of the Horse Tavern Brook. Their class, you see, had begun to study water erosion and they were about to examine in person what they had read about in their text, seen in examples on the Smart Board, and discussed with their teacher, Mr. Knebel. Water's power to erode banks is both impressive and destructive, and they were about to see its damage as the beginning of a challenging project that would try to stop it.

Once at the point on the bank where rushing water met still, students made their way cautiously down the bank and into the water, armed with clipboards, and listened for a few minutes as Mr. Knebel pointed out the difference in the degree of erosion of parts of the left and right banks and allowed kids to make guesses as to why that might be. That was when the clipboards and drawing pads came into play. Mr. Knebel asked each student to spend some time drawing, not writing about, but *drawing*, a portion of the bank, looking carefully to make sure they were drawing what they actually saw. Was the bank slanted out or in and, if so, how deeply was it cut away? Were tree roots exposed and, if so, was the tree leaning towards the water? Had homeowners tried to support the banks artificially and if so, what positive or negative impact had their efforts had?

Encouraging students to use their visual art skills in the realm of other academic subjects to observe carefully and then to document thoroughly engages them in critical thinking in a way that connects with and deepens the understanding they gain through the more conventional pathways of learning such as reading, writing and discussion. Whether through careful drawing, photography or filming, visual documentation adds a dimension of understanding to a student's thought process and provides a layer of assessment of their knowledge. Just as we know that one of the reasons for writing

is to discover what one knows, in the academic sphere drawing to discover what one knows can be equally powerful and can provide a complementary record for kids of what they think and understand.

On a recent walk through our school, I stopped by kindergarten to see what everyone was up to. Kids were deeply involved in their work - some in groups of two or three, some alone. When one child noticed me peeking into their terrarium, she and a friend quickly came over to tell me about the caterpillars in it — what kind of leaf

they were on when the children found them in our school garden and how they had changed in color or begun to cocoon since then. As we talked, their teacher, Mrs. Barbutto, brought out one of their science journals to show me the observational drawings her students had done, one of which was a "small, medium, large" math project where her students drew all three stages of the caterpillars. Photos of yellow swallowtails in various stages hung on the wall above the terrarium - photos that the children could confirm as similar to the caterpillars they'd found in our school garden after they spent time closely seeing and visually documenting their characteristics.

Images often unlock or clarify understanding that children are not yet ready to put into words or that amplify and extend the science vocabulary they do have. When our first graders study sedimentary rock, one of their assessments is to create a collage from bits of paper that have been

washed in the colors of the rocks they study. I can't help but think that when these students reach sixth grade and enter Tory's Cave - one of their earliest earth science field experiences of the year - their minds will harken back to that visual arts project from first grade and a mental "click" will happen. STEM: that is, science, technology, engineering and math, is an important acronym in the world of today's education. Bringing the visual art to this important group of disciplines does not just change its acronym to STEAM, it adds power to a young person's academic understanding that words alone cannot.



How large is a whale? PreK-4 children use chalk to draw a life sized version to find out.

Sharon Lauer, Head of School

Celebrating 95 Years

This fall marks The Unquowa School's 95th year of educating children and we hope you will join us in celebrating this milestone. Throughout the school year we will be putting a 95th twist on some of our traditional events and adding a few new and special opportunities for our community to celebrate together.

Winter Festival Alumni Reception Thursday, December 20

Open to all Unquowa alums

Come to the reception at 5:30 p.m. in the library and then enjoy the show from the reserved alumni section

Unquowa Community Read January 7 through April 18

Open to all adults in the Unquowa community

Book selection to be announced on January 7

Discussion and reception at Unquowa on April 18

Master Classes with Unquowa Faculty Thursday, February 7

Open to all alumni and current and former parents

This is your chance to be an Unquowa student

We are showing off Unquowa's best asset, its teachers!

Sign up for two classes and enjoy a light reception

A list of class offerings and information coming soon.

1950-1959 Reunion Friday, May 10 & Saturday, May 11

Calling all alumni from the fifties!

Tour the school in the early afternoon on Friday while classes are in session and return that night for a Farm-to-Fork dinner in the Unquowa dining room.

On Saturday join us for brunch, tours and a Q & A session with Sharon Lauer and members of the Unquowa Board of Governors.

Watch for invitations and come for one day or both!

Check the Unquowa website for further details about these events. Emails will also be sent closer to the date of each event, so please make sure we have your correct email address by contacting either kate.haviland@unquowa.org or chriss.gombos@unquowa.org.

New Faculty & Staff



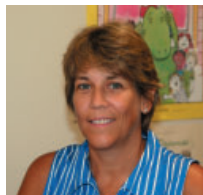
Yajuan Zhang



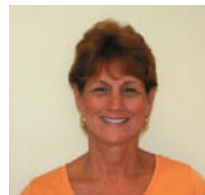
Isabel Tapia



Amanda Spinelli



Tracy Hintz



Laura Bivona



Mary Beth Lane



Robert Brennan



Cameron
Ross-MacCormack



Tom Drago

The Unquowa community has grown this fall to include many new faculty and staff.

Isabel Tapia teaches Pre-K 3 through fourth grade Spanish, as well as Upper School part-time Spanish. Isabel holds a BS from Polytechnic University in Ecuador, ESL certification from Yale and is completing a Master's in World Languages and Literature at Southern CT University. **Yajuan Zhang** joins us from the Chinese School of CT and is expanding our Mandarin through fourth grade in parity with our Spanish program. **Amanda Spinelli** spent last year with us as she finished her Master's at Fairfield University and now teaches fifth and sixth grade social studies and language arts. Amanda has also joined our coaching staff. Our new librarian, **Tracy Hintz**, is completing her Master's in library science at Fairfield University and has worked in school libraries for four years. Tracy brings a 21st century learning perspective to our library program. **Cameron Ross-MacCormack** is our new second grade teacher. He has worked with both early elementary and high school students and has his Master's in Teaching from Roger Williams University. Cameron is also joining our coaching staff and will work with us as we refine Unquowa's social and academic practices with respect to multi-cultural understanding. Our new first grade teaching assistant, **Robert Brennan**, comes to us most recently from the Lindamood Bell language program. Bobby has his BA from Elon University, completed a fifth-year teaching internship at Sacred Heart and has TESOL/TEFL certification to allow him to support students in Spanish as well as English. He has also joined our coaching staff. **Tom Drago** is our new assistant chef and brings a wealth of culinary experience and tasty recipes to our farm-to-fork dining program. As our new nurse, **Laura Bivona** is at school four days a week and has quickly gotten to know all our children. **Mary Beth Lane**, our new P.E. teacher is a graduate of Northeastern University and former coach and teacher at Wakeman Boys and Girls Club. She was a college athlete (basketball and soccer) and has a background in health and nutrition as well.

Phase 2 of Campus Improvement Projects Complete

The transformation is truly amazing!

In a year when Unquowa reached its enrollment goal and the school is at capacity, using every inch of space is more important than ever. The expansion of one the fifth grade classrooms and the Upper School science lab could not have come at a better time for our students!

As leadership donors on this project, Joan and Steve Panagos were able to “name” the science lab and they chose to honor “Sharon Lauer, in support of her goal to instill curiosity and a love of learning in our children”. Understanding the importance of “learning by doing”, the Newmans’ Own Foundation and the Green Family Foundation gave generous grants to improve the flexibility, functionality and size of these academic spaces. A gift from the Unquowa Parents’ Association supported the purchase of three large curricular tanks for our students in the science lab.



Of course, these projects could not have happened without significant support from Unquowa’s broader community of parents, alumni, past families and grandparents who have already made a commitment to The Campaign for Unquowa. Thank you!

If you have not yet joined us, there are more transformational projects in the coming phases of the campaign that will only happen with your support.



Watch our progress and make your 3-year campaign pledge today!
Contact Kate Haviland in the Development Office or go to www.unquowa.org/the-campaign

Science Competition

A team of Unquowa eighth grade girls went to Lauralton Hall High School this fall to compete in their annual Science Olympics. The team finished in second place in the eighth grade competition. Congratulations to Unquowa’s team of **Grace Haviland, Abby Knopf, Annie Lyn Sheketoff, and Lily Stumpf**, pictured below with science teacher, **Craig Knebel**. Over 20 teams from area middle schools completed challenges to test their science skills and knowledge in the fields of earth, life and physical science.

Craig Knebel, Upper School Science Teacher



Learning with iPads

It’s hard to imagine that only ten years ago, the thought of being able to record, edit and publish a video with one piece of equipment was impossible. Now, with new technology, this is a reality that this year’s eighth grade is learning to use! With the school’s new iPads, they have been creating their own videos by recording a short conversation in segments and then editing the footage. This short project has sparked good conversations about the filmmaking process. With this type of technology, there is no better way to approach it than by doing it! This year’s eighth grade speeches will be recorded and edited by the students in a news style format. We look forward to seeing the end results!

*Lloyd Mitchell,
Technology
Coordinator*



Summer at Unquowa

Even with all the construction on our campus this summer Unquowa was busy with activities. At the Unquowa Farm Camp our Sweet Peas, PreK-4 and kindergarten campers enjoyed working in our on-campus curricular gardens, while our older campers spent each morning working with Patty Popp at Sport Hill Farm in Easton. All of our young farmers enjoyed doing science activities, art projects and cooking classes with an environmental and nutritional focus.

Our partnership with Chamber Music Central continued this year and their campers filled our halls with music. Finally, a number of Unquowa students also participated in our week long Basketball Clinic and our Robo Workshop.



Welcome Progressive Education Lab (PEL) Fellows

We are excited to welcome our first fellows ("PELlows") to Unquowa in October. In the first year of their fellowship, they will spend two months at each of the four schools in the PEL program - Cambridge School of Weston (CSW), The Putney School, The Calhoun School and The Unquowa School. We are excited about the time they will spend working with our students and teachers and immersing themselves in our classrooms and learning about our Museum Collaboration.



Sam Egilman is from Foxboro, MA and is a graduate of CSW and Skidmore College. While at Unquowa, Sam's mentor will be PreK-4 and Mandarin teacher Teresa Hsaio. Much of his time will be spent with our youngest students in our Early Childhood program.



Hallie Herz is from Damariscotta, ME and is a graduate of The Putney School and Bates College where she studied Theater and English. Hallie will work closely with her mentor, Upper School English teacher, Michelle Lamb, in our language arts program.



Dana Wolfson is from Florence, MA and graduated from Bennington College where she focused on Environmental Studies and Visual Arts. Environmental Science teacher, Mary Curran, will mentor Dana as she works in our environmental curriculum and with our other science faculty.



Aspen Golann is from Boston, MA and is a graduate of CSW and Kenyon College, and has also studied art at Mass Art and the Rhode Island School of Design. Aspen's mentor will be Lower School art teacher, Alice Desgranges, and she will spend much of her time in our art program working with students in every grade.

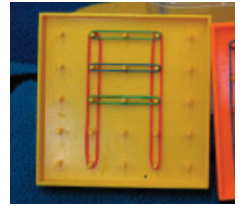
Mandarin Characters



Our kindergarten students have been learning about how some written Chinese characters are derived from pictures of objects we see every day by studying the characters for “moon” and “month” and practicing making them using rubber bands on pegboards. To hit home the point, our students were invited to invent their own Chinese characters.

In addition, like millions of Chinese children around the world, Unquowa’s kindergarteners also practiced writing the characters over and over and over and over again to imprint the written forms into their long-term memory. Unlike some Chinese language learners, our star students practiced writing their characters diligently and with smiles!

Teresa Hsiao, PreK-4 & Mandarin Teacher



The Mandarin character for “moon” or “month”

Fifth Grade Makes Growing Observations

The fifth grade started an ambitious grow lab experiment! Working in pairs, students were given three cups containing seeds A, B and C and were not told what type of seeds they were working with. They planted three sets of each seed and placed them on each of the three



levels of our indoor grow lab. For almost two months the top tray will receive 12 hours of light daily, the middle tray 6 hours and the bottom tray’s lights will never be turned on. Taking the size and shape of each seed into consideration, students formed hypotheses about how the conditions will impact the growth of each plant.

Students will record their daily observations and take measurements of any changes. When the observation is complete, students will enter their data into a spread sheet and create charts and graphs comparing the plant growth. After determining which conditions produce the highest percentage of growth, students will identify the mystery seeds they planted using images of different plants as reference.

Mary Faulkner, Fifth Grade Teacher

Drama Games



Performing Arts classes are off to a great start this year. The PreK-4 students have been singing, dancing, and using their imaginations! They enjoy playing drama games to spark their imaginations and using their bodies and faces for dramatic expression. Here you see them doing a great job pretending to be dinosaur statues.

Alyson Cahill, Performing Arts Teacher

Planting Around the Scoreboard



Our Brownie troop, girls in grades 1, 2 and 3, did a spectacular job planting perennials around our scoreboard. They purchased the plants and bushes to beautify our campus with money they raised last year. Thank you to the Brownies for a job well done!

Founders' Day 2012

We had a glorious day of blue skies and sunshine for our Founders' Day celebration!

The Unquowa community came together in record numbers to celebrate Unquowa's 95th year with a farm-to-fork BBQ, live music, fun activities and an afternoon of visiting with friends. Thanks to the Unquowa Parents Association, the air was filled with great music by the band Bone Dry. Chefs David and Tommy and their crew cooked up a storm and fed everyone a delicious lunch. As always, our eighth graders provided lots of games and activities for the younger kids and offered a yummy collection of treats at their bake sale. The moon bounce was a big hit!

One of the highlights of the afternoon was the official opening of our newly renovated and expanded science lab. Head of School Sharon Lauer, Board President Mark Greenawalt and lead donors on the project, Steve and Joan Panagos, spoke from the window of the new greenhouse area and used an enormous pair of scissors to cut the ribbon. Led by student tour guides, parents and alums toured the new spaces and were amazed by the transformation. These renovations were all part of Phase 2 of The Campaign for Unquowa and happened only with the generous support of so many members of our community.

Even as the band packed up, the last of the burgers and cookies were eaten and the final pumpkins and faces were painted, people lingered in the sunshine. It was a truly wonderful day.





Annual Fund

We write to request your support for the Unquowa Annual Fund. Unquowa is a great school where kids get a great education from great teachers. It is also a great community where a diverse group of kids and families all work together to reach excellence in academics while achieving parallel social goals that make our kids exemplary students and classmates. Kids love to go to school at Unquowa and Unquowa is school the way school is supposed to be.

Simply put, the Annual Fund supports the school's operating budget. Along with tuition and careful fiscal oversight, the Annual Fund is a key component of Unquowa's financial strength.

Our goal is to have 100% participation from the Unquowa community now. Your gift is tax deductible and making a pledge or gift is easy – return the pledge envelope to the school, or go to the “Annual Giving” section of the Unquowa website to give online. Please consider how special this small school is and make a gift that feels meaningful to your family. No amount is too small and every gift is greatly appreciated. Please join us. Thank you.

Lisa and Fred Knopf

Starting this fall ... Prizes for Participation!

Each family in the grade first to reach 100% participation in the 2012 Annual Fund will receive **2 SEATS IN A RESERVED SECTION** at Winter Festival!

Pledges count as participation and you have until June 30, 2013 to fulfill them. Join us by giving or pledging NOW and help your child's grade hit 100%! More prizes to follow in the year. In November, track each grade's progress in our new Annual Giving section of the website.

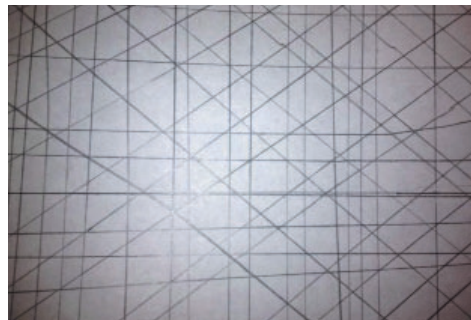
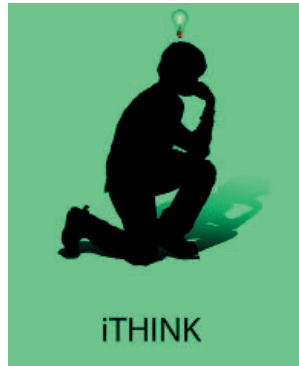
Visual Arts

The beginning of the school year has seen kids in all grades buzzing around the art room. From the littlest artists to the seasoned veterans, the momentum and inspiration that came in with the cool fall air has yet to let up. The Lower School students began by exploring the elements of art and working on a variety of projects that involve color, line, shape, texture, light, and space. The PreK-4 class discovered different textures while making ties for Mr. Doug and Mr. Bob, while in third grade the students looked at



types of lines through their study of architecture and the Brooklyn Bridge. Seventh and eighth graders have been exploring the island of Bali through batik and mask making, and fifth graders traveled back in time to study the cave paintings at Lascaux before creating their own through etching and printing. The sixth graders ventured out into the woods to create environmental installations after learning about the ephemeral work of Andy Goldsworthy, and transformed themselves into their own iPod ads in graphic design. We're looking forward to the coming months in art, especially the Winter Festival season, which will bring with it a focus on Medieval themes and well-loved projects such as tinfoil knights and stained glass windows.

Krissy Ponden and Alice DesGranges, Art Teachers

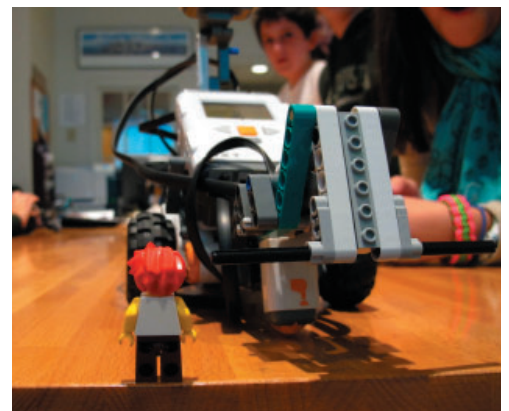


Robotics

Upper School students are hard at work exploring the in's and out's of their robots. Sixth graders are studying how to apply simple math concepts to help make their robots travel more accurately. One of the challenges to the sixth graders was to program their robot to stop as close as possible to a Lego™ person who was placed at the end of a table

without knocking it off. While several groups came close, the closest was $\frac{3}{4}$ of a cm.

Seventh graders are reviewing skills from last year before digging into more complex programming and engineering with robots. Their first challenge involved programming their robot to touch all four walls of a contained box without any assistance from human hands. These challenges are helping to prepare those students who will be joining us this year at the Robo Expo being hosted by Unquowa in October.



Lloyd Mitchell, Technology Coordinator

Fall Sports Update



With record numbers of soccer and field hockey players, our sports season is off to a wet, but exciting start.

The **Girls' Field Hockey** team is the strongest we have had in years and they have been in many hard fought games. Our **White Varsity Soccer** team has yet to lose a game and we get excellent contributions from all of our players. The **Green Varsity Soccer** team is a gritty group that has competed with the best teams other schools have to offer. If you haven't been to a **JV Soccer** game yet, you are missing the most exciting and pumped up squads we have ever had.

Finally, thanks to all of our fans for coming out and cheering us on our games! Go Gators!

Al Boccamazzo, Athletics Director



Ready, Set, Lift

The first and second graders eyes lit up at the sight of the larger than life parachute spread out on the soccer field. The vibrant colors glistened in the early morning sunshine and they could not wait to take their place around the enormous parachute.

This year we have reintroduced the parachute to our physical education curriculum. The benefits to incorporating the parachute into our program are plentiful. While playing such games as Popcorn, Making Waves and Ball Roll, the students are learning valuable team work skills and the importance of communication with their peers.

The non-competitive parachute exercises also strengthen the upper torso, refine perceptual skills, reinforce turn taking/sharing and develop a sense of rhythm the students can follow.

*Mary Beth Lane
PE Teacher*



**How many classroom
blog posts do you think
have been made on the
school's website by
Unquowa teachers?**

Answer on page 11

From the UPA

By now we hope you and your families have settled into the new school year. I am so excited by the energy around the school and to see so many returning and new families getting involved. We are looking forward to a number of UPA events and new projects.

In October, the socials for the Upper School and grades 4 and 5 were both great successes thanks to the efforts of our parents, faculty and staff.

On **November 10** we will have our first fundraiser of the year - a **Wine Tasting**. Unquowa parents and friends can enjoy the opportunity to sample and purchase some very special wines from around the world.

Mark your calendars and plan to do some shopping at our **Book Fair** on **Saturday, December 1**. The book fair will be held at Barnes & Noble in Westport but you will be able to support Unquowa by shopping in any Barnes & Noble or online on December 1 using Unquowa's Book Fair code **10885382**.

This year we have changed the vintage uniform sale to an exchange. Once a month parents will have the opportunity to bring in or take gently used dress code clothing. Those items that are left will be donated to a local school each month. In October we gave the Luis Munoz Marin School in Bridgeport many bags of our gently used clothing. They were extremely grateful and said that many of their families will benefit.

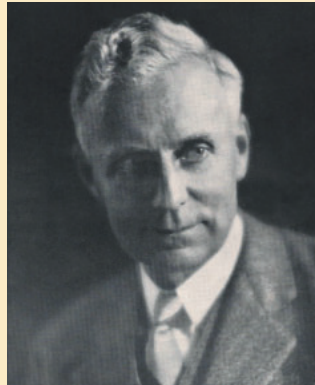
Thank you to all the volunteers who make these events possible. We couldn't do it without you! Please consider volunteering if you haven't already. There are many ways to help and any amount of time or talent is welcome.

Mindee Blanco, UPA President

Save the Date:

Please note our annual **Auction will be held on Saturday, May 4**. This year's event will be held at the Fairfield Museum and History Center, a member of our Museum Collaboration.

Introducing Carl Churchill Planned Giving Society



In establishing Unquowa's planned giving society, it was clear that it had to be named for the school's longest sitting headmaster, Carl Churchill, whose tenure from 1920-1940 laid the foundation for our school's progressive philosophy and whose legacy is remembered to this day.

Mr. Churchill understood and put in place at Unquowa the progressive education model of learning by doing. He emphasized the counter-intuitive notion that parents should not save their money for boarding school and college but rather spend it on the early years of their child's education "to induce the habit of mental exploration, discovery and achievement" that would serve them through life.

He was dedicated to helping Unquowa's children build the habits of mind that would give them the foundation to become life long learners. It is only fitting that his legacy now grow to include The Carl Churchill Planned Giving Society to encourage members of the Unquowa community to create their own legacy at the school by supporting and strengthening the school's foundation for the future.

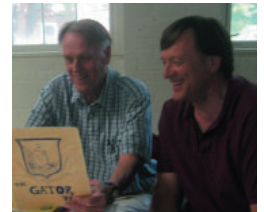
Planned giving is a unique, long-term, directed giving strategy that can benefit both the donor, their heirs and the school for years to come. As with all giving to the school, planned gifts can be directed by the donor towards a specific area of interest or can be made unrestricted for the school's leadership to determine where it is needed most.

There are many planned giving vehicles. To learn more about those available at Unquowa, go to the Annual Giving section of our website (www.unquowa.org) or call Kate Haviland in our Development Office at 203-336-9091.

Alumni News

Richard McKinley, former Head of School 1979-1987, and his son Richard McKinley IV, visited Unquowa this summer during a trip from California.

Mr. McKinley's late wife, **Alexandra Barrett McKinley**, was a teacher at Unquowa during his tenure at the school and she was the creative visionary who established one of our school's



most treasured traditions — Winter Festival. Sadly, she passed away in 2011. But her legacy lives on at Unquowa each year when every student participates in this magical school-wide production.

During his visit, Mr. McKinley and his son toured the school, enjoyed a farm-to-fork lunch, looked at old yearbooks and shared stories about the time he and his wife spent at Unquowa.

From the kitchen curricular gardens and new playing field to the



technology lab and the renovations to the science lab, Mr. McKinley seemed pleased to learn about the progress made in programming, curriculum and our small campus. In fact, like Sharon Lauer, during his years of leading the school he was involved in everything, so he even asked to visit the cellar in order to show her how the old furnace used to be configured (see below)!



Alumni News

Bill Shelton, '55 and his wife stopped by during a recent visit to Connecticut. They enjoyed exploring the school and catching up with Sharon Lauer.



Bill studied finance at Stetson University and then spent two years in Afghanistan as an early member of the Peace Corp. After thirty two years in government as the Deputy Assistant Secretary in both the Dept. of Veteran Affairs and the Dept. of Health and Human Services, Bill is now happily retired.

The Sheltons split their time between their homes in Maryland, Florida and Pennsylvania. In Maryland, Bill serves on the Board of the regional Boy Scouts organization. During the winter months in Florida, Bill helps to coordinate a program of volunteers who provide free tax preparations. They are looking forward to returning to Unquowa in May for the fifties reunion.



Olivia Albenze '12, Michael Proto '12 and Katherine Halas '11 came back to watch their younger siblings play in a recent field hockey game. Olivia is a freshman at Fairfield Ludlowe High School where she is playing on the volleyball team. Michael is a freshman at Amity High School and Katherine is in her sophomore year at Hopkins School.

Katy Reed, Unquowa kindergartener from the 1970s, has moved back to the area with her young son after living in New York City and London. Katy is a development professional and has worked at numerous museums and academic institutions including the Victoria and Albert Museum in London and The Smithsonian Institution's Cooper-Hewitt National Design Museum in New York.



Katy has fond memories of the short time she and her brother, **Mick Reed**, spent in kindergarten at Unquowa and was eager to come back and see her old classroom during a recent visit.



Melissa Barnes '57, and her husband Paul, had a great time at Founders' Day 2012. Their grandson, Julian, began at Unquowa in kindergarten last year and is now enjoying first grade. Melissa and her husband live in Fairfield and she is hoping to come to the fifties reunion in May.

IQ answer: 1,357

Check out these fantastic classroom updates and photos at www.unquowa.org/classrooms/

*Annual Meeting
November 8, 2012
View the 2011-2012
Annual Report
at www.unquowa.org*

1950-1959 Reunion Save The Date

Calling all alumni from the decade of the fifties!

Friday, May 10 & Saturday, May 11

Friday - Tour the school in the afternoon while classes are in session and then return to the Unquowa dining room for a farm-to-fork dinner that evening with your Unquowa classmates

Saturday - Enjoy brunch with fellow alums, tour the school and join Sharon Lauer and a few members of the Board for a Q & A session.

Invitations will be sent out soon from alums on the organizing committee, but mark your calendars now!



Jonathan Konecny '12, is a freshman at Fairfield Prep where he is having a great time playing football and is happily settling into his classes.



Jaeden McKenzie '12, is enjoying her freshman year at The Harvey School. She loves her honors physics and math classes and is playing on the school soccer team. Jaeden visited Unquowa to see her former teachers and is pictured here with Social Studies teacher Amanda Spinelli.



THE UNQUOWA SCHOOL

981 Stratfield Road, Fairfield, CT 06825-1697

*Cura Futuri Nobis ~
The Future is in Our Care*

Founders' Day Figuring

We are celebrating Unquowa's 95th year in many ways...including mathematically! The students are working on a version of this puzzle that goes all the way through 95...a bow to Unquowa's birthday. While we could only fit the first 27 years in print here, we encourage you to challenge yourself to join our students in working all the way up to 95. Good luck!

Lisa Haseltine, Upper School Math Teacher

Use all four numbers 1, 9, 1, 7 and the operations $+$, $-$, \times , \div , $()$ parentheses, $\sqrt{\quad}$ square root, $!$ factorial, decimal point, or exponents to create expressions equal to each of the numbers from 1 to 95.

1= $(7+1+1)/9$	2= $9-7-1+1$	3= $9-7^1+1$
4= $9-7+1+1$	5= $7-1-1^9$	6= 7^1-1^9
7=	8=	9=
10=	11=	12=
13=	14=	15=
16=	17=	18=
19=	20=	21=
22=	23=	24=
25=	26=	27=

Note: Concatenation (for example, placing 7 and 9 next to each to make 79) is not permitted.

Congratulations if you get this far! Can you keep going to 95?