

A LOOK INSIDE

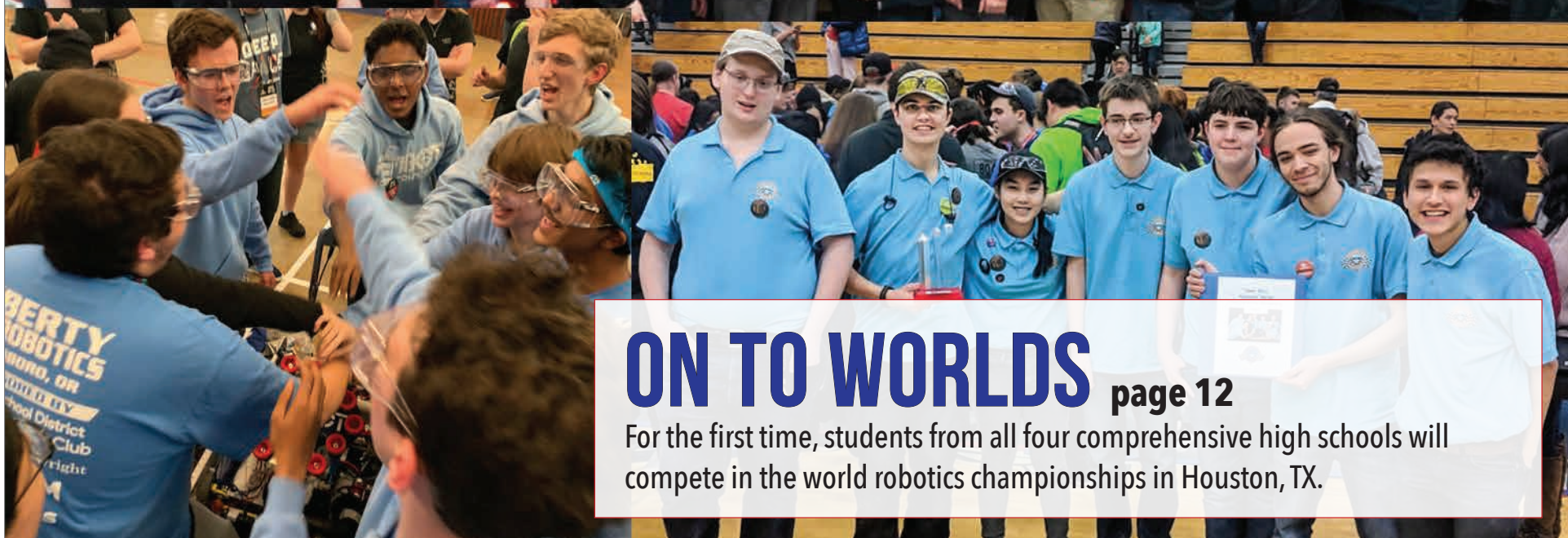
April 2019

# Hillsboro

SCHOOL DISTRICT



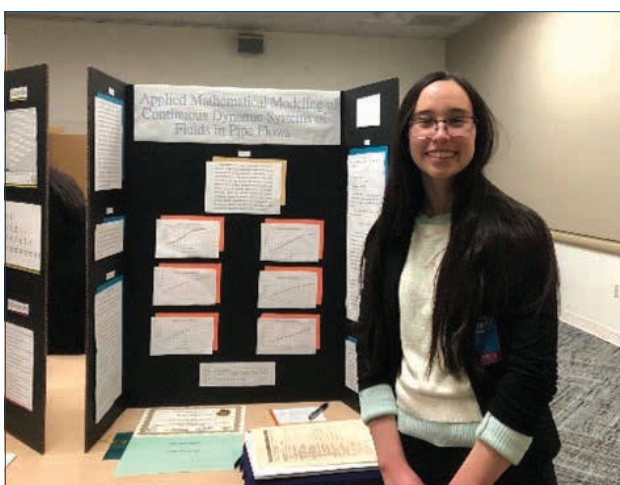
Proposed front entrance plans for Brookwood Elementary, page 9



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For the first time, students from all four comprehensive high schools will compete in the world robotics championships in Houston, TX.



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**HILLSBORO** SCHOOL DISTRICT

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# HSD MISSION: ENGAGE AND CHALLENGE ALL LEARNERS TO ENSURE ACADEMIC EXCELLENCE



## Superintendent's Message

### Accountability and Transparency in an era of Shrinking Budgets

Our Spring Hillsboro Schools Summit's theme was "Accountability Loops: Legislative Advocacy, Bond Work, Student Achievement." I felt the theme was timely and appropriate, given some of our key realities: 1) Elected officials are currently convened in the 2019 Legislative Session where they are wrestling with the 2019-21 K-12 budget, initial proposals of which would leave our district several million dollars short of what would be needed to maintain current services; 2) Much work was completed last year under the 2017 Bond and we are embarking upon our largest project year in 2019; and 3) We continue to provide robust and meaningful experiences to our students and graduate more of them on time.

We take very seriously our responsibility to oversee all of the functions of the Hillsboro School District and to ensure that we are doing the best we possibly can for students, while managing our available resources in a frugal and prudent manner. When we are faced with budget shortfalls, as we have been for nine out of the past eleven years, I, along with input from staff, the Board and Budget Committee, determine how to manage those reductions while also meeting our strategic objective of ensuring all students graduate prepared for career, and/or college, and civic life.

I am not a person who subscribes to the notion that more is always better. I understand that sometimes there is complacency in the way things have been done in the past and that those things can remain even as new ideas, people, and programming come on board. However, when it comes to K-12 funding, we are at a point where we simply need more to do better.

Over these past eleven years, we've reduced a net total of nearly \$64 million from what would have maintained current service levels from year-to-year. To do so, we have explored every option—from increasing class sizes, to reducing classified hours, to eliminating administrative positions and programs, to re-classifying expenses to other funding sources, to reducing operating reserves, and more. At the same time, we have closely examined the services we are providing to students and have worked hard to ensure that the things in which we do invest are research-based and represent best practice in educating students and serving their needs.

The elephant in the room, of course, is PERS—the public employees retirement system.

There are nearly 368,000 people who either currently or formerly worked for school districts, universities, community colleges, or state or local government agencies who are PERS-eligible. Approximately 41 percent of them come from K-12 or higher education. We fully support fair, legal, and creative methods of lowering the current unfunded actuarial liability of the PERS system. Doing so would reduce the amount public employers are required by law to contribute. Those employer rates are increasing by approximately 5 percent per year over the next two years, which equates to approximately \$10 million for the Hillsboro School District—money that comes directly out of the general fund.

However, we also realize there is simply nothing to be done about the bulk of the liability because it represents benefits that were already earned and promised, and the Oregon Supreme Court has repeatedly protected them.

So what are we to do?

For our district to maintain a no-cuts budget for the next two school years, we would need a state-level K-12 allocation of \$9.462 billion. And, as of right now, there are four proposals currently on the table for K-12 funding in the 2019-21 biennium:

- **Co-Chairs of the Joint Ways and Means Committee: \$8.87 billion**, which would leave HSD \$20.86 million short and require sustainable reductions of \$11.3 million\* in 2019-20.
- **Gov. Kate Brown: \$8.972 billion**, which would leave HSD \$17.3 million short and require sustainable reductions of \$9.6 million\* in 2019-20.
- **Gov. Kate Brown's reinvestment plan: \$9.972 billion**, which would provide approximately \$18.1 million in targeted additional funding for HSD (targeted investment areas include lowering class sizes in primary grades, supporting student health and safety, expanding curricular offerings, and increasing learning time).
- **Quality Education Model/Joint Committee on Student Success: \$10.77 billion**, which would provide up to \$46.4 million\*\* in targeted additional funding for HSD.

(\*Sustainable reductions of more than half of the total shortfall in year one of the biennium would be required to account for roll-up costs in year two.

\*\*Some of the Joint Committee's funding recommendations are aimed at early learning and other education priorities, so the increase to HSD would likely be less than \$46.4 million.)

The scenario that appears most likely at press time is passage of Gov. Brown's base budget for K-12, with a possible revenue package referred to the November ballot to reach her reinvestment plan level. If that is the case, even if the revenue package were to pass in November, we would need to pass and

implement a budget for the 2019-20 school year assuming reductions of approximately \$9.6 million, as additional funds would probably not be available until 2020-21.

Over the past few months, staff and Board members have had numerous conversations with legislators regarding the need for stable and adequate school funding. Additionally, Board members have been visiting parent group meetings at our schools to provide information about our budget situation and to encourage people to talk to elected officials, share their personal stories about why education is important to them, and advocate for increased funding for K-12 education. I encourage you to share your voice as well. Our elected officials consistently say that hearing from students, parents, and other community members is the most impactful for them. For more information, please visit our Budget Matters webpage at [www.hsd.k12.or.us/budget](http://www.hsd.k12.or.us/budget).

Switching gears to our 2017 bond progress provides an interesting contrast to our general fund budget discussion. We are extremely grateful to voters for passing the bond and are very proud of the work we've completed so far. Our bond fund is healthy and we have a dedicated team working hard every day to ensure we are completing projects as promised in the most fiscally-responsible manner possible. It is important to note that bond funds cannot be used to support general fund expenses—there are strict rules around that. So we cannot, for example, borrow money from our bond funds to mitigate the shortfall in our general fund. Please see the four-page pull-out section in the center of this newsletter for detailed updates on our bond progress.

Finally, I would like to end on a celebratory note and congratulate the class of 2018 for achieving an on-time graduation rate of 84.47 percent and an on-time completion rate\* of 88.88 percent. (\*Completion rate includes those students who earned an adult high school diploma, extended diploma, or GED.) I would also like to highlight the narrowing of the achievement gap between white and Latino students—from 6.48 percentage points in 2016-17 (86.08% vs. 79.60%) to 5.55 percentage points in 2017-18 (85.66% vs. 80.11%). While we will certainly continue to focus on increasing our graduation rates and closing this gap, students—as well as staff, families, and other advocates—should be very proud of the results that have been achieved.

Please continue reading to be inspired about all of the great things that are happening in the Hillsboro School District.

As always, I appreciate your involvement and support.

Respectfully,

Mike Scott  
Superintendent



**CENTURY FEEDER:** ● CENTURY HIGH SCHOOL ● R.A. BROWN MIDDLE SCHOOL  
**ELEMENTARIES:** ● BUTTERNUT CREEK ● IMLAY ● INDIAN HILLS ● LADD ACRES ● REEDVILLE ● TOBIAS



Century High School students and mascot unveiled their new turf field at a ribbon-cutting ceremony on Monday, April 1, 2019.

**School Highlights**

● **CENTURY** Century's focus on service was present this past winter during the annual food drive. Most notably, social studies teacher Wayne Bohm and his class were victorious as they competed against the rest of the school to collect the most canned food. Mr. Bohm's class was assisted in their quest by a \$1,000 donation from the Hillsboro Optimist Club, which allowed them to purchase a total of 1,300 cans of non-perishable foods. The donated cans went to local non-profit organizations like the Oregon Food Bank, Hillsboro Elks Lodge, and others who supply people in need with food during the holidays. This is the second year in a row Mr. Bohm's class won the school-wide competition. Congratulations, Mr. Bohm!

We started off the spring with the unveiling of our new synthetic turf field at a ribbon-cutting ceremony on Monday, April 1. Principal Martha Guise, drumline, student government, and other representatives from student groups and sports spoke about the positive changes the turf field will bring to the Century community. We demonstrated our thanks to the 2017 Bond Voters, because without them this field would not have been possible. The field will be utilized by so many groups and sports, such as track and field, football, boys and girls lacrosse, band, and color-guard. We look forward to sharing the field with the surrounding community for years to come.

● **R.A. BROWN** Students in R.A. Brown's spring after-school Drama Club, led by Language Arts teacher Mrs. Lundy, presented *Spy TV* for students and parents. The 21-student cast did an incredible job of acting and building the sets. When Mr. Will interviewed one of the performers the next day, she responded that the entire cast became like a family as they pre-

pared for the play. The play was a smash and R.A. Brown is hoping to bring Drama back as an elective for the 2019-20 school year.

● **BUTTERNUT CREEK** Our Right Brain Residency took place throughout the month of February and involved Butternut Bulldogs creating multimedia books with the help of artist Ashley Klump. The projects were on display during our annual Family Education Night on Thursday, February 28, where students and families also visited classrooms exhibiting programs offered to students at Butternut Creek such as STEAM, Math, Literacy, AVID, and Music.



● **IMLAY** Imlay students have had the amazing opportunity to work with a Right Brain artist and make upcycled puppets out of recycled materials. Students worked diligently in Imlay's Maker Space to plan and construct their puppets, which linked to a piece of literature they were studying, and then perform a Reader's Theatre with them. A special thank you to the Biddington family for our amazing puppet theatre!

● **INDIAN HILLS** STEM is in the air at Indian Hills! From Bridge Building to Pinball machines, Human Body Systems, Inventions, and more, our students are diving deep into science. To inspire some creativity, build motivation, increase academic content language, and build career connections with science, engineering, technology and math, students have been busy reading, watching videos, building, experimenting, hosting guest speakers, and taking field trips. We look forward to showing off all of our projects!

● **LADD ACRES** Ladd Acres read a book written by local author Deborah Hopkinson, to prepare for her visit on Friday, March 1, for Read Across America Day. Hopkinson spoke to students about her books and the importance of reading and writing. Ladd Acres and all HSD elementary schools celebrated Read Across America with activities such as welcoming guest readers, having students dress up like their favorite book characters, and even eating the famed green eggs and ham!

● **REEDVILLE** At Reedville Elementary, students become college and career ready with hands-on STEM opportunities. These past few months held fantastic learning experiences for our students. In partnership with In4All, business volunteers from Acumed brought hands-on learning to our classrooms with science, technology, and design. The students engaged in three activities led by Acumed volunteers, including understanding PH, creating models to support bone density, and learning how design impacts motion with the creation of balloon cars. These activities provide an introduction to careers in science and technology and help students inform their future goals and dreams.

● **TOBIAS** On Thursday, March 7, more than 175 Tobias community members participated in our Family Math Night. Tobias staff taught families several games they can play that will further develop important math skills at every grade level. Everyone in attendance took home a deck of cards and a set of instructions for all of the games so they can continue the fun and learning at home!



Students, parents, and staff had fun learning how to play engaging card games at Tobias Elementary School's Family Math Night.



Local author Deborah Hopkinson visited Ladd Acres Elementary School to talk to students about the importance of reading and writing during Read Across America Week.



Reedville Elementary 6th graders had an incredible time at Outdoor Science School. Students applied their knowledge of science and scientific reasoning to complete challenges.



**GLENCOE FEEDER:** ● GLENCOE HIGH SCHOOL ● EVERGREEN MIDDLE SCHOOL  
**ELEMENTARIES:** ● FREE ORCHARDS ● JACKSON ● LINCOLN STREET ● MCKINNEY ● NORTH PLAINS ● PATTERSON

**School Highlights**

● **GLENCOE** Glencoe has demonstrated excellence in clubs and activities this spring. Our theatre department presented the musical adaptation of “Legally Blonde” at the end of February with record-breaking crowds. Glencoe Choir hosted the Elementary Feeder Concert in March and also presented their amazing Spring Concert. The Glencoe Tidettes Dance Team took 3rd place in the OSAA State Dance Championships. The Glencoe Shockwave Robotics Team will head to Houston, TX, for Worlds later in April. Our Construction classes went on several field trips in early spring to Habitat for Humanity sites where the students got hands-on experience. They will also begin constructing dog houses for sale to the public. We want to appreciate the dedication and hard work of our staff and students. Roll Tide!

● **EVERGREEN** Testing and forecasting season is under way and students have been preparing for quite some time. Students will officially begin taking the SBAC test on April 15 and testing will continue through the first week in June. All 8th grade students will be traveling to Glencoe High School this spring to register for their 9th grade classes. Incoming 7th grade students and their parents are invited to an event on April 25 to learn about the opportunities available to them when they arrive next school year. We are looking forward to ending this school year on a positive note and gearing up for the next school year.

● **FREE ORCHARDS** Free Orchards is designated as one of the Hillsboro School District’s “trauma-informed” schools. In a trauma-informed school, the adults in the school community are prepared to recognize and respond to those who have been impacted by stress. One important component of our trauma-informed practice is our “Peace Planet”—a wellness room where students learn self-regulation strategies they can take back to the classroom. It is run by a classified staff member who helps students identify what makes them “dysregulated” and what works for them to be in the “green zone”—the optimal zone for learning. All students are welcome to participate, and a pass to the “Peace Planet” is a popular prize during our weekly Fantastic Fox prize drawing.



Free Orchards Elementary is a trauma-informed school and includes a wellness room known as *Peace Planet*.



Glencoe High School's winter musical production of *Legally Blonde* brought in record crowds and featured a predominantly female cast.

● **JACKSON** Jackson Jaguars are being safe, respectful, and responsible every day. Giving back brings our school so much joy and teaches many life lessons. Our Pennies for Patients drive raised over \$1,300 for children with Leukemia. On March 19, our students shined on stage displaying courage and creativity in the play *Space Pirates*. Kudos to all of our amazing award winning teams. Chess club just competed in state and brought home a 3rd place trophy and the OBOB Rocking Readers team came in 4th place in their competition. In the recent Perennial Math National (Virtual) Face-off Tournament, a Jackson team placed 3rd out of all 4th graders in the nation. The fun is not over yet—please mark your calendars for our family and community Spring Auction Fiesta on Friday, April 26, at 5:30 p.m. and Culture Night on Monday, June 3 at 6p.m.

● **LINCOLN STREET** Lincoln Street students have so many things to look forward to this spring. Our after-school programs continue to expand as we offer Garden, Track, Science, Violin, Lynx Academy and more. All grades are working on Science projects for our upcoming Science Fair on Thursday, April 18. Our 3rd graders are hard at work building bridges as part of an Engineering and Design unit. They are constructing bridges that will span 15 inches. Beyond the challenge of building a bridge with limited materials, students must work cooperatively with their group, and upon completion will present to their classmates the process, successes, and design features of their specific bridge. This is one of the many projects we do for our students to prepare them for the future.



Students and their families enjoy their new books at Patterson elementary's first-ever Bilingual Night.

● **MCKINNEY** McKinney Cougars are fortunate to have received contributions toward establishing our first ever track and field program. We have already started signing students up who are looking forward to having fun and running! The track and field program adds to our many after-school options students and families can take advantage of while giving Cougars more chances to exercise and play together.

● **NORTH PLAINS** Spring is here and great things are happening at North Plains Elementary! Our staff continues to focus on trauma-informed practices and we are seeing positive results in our students. Calming corners, brain breaks, and fidget boxes have been helping students regulate and remain ready to learn. Students and staff also focus on a character trait to build and improve upon every month, and for the last two we have been working on Cooperation and Integrity. Focusing on specific character traits has really helped our students learn more about positive behaviors and has improved our overall culture and climate.

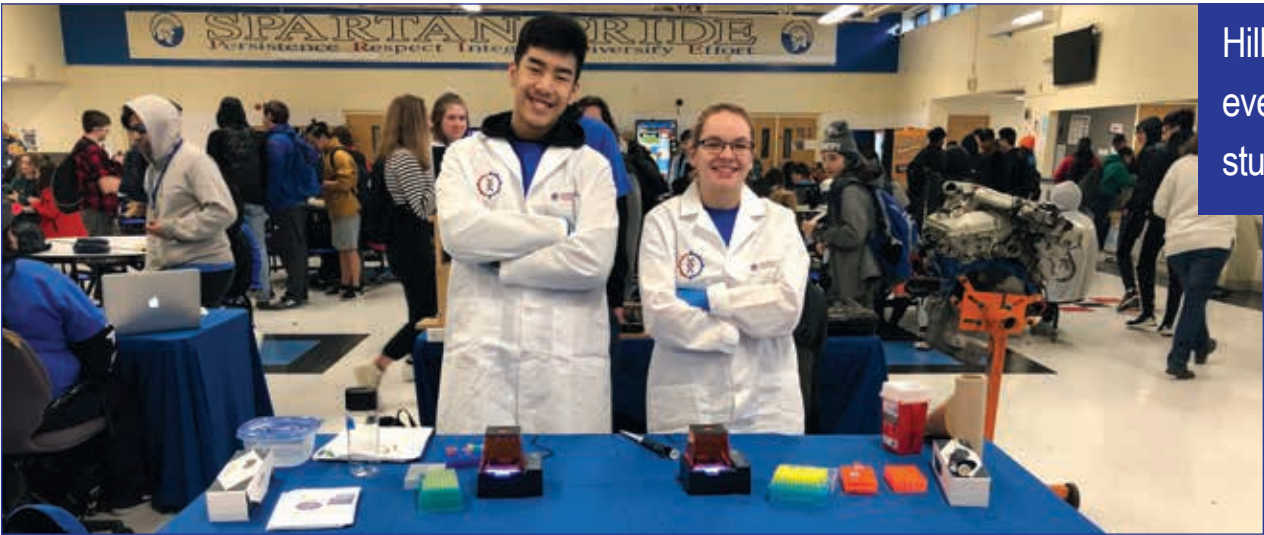
● **PATTERSON** Patterson hosted our first ever Bilingual Night on Thursday, March 7, for students and families in our Spanish Literacy and ESL programs. This event allowed students and their families to spend time reading their new book together, courtesy of Hillsboro Classified United (HCU) and the First Book program. Parents were also given information and the opportunity to provide feedback on Patterson’s language programs, as well as the event itself. We are glad to have such an involved and active community.



Jackson students partnered with STAGES Performing Arts Youth Academy to put on the play *Space Pirates* on Mar. 19.



**HILHI FEEDER:** ● HILLSBORO HIGH SCHOOL ● SOUTH MEADOWS MIDDLE SCHOOL  
**ELEMENTARIES:** ● BROOKWOOD ● FARMINGTON VIEW ● GRONER ● W.L. HENRY ● MINTER BRIDGE ● ROSEDALE ● WITCH HAZEL



Hilhi's Career and College Pathways (CCP) event featured the pathways available to all students, including Bioscience Technologies.



School Highlights

● **HILHI** The College & Career Center at Hilhi has been busy providing students with opportunities to explore career-related courses and meet with local employers. On Thursday, Feb. 21, they held a Future-Focused Fair, at which a variety of Hillsboro employers, community partners, and PCC programs informed students of career options. The emphasis was on manufacturing, trades, apprenticeships, and one- to two-year training programs that lead to high-wage, high-demand careers. Over 400 students attended the fair. Then, on Wednesday, March 6, they hosted a Career and College Pathways (CCP) event where students could learn more about the sixteen CCPs available to them. Each pathway offers 3.0 credits of career-focused coursework. During their senior year, students take a capstone course and complete a senior project. At the fair, seniors in each program served as ambassadors and gave demonstrations of labs and activities. Students filled out forecasting forms after learning which CCP was important to them and how it might connect to their career goals.

● **SOUTH MEADOWS** South Meadows students value helping others and want to make a difference in the world. For our second year in a row, South Meadows has adopted a Sparrow Family, allowing everyone who wants to make a difference in the life of one special child to do so by serving the community. Our students are helping Kailanie, our sparrow, by earning sparrow vouchers through community service that are then matched with monetary donations by a sponsor. For example, our AVID students regularly visit our neighboring Elementary School, Witch Hazel, to read with students. Sparrow Clubs is a non-profit organization that provides financial and emotional support for children and their families in medical need by empowering students through charitable service.

● **BROOKWOOD** This winter, our Brookwood 4th and 5th graders had the pleasure of participating in the Junior Achievement program known as JA Biztown. In preparation for the JA BizTown simulation, students learn essential business concepts—including basic economics, civic responsibility, community engagement, and more—before applying for jobs and participating in mock interviews. A highlight leading up to the simulation day was Mayoral Elections. Our Biztown Mayor did an amazing job and even rubbed shoulders with Oregon State Treasurer Tobias Reed when he dropped by to visit. Thank you to the many volunteers who joined us and helped make this day happen, and to our Booster Group for helping support this learning experience.

● **FARMINGTON VIEW** This has been an exciting year at Farmington View with all the new classroom furniture, classroom technology and, of course, our new playground! The next round of renovations which include safety upgrades, equipment replacements, and roofing aren't taking place until the summer of 2021. Notably, the parent/bus dropoff area will be remodeled to enhance the safety of both pedestrians and drivers, as well as promote a more orderly flow of traffic. All of these improvements were supported through the passage of the 2017 Bond and we couldn't be more appreciative. Thank you, Hillsboro voters!

● **GRONER K-8** At the beginning of the school year, Groner K-8 added a new engineering Maker Space Lab to the school. Classrooms come in on a weekly basis to explore lessons focused around Engineering and Science. Students have access to 3D printers, a vinyl cutter to make sticker decals, as well as a T-shirt press. The lab also has over 100 bins of different materials available to students. The space hosted artist Nancy Judd during our Right Brain Initiative residency, where she lead students in making masks out of upcycled materials.

● **W. L. HENRY** W.L. Henry is proud to have been selected by our district to participate in The Promise of Oregon campaign. The Promise of Oregon is a statewide effort focusing attention on the accomplishments of Oregon's students and the need to adequately fund public education. Our students are the Promise of Oregon for many reasons. Alexa shares she is the promise because, "I want to help everyone understand each other by becoming a transla-

tor." Rubi shares she is the promise because, "I want to encourage others to learn new languages like I did." David shares he is the promise because, "I am creative, confident, positive, and determined to be an artist who inspires others." We are proud of each of our Wildcats. Each one promises to have a bright future.

● **MINTER BRIDGE** The upcoming months will be filled with a variety of events celebrating our school, community, and achievements. Outdoor school is a highlight for our sixth graders as they participate in hands-on science at the beach. Our May 3 Spring Fiesta is always a hit with families and will bring our school together in celebration of Latino culture. We are also looking at acceptance and excellence as our next two character traits to work on and improve together as a school.

● **ROSEDALE** On Friday, March 15, Rosedale had a Bingo and Silent Auction event. We did not anticipate the number of people that showed up and we ran out of both seating and Bingo cards! This event did become the highest-selling Bingo Night we have ever had and we cannot wait until we get to host the next one.

● **WITCH HAZEL** Spring has arrived and we are excited to kick it off with a Track Club at Witch Hazel Elementary! We want to give many thanks to our volunteers and community organizers who have been able to extend the school day for our students with exciting opportunities to explore fitness and the outdoors. One of the first events will be a 5K run on Saturday, May 18, sponsored by the Hillsboro Education Association. The funds raised will go toward purchasing new and replacing current playground equipment. Please visit our website if you are interested in signing up or becoming a sponsor at [www.hsd.k12.or.us/witchhazel](http://www.hsd.k12.or.us/witchhazel)



"I want to be a doctor when I grow up because it looks like fun to help people feel better."- Humberto G., W.L. Henry student, future doctor.  
#PromiseOR



**LIBERTY FEEDER:** • LIBERTY HIGH SCHOOL • POYNTER MIDDLE SCHOOL  
**ELEMENTARIES:** • EASTWOOD • LENOX • MOOBERRY • ORENCO • QUATAMA • WEST UNION



**School Highlights**

• **LIBERTY** AEMBOT, Liberty's Robotics team, is working hard this year in district competitions. In the first competition, they finished 2nd out of 38 teams and then won the tournament to finish as Champions of the Wilsonville District. Next, they competed in an event in Yakima, WA. The competition was tough, but they finished 3rd out of 32 teams, made the finals, and lost in a close match to the #1 team in the Pacific Northwest. Our robot suffered some decent damage in the semi-final, but the team did a great job problem-solving, repairing, and fielding a robot for the finals. We are currently ranked as the #9 team in the Pacific Northwest (151 teams), and are heading to the World Championship in Houston, TX. A special thanks to all the mentors, sponsors, community, and school staff for supporting the students of Liberty High School. These types of seasons are extremely rare and our students are so excited to push further. It is truly inspiring and, to be honest, is the reason why so many of us donate thousands of hours of time to help them learn, work together, and experience the most challenging STEM environment possible.

• **POYNTER** Poynter Patriots have been excited to welcome preschoolers to our campus this year. We are one of only two middle school sites hosting a preschool program, and ours is full-day. So far, the integration has been smooth and we're looking forward to continuing the collaboration for many years to come! On Friday, March 22, students squared off against staff for a basketball game to kick off Spring Break. Great fun was had by all who participated! And our Poynter Players have been busy preparing for their play *Fairy Tale Misfits* on Friday and Saturday, April 12 and 13.

• **EASTWOOD** Eastwood families enjoyed an amazing event on Friday, March 15, playing BINGO while also participating in a Silent Auction that raised over \$5,000 for the school! Eastwood families also "traveled" the world on Thursday, March 21, at our International Writing Night, learning about different cultures and countries that each class had been studying the past month. We celebrated the amazing writing and projects our students completed to showcase their learning.

• **LENOX** In January, we finished our Right Brain Initiative artist residency with Korekara Taiko Drumming. Students in all K-6th grade class-



Liberty High School Robotics Team AEMBOT is ranked #9 in the Pacific Northwest and will be competing in the World Championships in Houston, TX, April 16-20, 2019.

es created drumming patterns focused on our Essential Question of "How can pattern and perseverance engage my brain?" Also, in collaboration with our Booster Club, Lenox put on a STEAM Family Night. We had our student Science Fair projects on display, plus multiple hands-on STEAM activities including flubber, snap circuits, body systems, green screen, stop motion, catapults, reptiles, coding, and more! Thank you to our community partner, Bach to Rock, who set up an engaging and fun musical experience for our students.

• **MOOBERRY** This year, Mooberry's 4th Grade Dual Language Team teachers Tristin Burnett and Ann Schott have partnered up with First Tech Credit Union via the non-profit In4All, whose mission is to "increase student engagement and inform their future" and "to engage students that are historically underserved in creating a future of limitless possibilities." Each classroom received visits from a consistent volunteer team who came prepared with materials to lead an activity and allow for student reflection time. Students got to go through the problem/solution design process by thinking collaboratively, drawing models, constructing machines while keeping a specific objective in mind, and reflecting/reworking their designs after initial testing. The experiences were hands-on and interactive, and it was a total blast for students and staff alike.

• **ORENCO** Orenco Elementary LEGO Robotics had a wonderfully successful FIRST LEGO League (FLL) season, where all three teams received awards at the Intel Regional Competition. The "Robots of Unusual Size (ROUS) team won first place for Robot Design,

and the all-female "Galaxy Girls" team received an ACE invitation to the state competition. The "Rocketing Robots" team won second place overall at the tournament and also advanced to state. At the state competition, Galaxy Girls scored a personal best at the robot table, while the Rocketing Robots earned a trophy for Gracious Professionalism. They are the first Orenco FLL team to win a trophy at state. Well done students and thanks to all for the community support!

• **QUATAMA** Spring is a fun time of year at Quatama Elementary. Prior to Spring Break, our 6th graders attended outdoor school and had a fabulous time exploring nature, performing earth science field studies on the beach, engaging in wetland investigations, and performing squid dissections. Our students are also looking forward to upcoming events, such as an exciting Music Concert featuring our 4th-6th graders on Thursday, April 18, our STEAM Fair on Thursday, April 25, and Coyotes on the Run on Friday, April 26. We will also be hosting our second annual Culture Night on Tuesday, May 21, from 5-7 p.m.

• **WEST UNION** West Union is dedicated to academic excellence and building community. Our community is coming together once again on Tuesday, April 23, to present the 5th annual STEAM Festival. Each class will present a project related to science, technology, engineering, art, or math. Community members presenting at the festival are Liberty High School's robotic team, the writer and illustrator of *The Waffle Story*, a story about Nike and the waffle soles on their shoe, and the Oregon Soil and Water Conservation Society, just to name a few.



Orenco Elementary recognized students who demonstrated the Character Trait of the Month—Responsibility!



As part of the Right Brain Artist Residency, Korekara Taiko Drumming taught Lenox students drumming patterns.





# Hillsboro

## School District Bond

### BUILDING FOR OUR FUTURE

*We are now in the second year of the 2017 Bond, our biggest year, with \$200 million in projects already under way or about to launch by summer. Highlights of the year are the new turf field at Century High School, new gyms, modular buildings with classrooms, parent/bus dropoffs, a new transportation/support center, and our first new school building in a decade. Additionally, a variety of upgrades will revitalize existing buildings and facilities. Visit [hillsboro-bond.org](http://hillsboro-bond.org) for project updates and archives.*

## WINTER/SPRING 2019 STARTS



Over the winter, crews installed a new, multi-use synthetic turf field and lights to replace the natural grass field in Century High School's stadium, and worked hard to add the finishing touches in late March. On April 1, Century hosted a ribbon-cutting ceremony to officially open the field. A remaining task is to add the specially-ordered Century logo to the middle of the field later this spring.

### Century High School

by Mia Tognoli

The recent commemoration of Century High School's new turf field on April 1 was certainly inspiring, bringing students, staff and community members together to share a heartfelt and prideful moment. If you haven't seen them yet, you can view a video of the ribbon-cutting ceremony at [youtu.be/eSXBVf06EE](https://youtu.be/eSXBVf06EE) and Bernhardt Golf's time-lapse video of construction at [youtu.be/WuMDa9IS-5U](https://youtu.be/WuMDa9IS-5U).

However, the turf field isn't the only renovation coming to our school. The Century community is eager to see the upgrades to security, renovations to career-technical education (CTE) classrooms, and more.



Century's entry vestibule was recently renovated to provide enhanced security and monitored access.

**Entry Vestibule**—Upgrades to Century's safety and security systems began in December and were completed this spring. The high school recently renovated its entry vestibule, enhancing security for students and staff. When the full system goes live later this month, the exterior doors will be locked throughout the school day after the first bell to restrict access. Visitors will be required to enter through the vestibule and check in at the school office before they can enter through the building itself.

**CTE and Building Upgrades**—Century students and staff members in the early childhood CTE program are thrilled to know that construction on the new modular building will be starting on April 24. The modular will include two new classrooms, as well as a kitchen area, office, and storage space, providing a modernized learning environment for both Century students and Little Jagz preschoolers.

In addition to the modular building, Century will be receiving upgrades to multiple CTE classrooms. Students in business, computer technology, culinary arts, engineering, graphic design, and health science can expect these renovations to be completed by fall

2019. The school's roofing and HVAC system also will be upgraded. Construction is set to begin after school gets out in June.

**Thank You Voters!**—Members of the Century community are incredibly thankful for the bond-funded upgrades and renovations.

"I am proud to serve on the Board of a community that is supportive of our education," said Jessica Jose-Nickerson at the ribbon-cutting ceremony, adding that "we feel honored to receive such a gift." Jessica is a Century junior and student representative to the School Board.

### Glencoe High School Expansion

by Makena Krause

Built in 1980, Glencoe is the second oldest of Hillsboro's high schools. When all of the construction updates are done, the school will be transformed into an extraordinary learning environment, while accommodating our community's growing enrollment. Crews will begin mobilizing in late April; construction will go from May 2019 through August 2020.

**Additions/Expansions**—Additions include a new media center, counseling center, and health science classrooms. The entry vestibule will be renovated for enhanced security. A current problem is lunch seating but, in 2020, students won't have to worry about it any longer. We will have plenty of room to eat with the cafeteria addition, outdoor covered eating area, and new cafeteria tables and chairs.

**Building Improvements**—To revitalize the look and overall appearance of Glencoe, there will be new paint and murals on the interior and exterior of the building. Language arts teacher Lauren Hill expresses her excitement: "Having that much natural light is a plus. The fact that the new addition brings in more windows is going to be better for the students and faculty. It is going to be great." Another big improvement we are looking forward to is a new HVAC system! Students, you won't be sweating in one class and freezing in another!

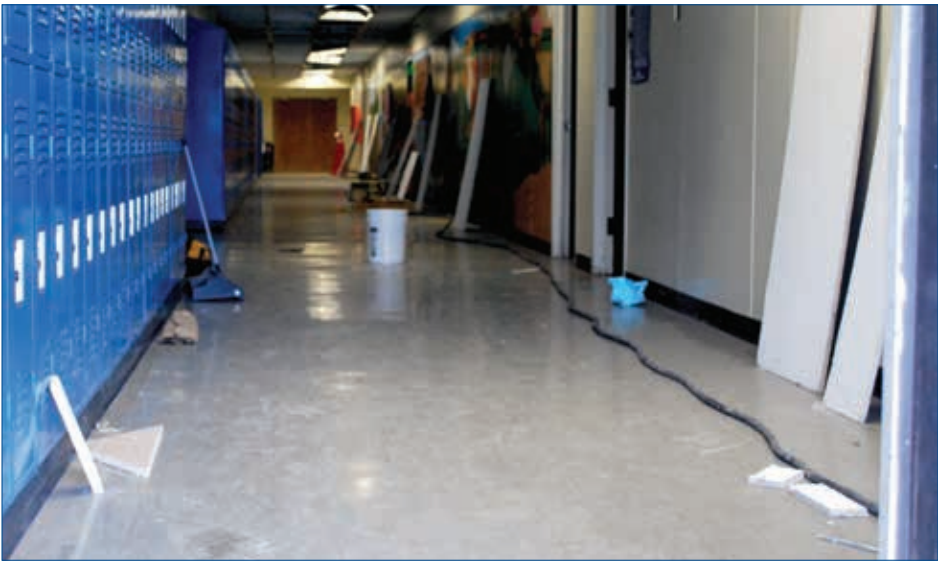
**CTE Upgrades/Expansion**—"I am excited to have an updated child development room and play area because the kids will really enjoy it," Luis Martinez exclaimed. Luis is a sophomore at Glencoe and currently in the child development CTE. Other CTE-related projects include upgrades to the student store, construction trades and graphic design classrooms, and the health sciences wing.

**Reconfigured Parking Lots**—The south staff/visitor parking lot will be the first to be renovated, with completion expected by the end of summer 2019. The north student parking lot will be redesigned, and the tennis courts moved, with construction occurring in summer 2020.

**Safety and Security Upgrades**—The safety of students is always a number-one priority. In addition to the new entry vestibule, Glencoe will have seismic upgrades and get security cameras, key card access, strobes, and visual warnings inside and outside the building.



HILLSBORO SCHOOL DISTRICT BOND: fulfilling the 2017 bond promise for the future of Hillsboro's students



Old floor tiles in Hilhi's academic buildings, like these in the business education building, will be removed and the exposed concrete floors will be polished to a fine sheen. The polished concrete also will be easier to maintain.

**Groundbreaking**—We will be celebrating the start of construction of Glencoe's new addition with a groundbreaking ceremony on June 5, at 2 p.m. Members of the community are invited to join this special event.

Hillsboro High School Improvements

Work has already begun on the first of four construction phases (plus summers) of Hilhi's renovations, starting with the wood shop and business education building. The gym, health education, and the administration/counseling center are also part of phase one, which will last through mid-August 2019. Phase two begins as soon as students leave for the summer, with work progressing to the social studies, theatre, library/media center, and creative arts buildings through November 2019.

View Hilhi's construction phasing plan, which runs from March 2019 through September 2020, at [bit.ly/2WUZ5mp](http://bit.ly/2WUZ5mp). Note that the campus will be closed in summer 2019 and 2020 for exterior work, including replacement of aged roofing and installation of new rooftop HVAC units. The administrative offices will be temporarily relocating to South Meadows Middle School during this time.

Seismic and security improvements will be made throughout the campus, and new ceilings and energy-efficient lighting will be added in many areas. In the academic buildings, existing floor tiles will be removed, and the exposed concrete floors polished. With all the upgrades and expansions, Hilhi will be a renewed campus in fall 2020!

Liberty High School CTE Addition/Improvements

The sustainable agriculture/design CTE program's new modular building is expected to begin construction later this month and continue through October. The building includes shop and tool space, food processing and marketing/sales areas, and a covered outdoor area. In the summer, the school will undergo improvements, including roofing upgrades, a chiller replacement, enhanced entry security, and renovations to the culinary arts and early childhood CTE classrooms.

Evergreen Middle School Addition/Improvements

Evergreen's new library/media center and classrooms will add 18,000 square feet to the school. Along with expansion of the commons

area, this additional space will allow the school to accommodate up to 200 more students as its enrollment grows. Seismic, safety/security and HVAC upgrades, new roofing, and other improvements will be made to the rest of the building. View the exciting visual tour of Evergreen's renovations at [vimeo.com/319521721](https://vimeo.com/319521721), created by Soderstrom Architects. Construction is expected to begin on April 24 and to be completed by January 2020.

**Groundbreaking**—Evergreen will be commemorating the start of construction of its new addition with a groundbreaking ceremony on April 18, at 2 p.m. The community is invited to celebrate with us!

Poynter Middle School Renovations

The first phase of construction has already begun at Poynter, starting with renovations to the small gym. Work on the library/media center will be added soon. This phase is expected to last through mid-June 2019. The remaining three phases are expected to run from the end of the school year through February 2020, and will renovate classrooms, the large gym and locker rooms, shop, cafeteria, kitchen, and other areas of the building.

Renovations include seismic, electrical, roofing, and HVAC upgrades (including air conditioning), as well as replacement

of the boiler and domestic water pipe. Temporary portables will be placed on the north side of the campus to provide alternate classrooms for students, starting in fall 2019, as construction zones rotate in specific areas of the building. View Poynter's construction phasing plan at [bit.ly/2FUCyPM](http://bit.ly/2FUCyPM), which shows when and where construction will occur in the building.

Eastwood Elementary School Improvements

Crews will be mobilizing in mid-April to begin construction at Eastwood. Work will be done in three parts: the new, four-classroom modular building (replacing the existing portables) from April to mid-August; the new gym from April to October; and the main building renovations and new playground over the summer break. The building will be closed in summer as it receives seismic and roofing upgrades, and a heating upgrade is added to the HVAC system. View Eastwood's construction phasing plan at [bit.ly/2U1Yw8r](http://bit.ly/2U1Yw8r). Classrooms also will receive new flexible furniture.

Mooberry Elementary School Improvements

Work has already begun at Mooberry in the south area of the campus where the new gym and playground will be placed. The old playground was disassembled and crews had to excavate an old fuel oil tank that was underneath the playground and original to the building's construction in 1963. Old floor tiles were removed from hallways over spring break to expose the underlying concrete, which will be polished later.



Above: The floor in Poynter's small gym is being replaced.



**Below:** At Hilhi, the project contractor has installed safety fencing to separate students from contractor paths and construction areas. Students and staff have been instructed to "walk between the red flags" that outline their safe walkways. While configurations may differ by job site, safety fencing is a standard requirement at all of the District's bond projects. Be safe—stay clear of construction zones and other restricted areas!





Brookwood Elementary School Replacement



One of three new schools that will be built with the bond, the replacement for the existing Brookwood Elementary School provides capacity for 600 students and serves as a template for the other two in North Plains and South Hillsboro. View the virtual tour by DLR Group, the building architects, at [youtu.be/fZRmLQ48Uew](https://youtu.be/fZRmLQ48Uew). Join us at our groundbreaking ceremony on April 29, 4 p.m., to officially launch construction on the site. Note that equipment and materials will be staged around the campus before then; the construction staging plan may be found at [bit.ly/2KfnL7w](https://bit.ly/2KfnL7w). The new building will be completed in August 2020, and will welcome its first students in the 2020-21 school year.

Construction of the gym will proceed through November. Installation of the new five-classroom modular building, replacing existing portables, is expected to begin shortly and continue through the summer. Then, over the summer, the building will be closed to implement seismic, roofing, HVAC (adding air conditioning), and safety and security upgrades. Domestic water pipe also will be replaced. View Mooberry's construction phasing plan at [bit.ly/2D5TORr](https://bit.ly/2D5TORr).

Technology Infrastructure Upgrades

With the first bore of conduit at McKinney Elementary on March 14, our partnership with the City of Hillsboro to build a "dark fiber" ring around district buildings was officially launched. HSD's \$12.6 million investment enables us to exclusively utilize 24 strands out of the City's 432-strand network backbone for 20 years. Nearly all of it will be underground; project crews have installed over three miles of conduit so far. The first schools are expected to go live in July, and all existing buildings by April 2020. More information about the bond's fiber project is available at [bit.ly/2uTAXOx](https://bit.ly/2uTAXOx). Read about the City's new Hi-Light fiber optic utility at [bit.ly/2G57EoY](https://bit.ly/2G57EoY).



A boring machine drills a hole underground for the fiber optic cable conduit to be pulled through. This process will be repeated as the fiber network rings are installed throughout the district.

Hillsboro Big Picture Improvements

Starting in May, Hillsboro Big Picture, housed in what is familiarly known as the Miller West building, will undergo renovations that include replacement of the old boiler and domestic water pipe, as well as seismic and HVAC upgrades. Parts of the campus will be closed during the construction period. Work is expected to be completed by August 2019.

SUMMER 2019 PROJECTS

Summer projects typically will begin as soon as students and staff leave for the summer break. Expected completion is in mid-August 2019, except for R.A. Brown Middle School and the new Transportation facility. Note that schools may be closed or have limited access during the construction period. Please stay out of restricted areas for your own safety.

Flexible Classroom Furniture: Phase 2

Flexible furniture not only provides comfort, but also the means to collaborate, move, communicate and more—leading to higher student engagement and academic achievement. The second phase of this bond project will be implemented this summer. Deliveries will be made to these elementary schools: Eastwood, W.L. Henry, Imlay, Indian Hills, Ladd Acres, Lenox, McKinney, Minter Bridge, Orenco, Patterson, Quatama, Rosedale, and West Union.

R.A. Brown Middle School Improvements

The R.A. Brown building will be renovated over summer 2019 as well as summer 2020. The school will undergo seismic and roofing upgrades, and domestic water pipe replacement. Air conditioning will be part of the HVAC upgrades, with direct digital controls to more efficiently manage the system. Safety and security will be enhanced with a renovated main entrance, security cameras, key card access, and other measures. Interior and exterior painting will help to refresh and brighten the school.

Jackson Elementary School Dropoff

The parking lot and parent/bus dropoffs will be completely remodeled, with the addition of a new area in the southeast corner of the campus to separate buses and cars. As a result, Jacob's Field has been relocated to the northeast corner. As previous dropoff construction

2019 PROJECTS BY BUILDING

Work will take place in the summer unless otherwise noted.

Acronyms used:  
DAS = distributed antenna system  
FFE = furniture, fixtures and equipment

- Brookwood:** replacement of school (May 2019-August 2020)
- R.A. Brown:** building improvements
- Century:** turf field/lights (winter 2019), CTE spaces
- Eastwood:** new gym and playground (April-October), modular (April-August), building improvements, FFE
- Evergreen:** addition/improvements (April-December)
- Glencoe:** addition/improvements (May 2019-August 2020)
- W.L. Henry:** FFE
- Hilhi:** major renovations, CTE spaces (April 2019-September 2020)
- Hillsboro Big Picture:** water pipe replacement, building improvements
- Imlay:** DAS, FFE
- Indian Hills:** FFE
- Jackson:** dropoff improvements, DAS
- Ladd Acres:** domestic water pipe replacement, FFE
- Lenox:** building/dropoff improvements, FFE
- Liberty:** modular building (April-October), building improvements, CTE spaces, chiller
- Lincoln Street:** DAS
- W.V. McKinney:** FFE
- Minter Bridge:** interior walls, FFE
- Mooberry:** new gym and playground (April-November), modular (April-August), building improvements
- Orenco:** DAS, FFE
- Patterson:** DAS, FFE
- Poynter:** building improvements (April 2019-February 2020)
- Quatama:** DAS, FFE
- Rosedale:** DAS, FFE
- Transportation:** new satellite facility (June 2019-August 2020)
- West Union:** building improvements, FFE

view the bond construction timeline, project updates and archives at:

[www.hillsboro-bond.org](http://www.hillsboro-bond.org)

at other schools in 2018 has shown, the new configuration is expected to enhance pedestrian and driver safety, and smooth out the flow of traffic.

Lenox Elementary School Improvements

Lenox's new parent/bus dropoff area will help ease vehicle backup along Rock Creek Blvd., improve pedestrian and driver safety, and increase traffic efficiency during dropoff and pickup times. A more comfortable learning environment in the school will result from the addition of heating and air conditioning as part of HVAC upgrades, along with direct digital controls. Seismic and roofing upgrades also will be part of the renovations.



West Union Elementary School Improvements

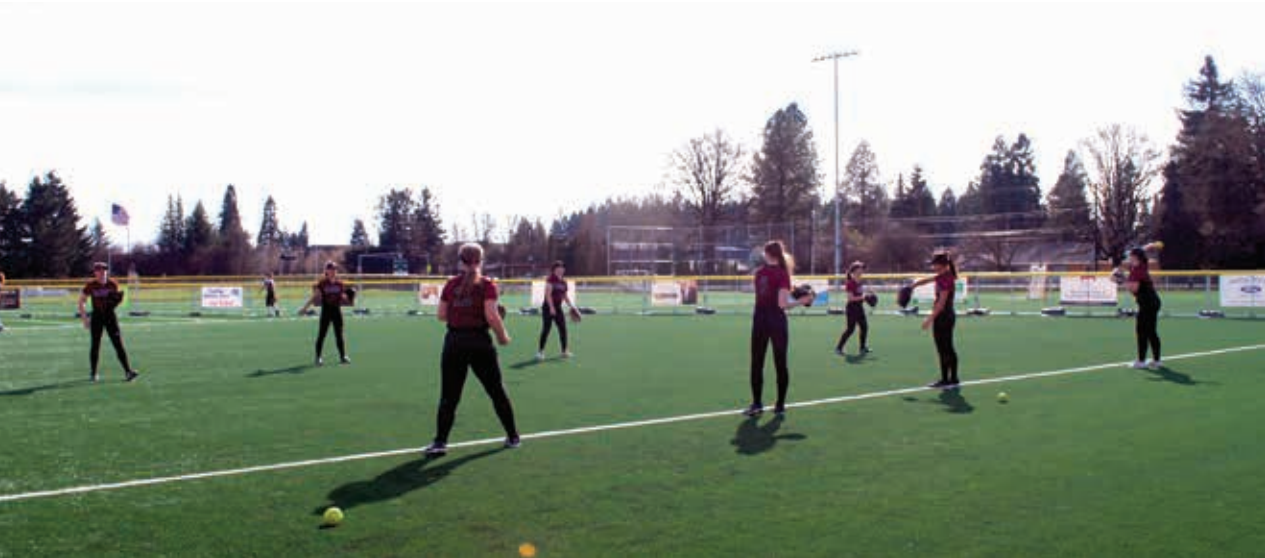
West Union will now have air conditioning! In addition, the school will receive seismic, roofing, and safety and security upgrades, as well as renovations to improve accessibility for those with disabilities.



Exterior entry rendering of the new Transportation and Support Services building.

Transportation and Support Services Facility

In June 2019, construction will begin on a second Transportation Department hub near Liberty High School. This will not only provide a facility to park and repair buses, but also enable scheduling efficiencies in serving the north side of the District. In addition, the building will provide classrooms and work space for our new diesel mechanic CTE program. Construction is expected to be completed by September 2020.



2019 Image Gallery





**Top:** Soderstrom Architects illustrate a future school corridor in the renovated Evergreen Middle School.

**Middle:** An old fuel oil tank from the 1960s was excavated and removed on March 29 from underneath Mooberry's play area.

**Bottom:** Glencoe's softball team warms up before playing its first home game on the synthetic turf field on March 19. Glencoe's turf field was a 2018 bond project completed last summer.

KEY THINGS TO KNOW

The bond is focused on four key areas:

-  **Prioritize safety and security**
  - Security cameras, including cameras on school buses
  - Seismic and roofing upgrades
  - Playground upgrades
-  **Renovate and repair aging schools**
  - HVAC, plumbing and electrical upgrades
  - Significant remodeling at Hilhi and Reedville Elementary
  - Replacement of 15 portable classrooms
-  **Relieve crowding, plan for growth**
  - Construction of two new elementary schools and replacement of Brookwood
  - Construction of separate gymnasiums at schools with shared gym/cafeteria space
  - Expansion of Evergreen and Glencoe
-  **Provide a modern education for students**
  - Student and teacher technology
  - Expansion of career-technical educational spaces in high schools
  - Flexible classroom furniture
  - Internet self-sufficiency

COMPLETED PROJECTS: 2018

**Major Remodel of Historic School:**  
Reedville Elementary

**Synthetic Turf Fields & Lights:**  
Glencoe High School  
Hillsboro High School (with track)

**Technology Rollouts:**  
Chromebook carts at every school

**Flexible Furniture:**  
Butternut Creek Elementary  
Farmington View Elementary  
Free Orchards Elementary  
Groner Elementary  
Jackson Elementary  
Lincoln Street Elementary  
Mooberry Elementary  
North Plains Elementary  
Reedville Elementary  
Tobias Elementary  
Witch Hazel Elementary

**Playgrounds:**  
Butternut Creek Elementary  
Farmington View Elementary  
WL Henry Elementary  
West Union Elementary

**Parent/Bus Dropoffs:**  
Eastwood Elementary  
Ladd Acres Elementary  
McKinney Elementary

**Modular Buildings:**  
Farmington View Elementary  
WL Henry Elementary  
McKinney Elementary  
Reedville Elementary

**Roofing Upgrades:**  
North Plains Elementary  
Peter Boscow/Hillsboro Online Academy  
Tobias Elementary

**Miscellaneous Improvements:**  
R.A. Brown MS boiler replacement  
Ladd Acres ES fencing  
North Plains portable relocations  
Transportation school bus GPS/cameras

The following projects were not part of the original bond promise, but were made possible with available contingency funds that resulted from bond sale premiums and interest.

**Remove Aging Floor Tile:**  
(underlying concrete was polished)  
Imlay Elementary  
Mooberry Elementary

**Construct Classroom Walls:**  
Eastwood Elementary  
North Plains Elementary

**Replace Stage Rigging:**  
Glencoe High School

**Replace Failing Portion of Track:**  
Liberty High School

**Automatic Security Gate:**  
Transportation

**Construct Dugouts:**  
Glencoe High School varsity softball field

**New Track Equipment:**  
Hillsboro High School

**New Cafeteria Tables:**  
Hillsboro High School



# Miller Education Center

Grades 9-12 and Options Programs

**Miller Education Center – East Campus, located at 215 SE 6th Ave.** Miller East houses the Connect and NextGen Hillsboro In-School Programs (HIP), which serve students from Washington County. NextGen is a federally funded grant program that focuses on workforce development. Students in the target age of 17-24 who meet other eligibility requirements receive instruction on work readiness skills to enter into one of four focused areas of study: Healthcare, Construction, Manufacturing or Information Technology. For more information regarding Connect or HIP, please attend an informational meeting held each Wednesday at 3 p.m. at the East Campus.

**Miller Education Center – West Campus, located at 440 SE Oak St.** On Friday, February 22, students from Miller Ed Center, Hillsboro Big Picture, and Liberty HS participated in the Oregon Logging Conference Future Forestry Workers Career Day in Eugene. Students learned about skills and education necessary for careers in the logging industry, connected with potential employers, and viewed the latest in equipment and technology that serves the forestry industry. Thank you to The Oregon Forestry Research Institute and The Oregon Logging Conference Foundation for making it possible for our students to attend and participate in this event.

Hillsboro Big Picture is actively recruiting for the 2019-20 school year. If you missed the Open House events this spring, please feel free to reach out to our counselor Sara Franklin, at [franklins@hds.k12.or.us](mailto:franklins@hds.k12.or.us) or 503-844-1680 ext. 6554 for more information.

**Miller Education Center – Walnut Street Annex, located at 451 SE Walnut St.** At the Annex, we work with students who are in transition from one program to another—5th year seniors looking to complete their high school diploma or students who need a short term placement from their comprehensive school setting. If you know someone who just needs a few more credits to graduate please have them contact their home school counselor for a referral.



Miller Ed Center, Hillsboro Big Picture, and Liberty students explored career pathways in logging by attending the Oregon Logging Conference Future Forestry Workers Career Day.

## HILLSBORO ONLINE ACADEMY

(HOA) With more students than ever, Hillsboro Online Academy (HOA) is looking forward to the enriching activities offered to students this spring. Currently, HOA has

200 full-time and 450 part-time students enrolled. Besides online curriculum, HOA also holds physical education classes daily in our gymnasium and weekly activities like Art and Engineering on our campus.

In April, students continued in their online courses while state testing occurred on-site. Science Fair Projects were shared on Science

Fair Fun Night on April 18. On April 11, K-6 students celebrated their big Food Drive win over older grades and the staff in December with a Pajama and Popcorn Party. Students in grades 7-12 visited the Washington County Courthouse where they had the opportunity to observe an actual trial and visit with a judge and a court sheriff.

HOA offers many College and Career Pathways (to read more about CCP, see p. 13), including one in Criminal Justice that is available to all high school students across the district. Courses in this pathway include:

- Careers in Criminal Justice
- Criminology
- You and the Law
- Forensic Science
- Principles of Public Service
- National Security

Next Fall, HOA will offer a hybrid senior level capstone course called Criminal Justice, which will consist of online course work as well as weekly on-site guest speakers and activities at HOA.

Also new for Hillsboro Online: Agriculture. How can an online school run a Career and Technical Education Program in Agriculture, focused on Horticulture? With online and classroom introductory courses taught by CTE-endorsed teacher Connie Saul. Connie uses HOA online curriculum, her classroom, and the community gardens at Miller Education Center—West to teach students about the field of agriculture. Be watching for more information on this exciting new opportunity available to students at HOA and across HSD.



## EL CAMINO GRANT TO FUND HANDS-ON EXPERIENCES FOR MIDDLE SCHOOL GIRLS

by Rian Petrick, Director

The Hillsboro School District (HSD) and the Chicas Youth Development Programs (Chicas) of Adelante Mujeres are pleased to announce that their proposal, “El Camino,” was awarded \$250,000 by the Intel Foundation through its She Will Connect U.S. grant program. Translating to “the pathway,” El Camino has three main components:



- 1. Adelante Chicas STEM Clubs (\$59,000).** In a unique partnership between HSD, Chicas, and the City of Hillsboro’s Water Department, students involved in Adelante Chicas after-school sessions will get to participate in a special program involving water science in the spring or fall of 2019. Students will also be invited to participate in the Chicas Summer STEAM Camp, where they will be led by high school students in exploratory STEM learning activities. More than 300 students will participate in the after-school and summer programming.
- 2. Middle School Instructional Units (\$90,000).** Paxton/Patterson is a premier provider of STEM curriculum, with pre-designed units focusing on a variety of disciplines, such as Alternative Energy, Pneumatics, Robotics, Structural Engineering, and more. Units will be purchased and put into use at all four HSD middle schools to be used by staff within the instructional day.
- 3. STEM After-School Opportunities (\$100,000).** During the 2019-20 school year, HSD will offer more opportunities for girls in grades 5-8 to participate in after-school STEM learning programs, such as Robotics, STEM Career Exposure, Coding, Computer Sciences, Natural Sciences, Health Sciences, Engineering, and Design. Programming will differ by building, but will be available to all elementary and middle schools.

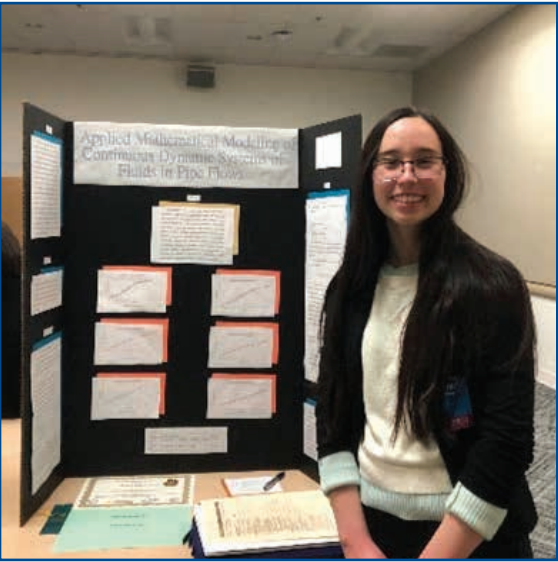
We are extremely grateful to the Intel Foundation for this generous grant and look forward to the amazing opportunities ahead for our middle school girls. If you’d like to learn more about how you can support extracurricular programming for HSD students, please contact Extracurricular Programs Director Rian Petrick at [petrickr@hds.k12.or.us](mailto:petrickr@hds.k12.or.us).



# STUDENT ACHIEVEMENT SPOTLIGHT

## Annie DeForge, Senior, Liberty High School

All of our HSD students are amazing and special in their own way, but Liberty High School senior Annie DeForge is one of those students who is so incredibly impressive it is a bit intimidating! Within seconds of chatting with her, you find yourself struggling to keep up and comprehend the complex terms, models, and processes that she effortlessly and clearly articulates.



Annie DeForge ultimately won Best in Fair at Intel's annual Beaverton-Hillsboro Science Expo for her project titled *Applied Mathematical Modeling of Continuous Dynamic Systems of Fluids in Pipe Flows*.

Annie took first place in the Mathematics category and won Best in Fair at Intel's annual Beaverton-Hillsboro Science Expo in late February for her project titled "Applied Mathematical Modeling of Continuous Dynamic Systems of Fluids in Pipe Flows." For her Best in Fair win, Annie has earned a trip to Intel's International Science and Engineering Fair (ISEF) in Phoenix, AZ, May 12 -17, where she will showcase her work along with students from around the world.

The idea for her research had its roots in her final engineering project for AP Physics her sophomore year, where she designed and built a wind tunnel for aerodynamic testing. By placing an object in the wind tunnel and blowing wind through a funnel shape, you can straighten the flow of the air and examine how that air flow is behaving in relation to the object. Practical applications of this type of research are in the airline and automotive industries.

She had subsequently studied fluid dynamics, which has some similar properties to aerodynamics, and as she was brainstorming ideas for her senior project, that was the field she ultimately selected.

Her project was interesting in that it was not hypothesis-based. Rather, she intended to further the understanding and enhance the tools available for a problem that industry is currently trying to tackle.

The problem is this: how can one predict the behavior of a non-Newtonian fluid when it is subjected to various forces or pressures when you only have limited information about the fluid (e.g. density and viscosity)? Newtonian fluids, such as water, have constant internal friction, or viscosity; non-Newtonian fluids do not. Therefore, how a non-Newtonian fluid "sticks" to itself and other objects will change based on the force applied to it.

An example of a non-Newtonian fluid is oobleck: cornstarch and water. If you hit oobleck, it becomes a solid; but if you stick your fingers into it slowly, it feels like a liquid. Quicksand would be another example of a non-Newtonian fluid.

Annie used various polymers, such as corn starch and xanthan gum to create non-Newtonian suspensions to which she could apply force and then test mathematically.

Her project involved three phases:

1. She first designed an experiment to measure the fluids' viscosity;
2. Next, she created a mathematical model that would help predict the behavior of the fluids at any given moment, given the amount of force applied;
3. Finally, she validated her data by measuring the fluids as they flowed through a pipe.

She derived her mathematical model from the Navier-Stokes Equation—a large, unsteady differential equation that's fairly impractical to work with. For each of her fluids, Annie used the data she

gathered to simplify and approximate behaviors and create parameters based on that equation.

Computational fluid dynamics is a fairly new research area and one for which computer counterparts are currently being designed to perform the types of calculations Annie completed by hand. The benefits of her research are that it provides additional tools and approximation techniques for use in creating more comprehensive and accurate models for fluid behavior.

Many industries and applications have a need for this type of information: manufacturing, municipal water supply, food and beverage, irrigation, product design, material science, etc. One can also apply the techniques and analysis of fluids to non-fluids, for example when engineers study traffic patterns and flow, they can use the same mathematical ideas.

Outside of the lab, Annie runs cross country and track—competing in pole vault, long jump, and triple jump—and plays alto saxophone in the band. She has also played piano for ten years. She plans to major in applied mathematics and data science, possibly at Bentley University in Boston.

All of us in HSD are extremely proud of you, Annie! Congratulations and best wishes to you for continued success at ISEF, in college, and in the future.

## Three HSD Teams Qualify for World Robotics Championships

For the first time ever, students from all four comprehensive high schools in the Hillsboro School District will be participating in the World Robotics Championships, being held April 16-20, 2019, in Houston, Texas.

FIRST Robotics Competition (FRC) teams from Glencoe and Liberty High Schools rose to the top flight of regional competition at the Pacific Northwest District Championship in Tacoma in early April. Team AEMBOT from Liberty led the 6th place alliance through quarterfinals while Team Shockwave from Glencoe led the finalist alliance. Both teams won District-level awards: AEMBOT for Creativity, and Shockwave for Innovation in Controls. In the end, both teams placed in the Top 10 of 151 teams in the Pacific Northwest (AEMBOT #9 and Shockwave #4).

The Awesome Nerds FTC team—a neighborhood team that includes students from Century and Hilhi—will join the large-scale FRC teams from Glencoe and Liberty at the FIRST Championship in Houston. FIRST Tech Challenge (FTC) robots fit easily on a table and include 10 or fewer student members, whereas FRC robots weigh around 120 pounds and have teams with 15-40 students.

The FIRST Championship is a four-day event comprising four competitions: the FIRST Robotics Competition Championship, the FIRST Tech Challenge World Championship, the FIRST LEGO League World Festival, and the FIRST LEGO League Junior World Expo. The FIRST Championship is typically held in conjunction with the FIRST Robotics Conference, which covers a wide variety of topics in the fields of science, technology, engineering, and robotics.



For the first time, students from all four comprehensive high schools will compete in the world robotics championships in Houston, TX.





# CAREER & COLLEGE PATHWAYS

## Career and College Pathway Learning Year Round: Summer Programs with a CCP Focus in the Hillsboro School District

*Providing clear and viable pathways for all students remains a priority in the Hillsboro School District as we continue our focus on career and college readiness.*

Our Career and College Pathways programs bring together community stakeholders, industry partners, students, and parents year-round. The Hillsboro School District offers a variety of options for students to engage in meaningful learning opportunities. The following programs will be taking place during the summer of 2019 in support of our efforts to ensure all students are career and college ready.

### CTE Innovation Camp

Sixty-five middle and high school students have the opportunity to participate in a two-week CTE Innovation summer program, offered by Hillsboro High School, July 23-26 and July 30-Aug 2. The camp is directed by Hilhi staff members Terry Alexander and Miguel Cholula. The camp aims to expose students to different career and technical education pathways that are available as part of our District's curricular offerings. This is a project-based learning experience with emphasis on designing a product, developing a business plan, prototyping and executing the product's creation, testing and presentation. Twelve high school students are selected to receive paid internships to help at the camp. The program is fully funded as a component of our two-year Oregon Department of Education Career and Technical Education Revitalization Grant that was awarded in November of 2017. For more information, please contact Terry Alexander: [alexandt@hsd.k12.or.us](mailto:alexandt@hsd.k12.or.us).

### Hillsboro Youth Connect Camp

The HYCC is a collaborative effort by the Hillsboro School District, Hillsboro Parks and Recreation Department, and the Hillsboro Police Department to provide underserved middle school youth with the opportunity to attend a free week of fun, age-appropriate activities filled with positive messaging, career exploration and learning. The HYCC provides a camp for boys and a camp for girls that both allow the students to interact with nature, visit local businesses, and get tours and training at the Hillsboro Fire Department and Hillsboro Police Department. Students are exposed to interactive games that teach them lessons in teamwork, communication, sportsmanship, respect, and developing a growth mindset. Students also hear inspirational life stories from adults and high school students. HYCC runs during the first two weeks of August. For more information or to find out how to support this program, please contact Director of Extracurricular Programs and Community Outreach Rian Petrick: [petrickr@hsd.k12.or.us](mailto:petrickr@hsd.k12.or.us).

### Girls Chicas STEM Camp

Through a shared STEM partnership between Adelante Chicas and the Hillsboro School District, girls who participate in our two middle school Adelante Chicas clubs (Evergreen and SMMS) can attend a week-long STEM-focused camp that provides students with the opportunity to participate in fun hands-on learning activities in a safe environment that promotes social/emotional health. The Chicas STEM Summer Camp is generously supported by Intel, which supplies volunteers to help facilitate the learning experiences. This STEM Camp runs the 3rd week of July. For more information, please contact Angeles Godinez-Valencia: [agodinez@centrocultural.org](mailto:agodinez@centrocultural.org).

### Spanish Linguistic Immersion Summer Camp

The Spanish Linguistic Immersion Summer Camp provides Dual Language (DL) PK-5th grade students with an opportunity to develop their Spanish language skills. The emphasis is on mastery of foundational skills, grammar, and academic discourse in all content areas, as well as the exploration of diverse college and career pathways. DL students are immersed in the sights, sounds, tastes, and experiences of Spanish language, and understand how their language gift impacts various career paths. For more information contact Raquel Lemus: [lemusgar@hsd.k12.or.us](mailto:lemusgar@hsd.k12.or.us) and Jeniffer Modolo: [modoloj@hsd.k12.or.us](mailto:modoloj@hsd.k12.or.us).

### High School 8.5 Summer Program

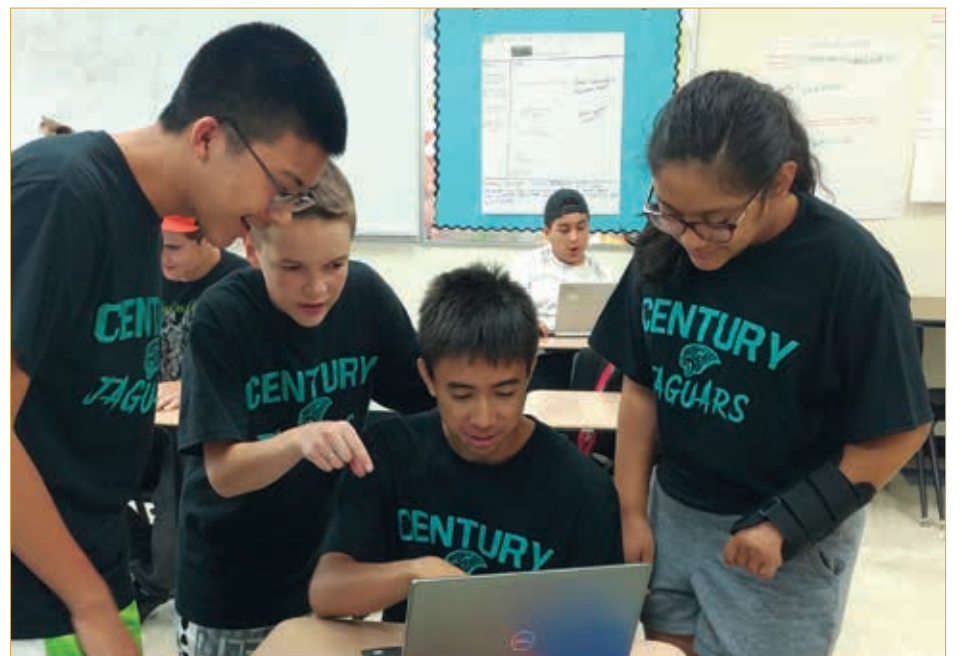
The purpose of the 8.5 summer program is to create an academic and social bridge between 8th and 9th grade. We focus on 9th grade math-focused academic study skills, career and college readiness exploration, and social supports. Our goal is to build positive relationships with other students, staff, and the school culture. Incoming ninth graders from throughout the district start to make connections with other incoming high school students and some of their soon-to-be teachers during the first two weeks of August. Community partner support is also present and welcomed; examples in past years include Dutch Bros, Orenco Eye Care, The Printory and Intel. For more information, please contact Morgan Quimby: [quimbym@hsd.k12.or.us](mailto:quimbym@hsd.k12.or.us).

### Career & College Pathways One-Pagers

As a way to navigate all of the CCP pathways and programs available at the high schools and their feeders, we have created one-page documents that summarize the programs, provide instructors' contact information, and identify course sequences. Programs are always being added and updated every year. To see which pathways are available in your high school feeder at any given time, visit our website by following the link or scanning the QR code below.



[www.hsd.k12.or.us/CCPonepagers](http://www.hsd.k12.or.us/CCPonepagers)



The High School 8.5 Summer Program has helped students in skill development, math practice, and career/college readiness. The program is available at all four of our high schools with multiple sessions available.

This is an exciting time for business partners to volunteer, sponsor programs, and host student interns.

For more information on internship opportunities, explore our internship portal: [www.hsd.k12.or.us/CCPintern](http://www.hsd.k12.or.us/CCPintern)

Stay up-to-date on Hillsboro School District's Career and College Pathways program as we continue to grow! Please visit the HSD Career & College Pathways website at: [www.hsd.k12.or.us/CCP](http://www.hsd.k12.or.us/CCP)



[www.hsd.k12.or.us/CCP](http://www.hsd.k12.or.us/CCP)



# Volunteers & Donations



Here at HSD, we are fortunate to have so many generous donors and volunteers supporting our staff, our children and our families. The needs that are met by every individual and community partner have a lasting impact on our culture and make us who we are today. We are better because of all of your generous hearts. Thank you, from the bottom of ours!

## Volunteer Hero: Williane Tenca

In this issue of *A Look Inside*, we'd like to spotlight one of our volunteer heroes: Williane (Willie) Tenca, Head Coach of Glencoe's FIRST Robotics Competition (FRC) Team 4488 Shockwave.

"Hero" is a pretty powerful word, but one that is not misplaced when describing Willie. The amount of time, dedication, and number of personal sacrifices she has made for the sake of student learning and experiences is simply remarkable.

Originally from Brazil, Willie earned a Bachelor of Arts degree in Social Communication and Advertising before moving to the States with her husband Alex, who earned his PhD in Computer Science at UCLA. A job opportunity moved the couple and their two sons to Corvallis, where Willie began a Post-Baccalaureate program in Computer Science and secured a job as a project manager.

When her older son Jean entered Crescent Valley High School in 2003-04, it just so happened that the school was starting an FRC team (Team 955)—one of the first in Oregon. Jean joined the team and Willie agreed to help provide supervision, write the handbook, fundraise, etc. Meanwhile, younger son Caio, a 7th grader, was participating on a FIRST LEGO League (FLL) team at his middle school.

And, just like that, a spark was ignited in the family and there would be no looking back. Willie soon dropped her classes and quit her job so she could focus on robotics.

The family moved again in the summer of 2004 and both boys wanted to continue participating in robotics. The Tencas based their home search on finding schools with teams their boys could join—or at least ones that had a willingness to start those programs. A chance meeting of the Westview High School shop teacher in the parking lot of Liberty High School, of all places, (where they had intended to meet with Chris Steiner, who was working there as a science teacher at the time) led the Tencas to Westview. There, Willie founded and coached Team 1510 for the next three years.

She then took a break from coaching and served on the planning committee for FIRST Oregon and FIRST Washington for several years. She also started her own localization engineering company. But she missed the kids, and when a request was made of Jean in 2013 by Chris Steiner—who at that time was HSD's science teacher on special assignment—to help start an FRC team at Glencoe High School, Willie came along with him.

By then, Jean had earned his Bachelor of Science in Electrical Engineering from the University of Washington and had joined his father working at Synopsys. Jean had always enjoyed the more technical aspects of robotics, while his mom was good at management. So it was a natural fit for Willie to assume the coaching role, while Jean took on the role of head mentor.

These days, Willie, Alex, Jean, and Jean's wife Sarah are all involved with Team 4488 Shockwave. Willie is the Head Coach, Alex is the Programming Lead Mentor, Jean is a Head Mentor and Integration Leader, and Sarah is the Strategy Lead Mentor and Mechanical Mentor. Between the four of them, they have volunteered more than 2860 hours this season—with 1195 of those hours logged by Willie alone.

Caio and wife Rebekah would likely be involved as well, if they lived closer and weren't caring for two young daughters. Both Jean and Caio planned their weddings around robotics, and Caio and Rebekah planned the birth of their children around robotics—that is true dedication!

Willie is a respected leader in the FIRST community. She has designed all pit (competition layout) maps for competitions in the Pacific Northwest since 2011, and she holds workshops and trainings for other schools either wanting to improve or start teams.

Soft-spoken and extremely humble, Willie is certainly not one to seek the spotlight. She is all about the kids. She is as proud of each of them as she would be if they were her own children, and she has a lot to be proud of. In the last seven years, Team 4488 Shockwave has built 25 robots, competed in 36 events, and earned a total of 56 awards. Last year, the team competed in the Houston World Championships where they finished 5th out of 3600 teams. They have qualified to return, along with Liberty's Team 6443 AEMBOT and FTC team Awesome Nerds (see p. 12), so we will be excited to hear how they fare.

The words "thank you" simply don't seem nearly enough for everything Willie and her family have given to students on Team 4488 Shockwave. But please know that we do thank you, and that we are endlessly grateful for your time, talents, and passion.

## Glencoe Robotics Team 4488 Shockwave

Glencoe High School's robotics team, Team 4488 Shockwave, has had a very successful 2018-19 season. Follow the link or scan the QR code to watch a video featuring the team, students, and the unveiling of their competition robot during the 2019 RoboExpo.



Pictured left to right: Jean Tenca, Willie Tenca, Shockwave team captain Anna Meneely, City of Hillsboro Mayor Steve Callaway, Shockwave team captain Shawn Grewal and Shockwave team captain Brittan Crays.

### Celebrate Public School Volunteer Week

## April 22 - 26, 2019!

Volunteer Information: [www.hsd.k12.or.us/volunteering](http://www.hsd.k12.or.us/volunteering)





# Community Partners

## Hillsboro Schools Foundation

### Shred Event

The Hillsboro Police Department, in collaboration with the Hillsboro Schools Foundation, is holding a Shred Event on Saturday, May 4, from 8 a.m. to 12 p.m. at the Hillsboro School District Office, 3083 NE 49th Place. Secure shredding on-site; three banker box-size limit; event ending time may change if trucks fill sooner. There is a \$5 suggested donation that will benefit the Hillsboro Schools Foundation.

### HSF League

As a volunteer-driven organization, there are a wide variety of opportunities to share your time and talents with the Hillsboro Schools Foundation. From helping plan the annual Gala & Auction, to participating on the Innovative Grant Committee, to assisting with community outreach, and much more—HSF needs you! Visit [www.hsfonline.org](http://www.hsfonline.org) to learn more.

## Hillsboro Chamber of Commerce

Just after press time is the Chamber's **Annual Crystal Apple Awards Dinner**, honoring thirty-two staff members who exemplify excellence in education. Visit [bit.ly/2UHj5eG](http://bit.ly/2UHj5eG) to see who was nominated and which were selected for the coveted award.

Next up is the **Hillsboro Awards Gala** on Thursday, May 9, from 5:30 p.m. to 9 p.m. at NW Events and Environments, 2900 NE Century Blvd., at which several members of the community will be recognized as “shining stars” and honored for their significant contributions to Hillsboro. One of the categories is Outstanding Youth, which this year will go to Glencoe Junior Ryan Smith. Ticket are \$70 each and can be purchased at [www.hillsborochamberor.com](http://www.hillsborochamberor.com).

Finally, on Sunday, May 19, from noon to 5 p.m. the **15th Annual Latino Cultural Festival** will take place in downtown Hillsboro. Featuring performances, activities, food, artisan booths, and more, this free, family-friendly event is not to be missed!

## Hillsboro Police

### Drug Turn-In Event

The Hillsboro Police Department is hosting a prescription drug turn-in event on Saturday, Apr. 27, from 10 a.m. to 2 p.m. at their main precinct, 250 SE. 10th Ave. No sharps, intravenous solutions or medical waste accepted. For more information on accepted items, please contact Earleen Reimann at 503-681-5207 or [earleen.reimann@hillsboro-oregon.gov](mailto:earleen.reimann@hillsboro-oregon.gov).

## Parks & Recreation

### Summer Camp Registration Now Open

Stay close to home this summer by choosing from Hillsboro's aquatic and sports camps, adventure and nature camps, STEAM camps, and performing arts camps. A variety of schedules, activities, and prices brings summer camp within reach of every family. With more than 80 camps available, campers can make the most of their summer vacation. Make your selection today at

[www.hillsboro-oregon.gov/summercamps](http://www.hillsboro-oregon.gov/summercamps).

## Walters Cultural Arts Center

The final two performances of the 2018-19 concert series are taking place in May:

- **Acoustic Guitar Summit**, Friday, May 3, 7:30 p.m., featuring Grammy Award winner Mark Hanson, Oregon Music Hall of Fame member Terry Robb, and special guest Jeff Peterson. Tickets are \$18 in advance and \$22 the day of the show.
- **Portland Youth Philharmonic**, Saturday, May 18, 2 p.m. Portland Youth Philharmonic brings together some of the country's finest, emerging musicians known for excellent and adventurous performances. Tickets are \$5 in advance and \$8 the day of the show.

If **classes** are what you're interested in, Walters has classes for toddlers and parents, youth, teens, and adults in clay, painting, drawing, guitar, and more! Visit their website at [bit.ly/2OY0ypo](http://bit.ly/2OY0ypo).

## Hillsboro Public Libraries

Hillsboro Public Libraries will celebrate **Día de los niños (Childrens Day)** with special activities, books, and cake on Sunday, Apr. 28, from 3:30 p.m. to 5 p.m. at Shute Park, 750 SE 8th Ave.

Then on Saturday, May 18, the Library Foundation of Hillsboro celebrate its 30th anniversary by hosting a social hour, dinner, and conversation with **Phillip Margolin**, Portland defense attorney and New York Times bestselling author of legal thrillers. He will be sharing insight into his career and discussing *The Perfect Alibi*, one of his twistiest, most compelling crime novels yet. Tickets are \$75 and can be purchased at [www.libraryfoundationhillsboro.org](http://www.libraryfoundationhillsboro.org).

## Bag&Baggage Productions

The final production of the 2018-19 season for Hillsboro's very own professional theatre troupe, Bag&Baggage Productions, is **Peter and Wendy**. The show is decidedly not for children, but instead is a uniquely Bag&Baggage exploration of one of the great classics of Western literature. Performances May 2-19, 2019, at The Vault Theater, 350 East Main St., Hillsboro. Visit [www.bagnbaggage.org](http://www.bagnbaggage.org) for more information and to purchase tickets.

## STAGES Performing Arts Youth Academy

STAGES Performing Arts Youth Academy is pleased to present its spring play, **Honk! JR.**

Adapted for young performers, *Honk! JR.* is a heartwarming celebration of being different that is sure to delight audiences of all ages. Performances Fridays, Saturdays, and Sundays, April 19 through May 5. Adult tickets \$15, youth tickets \$13, at [www.stagesyouth.org](http://www.stagesyouth.org).

## Hillsboro Rotary

Here are the Students of the Month (since our last issue) who were selected by their counselors to present school updates to the Hillsboro Rotary Club. Each is eligible to compete for a Rotary scholarship.



Huan Tran  
Hilhi



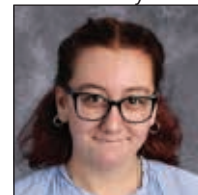
Morgan DeBord  
Glencoe



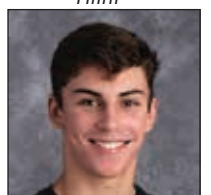
Jed Steinhoff  
Liberty



Sydnie Rissel  
Hilhi



Chloe Ollila  
HOA



Aidan Maloney  
Liberty



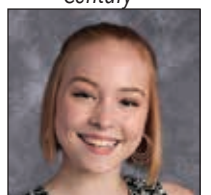
Makayla Butler  
Century



Linda Monterosso  
Century



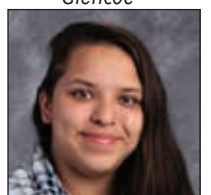
Shawna Ashley Ingram  
Hilhi



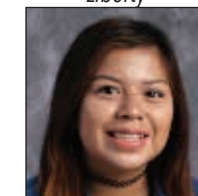
Allyson Giard  
Glencoe



Deja Stubbs  
Liberty



Jennifer Gonzalez-Phillips  
Hillsboro Big Picture



Britney Garcia  
MEC Connect



File Aguilar Valencia  
Hilhi



Johnny Ngo  
Century



Chivon Ou  
Liberty



Noe Castillo  
Glencoe



Libby Teays  
Century



**HILLSBORO** SCHOOL DISTRICT  
Presents Presenta

5<sup>th</sup>

*proud  
to be*

# ANNUAL HSD FESTIVAL

5<sup>to</sup>

*orgullosos  
de ser*

# FESTIVAL ANUAL HSD

*a showcase of student creativity and talent*

*una exhibición de creatividad y talento estudiantil*



Join us as we feature student performances, an art walk, STE(A)M Pavilion, Career and College Pathways, community partners, cornhole tournament, mascot challenge and more!

**Saturday, May 11th 2019**

**8am-1pm**

Downtown Hillsboro

*In conjunction with Hillsboro Farmers' Market*

¡Acompáñenos! Tendremos presentaciones estudiantiles, exhibición de arte, pabellón STE(A)M, Caminos a la Profesión y a la Universidad, socios comunitarios, torneo de *cornhole*, concurso de mascotas escolares y ¡más!

**sábado, 11 de mayo de 2019**

**8am-1pm**

El centro de Hillsboro

*En conjunto con Hillsboro Farmers' Market*

[www.hsd.k12.or.us/festival](http://www.hsd.k12.or.us/festival)

#ProudtobeHSD

#HSDmascotchallenge