

BACK TO SCHOOL EDITION



Educated

BYU alumna writes best-seller

Page 3



Football

Cougars open season with first win

Page 13



Jigabot

Tech startup invents new camera

Page 7

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September 4-10, 2018

THE UNIVERSE

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Provo, Utah

Welcome back Cougars: Learn what's new at BYU



Ty Mullen

Incoming BYU freshmen gather for lunch on campus during new student orientation. More than 7,500 freshmen were accepted at BYU for 2018 Spring and Summer terms and Fall semester.

By EMMA BENSON

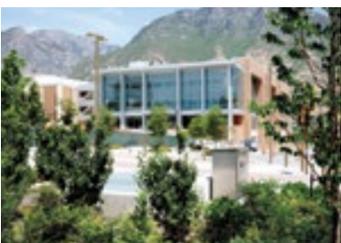
Now that classes are back in full swing, students will want to know about some important updates and what's changed on campus.



UVX and UTA transportation

BYU students can ride UVX and UTA for free. Students must swap out their old ID cards for the new, chip-embedded ID card. Available to students without charge are the Front-runner, TRAX, the S-line, or the newly opened Utah Valley Express (UVX), which runs every six minutes from multiple stops in Provo and Orem, linking BYU and UVU.

See page 6 for additional details.



Engineering Building

Engineering and technology students will be attending classes in both the Clyde Building and the new five-story Engineering Building next door. The 200,000 square-foot structure is now open. The new building will also have a restaurant located inside, Harvey's Cafe, named after the famous BYU alumnus Harvey Fletcher. The cafe will open the second week of September and will serve breakfast, sandwiches, salads, soups and gelato from the BYU Creamery.

Customized soda options



If you like Sodalicious, you'll like having the option to buy a mixed soda drink right here on the BYU campus. With the Coca-Cola Freestyle app, users can customize their soda and mix flavors to create a personalized drink from the Cougarreat.



Updated stadium Wi-Fi

LaVell Edwards Stadium now includes improved Wi-Fi connection, an interactive Game Day app and additional food options.

BYU has recently partnered with Verizon Wireless and Extreme Networks to improve cellular and Wi-Fi connection at LaVell Edwards Stadium.

As the first collegiate football stadium in Utah to have an NFL-caliber Wi-Fi system, LaVell Edwards Stadium's new technology will be ready for the first home BYU football game on Sept. 8.

Also available by the first home game is the new, interactive Game Day app. The app's features include instant replays, highlights videos, detailed maps of the stadium and live audio commentary.

According to General Manager of Retail Dining Barbara Lettich,

starting on Sept. 8, the Cougarreat's "Aloha Plate" will be a food choice available for purchase at the stadium.



Four new academic majors

With 179 major programs and 107 minors, BYU offers a wide variety of learning experiences to students. But now, there are even more to choose from. BYU recently launched four new majors and a new minor, available to students starting Fall 2018.

The degrees include a Bachelor of Science in cybersecurity, a Bachelor of Science in statistics with an emphasis in data science, a Bachelor of Arts in editing and publishing, a Bachelor of Arts in design and a minor in design thinking.



2018 Game Day shirt

The BYU Store announced that the new 2018 Game Day shirt is available for purchase. Get your Game Day shirt

for \$10 in time for the first home BYU football game.



HBL renovations

The Harold B. Lee Library is undergoing several renovation projects to better fit students' academic needs.

The library renovations began over the summer, and some of the renovations will take years to complete. However, the changes to the Learning Commons are scheduled to be finished for fall semester.

Some of the other renovation projects include the expansion and relocation of the Research and Writing Center to the Learning Commons on the third floor of the library, the expansion of the third floor restrooms and the creation of a hallway from the snack zone to the Learning Commons by moving the Accounting Lab to the first floor and the Accessibility Lab down the hall from its former location.



BYU 'Spectacular!'

Grammy award-winning singer-songwriter Colbie Caillat and American Idol runner-up and singing sensation David Archuleta have been announced to headline the 2018 BYU "Spectacular!" Homecoming event on Oct. 11 and 12.

Presented by BYU Alumni, the 90-minute BYU "Spectacular!" show will feature performances from

Caillat and Archuleta, as well as a selection of BYU's talented performing groups including Vocal Point and the Cougarettes.

April Commencement ceremonies

A recent announcement from University Communications stated that starting April 2019, BYU will move to a single, annual commencement ceremony. Rather than holding commencement exercises following each winter semester and summer term, all graduates, regardless of which month of the year they finished, are invited to participate in the same commencement ceremony.

Evidently, students who will graduate in December 2018, April 2019, June 2019 and August 2019 will participate in the April 2019 commencement ceremony.

New BYU Creamery flavor

The BYU Creamery introduced a new flavor on Aug. 30. The BYU Sports Nation themed "Blue Goggles" ice cream — dyed blue, of course — consists of mint, cookie dough and chocolate-covered candy pieces. It is considered the "freshman flavor" this week, according to BYU Dining Executive Chef John McDonald.



Universe Plus app

With the new Universe Plus app, BYU's newspaper comes to life with augmented reality. App users can scan the Universe Plus icon located on the print version of a story to watch a video related to the article, listen to a foreign language translation, view a photo slideshow, or use it to connect to a web address. Download the interactive app today!

For more information visit unvr.se/ar.

Wedding photographers reach Utah demographics

BYU senior builds social media-based business

By ERICA WEST

Instagram can be a photographer's best friend, and Tressa Wixom has used it to her advantage. She's found her niche while still in school: high-end Utah weddings.

Wixom's Instagram account is a carefully curated portfolio of her best work. In the year since she created the account, it has grown to include over 5,000 followers. More importantly, her following and engagement online translates to booked sessions.

Wixom didn't always want to be a photographer. Originally she thought she'd do graphic design, so she spent a year working hard on a graphic design portfolio.

When it came time to apply

for the graphic design program, she realized it wouldn't cost her any extra to also apply for the photography program.

Wixom put together a photography portfolio in about a week but still tried to showcase her best work. Creating the photography portfolio helped her discover how much she enjoys taking and editing photos.

"It came so much more naturally to me," she said.

When she heard back from The College of Fine Arts and Communications, she had not gotten into the graphic design program, but she did get into photography.

Now, as a senior, Wixom's path to becoming a freelance wedding photographer is unusual among her classmates.

"A lot of my major is commercially based or fine art based," she said. "People will



Ashley Zibetti

Utah wedding photographer Tressa Wixom at her own wedding in 2017. Wixom said she loves capturing a couple's love through photography.

intern and make their way up and go to New York. It's a way different world than owning your own business and social media."

When she was still new to the

while she was still in school, and I said, 'I want to do that,'" Wixom said.

Almost one year ago, Wixom decided to focus on photographing couples and worked to build a portfolio for wedding photography.

"I just started copying what the people who knew what they were doing were doing. I worked hard at editing, went to workshops, networked and tried to find my own style," she said.

One turning point in her career was attending the Photo Native conference in Salt Lake City in March 2018.

"It opened my eyes to what I was doing wrong on Instagram," she said.

A big takeaway from the conference was the need to keep a consistent style on her Instagram account.

Wixom said at the conference, Utah photographer Kenzie Victory told her, "You are a product, and if your photos don't look consistent, then people aren't going to know what they're buying."

After taking this advice, Wixom said she felt like people

were more interested in her account, and she started gaining a greater following.

"I think one thing that has helped her business grow is that she's really nailed down her style, so her clients know what to expect and are more confident when booking her," said Jessica Johnson, one of Wixom's past clients.

While some photographers shoot weddings for the money in between bigger commercial jobs, Wixom photographs weddings because she said she loves building relationships with couples and capturing their love.

"She's so good at catching authentic love on camera. She always makes me feel like it's just me and my husband on a date, so I'm never nervous to be in front of her camera," said Johnson.

Wedding photography isn't just a source of income for Wixom. She said she loves it and plans to focus on high-end weddings after graduation.

"I want all my couples to care about their photos. I want them to invest in their photographs," she said.

Wedding photography on a budget

By ERICA WEST

The average U.S. couple pays about \$2,000 for wedding photos, according to the Wedding Wine. However, local Utah photographers say their clients often pay less.

Utah photographer Veronica Renda said her wedding clients usually pay about \$1,200. Another area photographer Mitchell England said his clients pay \$100 per hour for wedding photos.

Renda, a photographer in Chicago, pointed out many differences in wedding photography in Utah and Chicago.

One big difference is a \$2,000 price increase for the Chicago weddings.

"Rather than an all-day photographer, Utah clients are looking more for temple photos and a little bit of reception," Renda said.

Fewer hours of service is partly why Utah wedding photography often costs less than the national average.

At Chicago weddings, Renda follows the bride and groom and their families all day, documenting the entire process from getting ready to the ceremony to the reception afterward.

Even with the difference in cost and time spent, Renda said

her clients in Utah and Chicago treat her with equal respect and appreciation.

"No matter where you go or what you like, the same slogan seems to fit pretty well: You get what you pay for," Renda said.

Multiple photographers shared stories of people going with a family friend or amateur with costs far below average. In these cases, the couple spends hundreds of dollars and ends up feeling disappointed with the finished product.

Some couples choose low-cost photographers because wedding photography isn't a priority for them.

"There are many people who are just looking for a good deal and honestly only get pictures because it's a culture to get pictures for different events. So those photographers fill that market," England said.

However, as Renda said clients will get what you pay for.

"I don't think couples usually will get good photos if they pay less than \$1,000," local photographer Tressa Wixom said.

Many people don't realize that unlike many other aspects of the wedding, photography and videography is an investment.

"Most don't understand photography for it's worth," said England.

Choosing a good photographer or videographer

A good photographer or videographer is also a good business person. "If they take themselves seriously, then



Tressa Wixom

Utah photographer Tressa Wixom focuses on capturing the details of couples' special moments.

they'll take you seriously, and they'll give you what you want," Wixom said.

Photographers who are easy to contact, offer consultations before beginning the relationship and have a professional website and portfolio show that they take their work seriously.

Wixom also suggests looking at a photographer or videographer's Instagram profile and seeing who their clients are. Sending the photographer's past clients a private message and asking them about their experience is a great way to find out if the photographer is professional and easy to work with.

To find a good videographer, local videographer Madisyn McKay recommends to "do your research."

"It's important to weigh quality and price. You can balance these two as you do your research," McKay said.

While she said deciding whether a videographer is good is based on personal preference, McKay shared some signs to look for to tell if a videographer is skilled.

"Some things to look for are smooth transitions, clear shots and editing the video to the song," McKay said.

The cost for wedding videography can be close to \$1,000 or more because the cost comes from the many hours of work the videographer puts in per wedding.

"A videographer does a lot more than just putting together a video. The cost also includes the time, travel, committing an

entire day to filming, the five to six hours of editing and the price to license the music for the videos," McKay said.

Along with professionalism and skill, finding a photographer or videographer who loves shooting weddings is key.

"I want all my couples to care about their photos. I want them to invest in their photographs," Wixom said. McKay also wants her clients to value their investment on wedding videography.

"Creating video content, especially wedding videos, is not just a job for me or a fun little side hobby. It's a passion and a lifestyle," McKay said. "Videography, to me, is a lot more than just the videos. It's the people, the music, the passion and, more importantly, the memories."

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BYU alumna writes New York Times' best-seller

By AIMEE COLTON

BYU alumna Tara Westover is the author of New York Times' best-seller "Educated: A Memoir."

"Educated" is about Westover's unique childhood growing up in a survivalist family and her pursuit to leave home and gain what had always been kept out of her reach — an education.

Westover was raised in rural Idaho where she and her six siblings were home-schooled. Her family attended the local ward of The Church of Jesus Christ of Latter-day Saints, but they practiced an extreme fundamentalist Latter-day Saint life that did not resemble the religion others in their ward were following.

Westover was told by her parents that the girls in her dance class were "harlots" for wearing tights and that women who wore tank tops were "gentiles." She was also taught that the more righteous a man was on earth, the more wives he would be rewarded with in heaven.

Along with their particular religious adherence, Westover said her parents had a deep-seated distrust for the government. In her book, Westover said her parents were paranoid about government influence in schools, hospitals and law enforcement. Because of this, the first time Westover stepped into a classroom was when she attended BYU at age 17.

"The odds of me being there — with my background — were pretty stacked against me," Westover said.

Although Westover was home-schooled, she received little to no education. At home, she mostly helped around the house or worked with her father in the junkyard. There was no reading or studying involved in her day-to-day life. Her parents did not have any books at home except the Book of Mormon and writings of church prophets.

Westover did not see college as an obtainable future for many years, and it was only after her brother Tyler left home for BYU that she realized it could be a possibility. It was this same brother who encouraged Westover to teach herself algebra so she could take the ACT and apply for BYU.

"Tyler and I haven't always been close, but he's always come back into my life at key moments when I really needed him," Westover said.

In her first class at BYU, an American history class held in the Joseph Smith auditorium, Westover was confused when she came upon the word "Holocaust." After asking the professor what that word meant,



Tara Westover is a BYU graduate and author of the New York Times' best-seller "Educated," a memoir about Westover's path from rural Idaho to BYU to Cambridge University.

Westover was met with disgust and intolerance at her question because the students believed she was trying to make a joke.

After class, Westover raced to a computer to learn what "Holocaust" meant, and she was shocked to learn for the first time about the genocide of millions of people. Westover soon decided history as her major.

"I wanted to keep learning, and I had to know what else was out there that I didn't know about," she said.

After receiving a B.A. in history in 2008, Westover went on to obtain a master's and a Ph.D. from Cambridge University.

"I didn't know what was in front of me, but I knew what was behind me," she said.

Westover knew she did not want to return home to work in her father's junkyard, and this prompted her to continue learning after BYU.

In addition to an aversion to public schools, the Westover family never sought medical treatment from hospitals — even when they were seriously injured.

In her book, Westover shares the harrowing story of a time when her family was in a car accident and her mother sustained serious injuries. She wrote about how blood had pooled around her mother's eyes, giving her mother the distinct look of a raccoon.

Her father did not take her mother to the hospital because of his distrust of institutionalized medicine. Because of this, Westover's mother could not be around light for months because it gave her splitting headaches.

After the accident, Westover also remembers noting an unmistakable change in her mother's personality. Later, the author would learn that "raccoon eyes" is a sign of a severe and traumatic brain injury.

Westover herself would get injured while working in the junkyard, but she would not receive any sort of treatment from a hospital either. However, Westover's injuries were not always external. She suffered abuse from family members as well. Her older brother — whom she calls Shawn in the book — physically attacked her several times in her teenage years.

Westover remembered waking up one morning to her brother's hands around her throat. He strangled her while calling her a "slut" and a "whore" and dragged her around the house by her hair. It was this experience that helped Westover realize she could not stay in the house any longer and that she needed to apply for college.

For Westover, an education meant more than just teachers and books and studying. It was freedom and safety. It was also the first time she would learn about herself separate from her family.

"I wrote the book to try to expand the idea of an education beyond job training," Westover said. "Education can be the opportunity for individuals to self-create and find themselves in their own way."

She also explained that she wrote it for those who might find themselves in similar situations.

"I wanted to write it for others who had family difficulties and

make them feel not alone. If the book is getting to some of those people and getting to those kinds of things, it's doing everything that I hoped for it," Westover said.

"Educated" tells the story of a young girl's strength, determination and courage to discover the truth on her own.

The book hits especially close to home for many BYU students and professors.

"As a student myself, it was easy to see similarities between the author's experience and my own, but it was also sad because our experiences were so different at the same time," BYU psychology student Alaina Sanderson said.

Sanderson shared that their experiences were different because Westover did not have the support and help of a family. She added that her biggest takeaway from the book was a feeling of gratitude.

"The book reminded me to

never take my own family and education for granted," Sanderson said.

Assistant history professor Paul Kerry was one of Westover's professors during her time at BYU. Kerry remembers Westover as an observant, disciplined and self-motivated student.

"She was possessed of an inner drive to succeed that manifests itself in how she would attack her research and invest many hours of hard work in projects," he said.

Kerry said Westover's story reminds people to look out for each other because they do not know what challenges people are facing in their personal lives. The history professor, who makes several appearances in Westover's book, said his biggest takeaway from "Educated" is the powerful narrative woven throughout the book.

"There has been high praise for so much in it — for her nuanced reflections on family

life, her well-honed writing, her strength of character and perseverance — yet her insights, embedded throughout the narrative, on what it means to be educated are among the most compelling in the book," Kerry said.

Westover said she is grateful for her time at BYU.

"BYU provides a terrific education — it gave me a good foundation," she said. "It also has a wonderful tradition of pastoral care that was very important to me."

Westover shared that her bishop at BYU helped her through some of the more difficult things in her life.

Although Westover is not a practicing member of the church, she said she has nothing but friendly feelings toward the church. She knows the religion she was raised in was different than that of mainstream Latter-day Saint belief.

"My family wasn't representative of the church," she said. "People should understand that the things in my family that were difficult or challenging or unusual or extreme — they weren't necessarily Mormon."

Westover included an author's note at the beginning of the book clarifying that her book is "not about Mormonism." She explained that her book is a memoir of her own path to self-discovery.

"Self-discovery is about how you come to find yourself in connection with your parents and in distinction from your parents," Westover said.

Her advice to current BYU students would be to enjoy this time and not to panic about deciding who they are too early. She encouraged students to take the time to explore all opportunities offered at BYU and appreciate and understand different ways of thinking.

"Education is the possibility of change and acquiring new skills and experiences and new ideas," she said. "I don't have to accept who I am now or the life I have now if I don't want to."

SEPT. 11

UNIVERSITY DEVOTIONAL
Tuesday, September 11
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This devotional will also be broadcast in the JSB Auditorium.



President Kevin J. Worthen
Sister Peggy Worthen

Brigham Young University has framed much of Kevin J. Worthen's life. From a childhood fascination with Cougar sports to his years as a student, professor, and administrator, the 13th president of BYU has been inspired by the mission and ideals of the university.

Born and raised in Carbon County, Utah, President Worthen received an associate degree at the College of Eastern Utah, where he was a co-captain of the basketball team. At BYU he received a bachelor's degree in political science and a juris doctor degree before leaving in 1982 to clerk for Judge Malcolm R. Wilkey of the D.C. Circuit Court and then for Justice Byron R. White of the U.S. Supreme Court. After a brief career at a law firm, Worthen returned to BYU in 1987 as a law professor. He

was dean of the Law School for four years before being named BYU's advancement vice president in 2008. In May 2014 he became president of the university.

President Worthen has been a bishop and stake president and currently serves as an Area Seventy. He dated and married Peggy Sealey after his mission to Monterrey, Mexico. When the last of their children started school, Sister Worthen began pursuing a degree in English at BYU, graduating in 2003. She is known for her sense of humor, abundant energy, and a variety of interests, from sewing to hiking to reading. She has filled numerous Church assignments, including many years as a Young Women camp leader. The Worthens have three children and five grandchildren.

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Communities come together for suicide prevention

By AIMEE COLTON

On June 19, 2014, Laura Warburton lost her 16-year-old daughter, Hannah, to suicide.

"When people choose suicide, they think in their broken thinking that they are doing their families a favor," Warburton said.

According to Warburton, Hannah wrote in a note to her family that she felt like a burden to them. Warburton said if her daughter had only asked, she would have explained no one is a burden on their family and would have done everything in her power to give her daughter hope.

But Hannah never asked.

Unfortunately, the Warburton's are not the only family to deal with such a tragedy — suicide is something Utahns are all too familiar with.

Utah ranks fifth in the nation in suicide rates; the rate increased by 141.3 percent from 2011 to 2015, according to the Center for Disease Control and Prevention. Suicide is the leading cause of death for Utah youth ages 10-17.

As a society, people have been trying to understand the causes for suicide for decades, but according to Warburton, a person attempts suicide when he or she has no hope, when the thought of taking his or her life is no longer scary and when he or she feels like a burden on loved ones.

Experts have attributed the rise in suicides to a variety of factors including societal pressures, increased amounts of stress and anxiety, underlying mental health illness, alcohol and drug abuse, conflict with loved ones, unsupportive families of LGBT individuals and a genetic history of mental illness or chronic diseases, according to the Mayo Clinic.

Utah government, communities and schools are implementing serious changes by placing a greater emphasis on suicide prevention through heightened mental health resources and by asking others to take a more active role in the conversation.

Government changes

In a past legislative session, Lt. Gov. Spencer Cox and others formed a suicide prevention task force. This task force is comprised of government representatives, community leaders and health experts. Together they helped push legislation through to provide more resources for suicide prevention, helping to pass six bills centered on this purpose.

With the legislation passed, the task force gained funding for



AFSP Utah

The Utah chapter of the American Foundation for Suicide Prevention is an organization dedicated to bringing awareness about resources and aid to those affected by suicide. Taryn Aiken is a founding member of the Utah chapter.

Mobile Crisis Outreach Teams. These teams provide free mental health intervention, consultation and support for residents and their families experiencing mental health crises.

"When someone experiences a crisis, instead of sending the fire department, we roll out a car or van with trained mental health workers," Cox said.

According to Cox, the task force was initially intended to be short-term, but it may be implemented again in the future because of its success.

The Utah government has also backed a crisis app called SafeUT. The app allows people to anonymously communicate with licensed mental health professionals through a chat and call crisis line. Additionally, it allows students to submit a tip if they see something unsafe happening in their school. Although the app was initially for students, anyone can download it.

"The SafeUT app is saving lives every day. It's mind-boggling," Cox said.

In addition to affecting change locally, Utah leaders are making a difference at the national level. Sen. Orrin Hatch (R-Utah), and Rep. Chris Stewart, (R-Utah), introduced the National Suicide Hotline Improvement Act, signed on Aug. 14 by President Trump. The act will create a three-digit hotline, similar to 911, allowing people to access

mental health professionals in a more efficient way than currently provided.

In a press release, Hatch said, "With this topic, my heart is both heavy and hopeful — heavy because suicide has already taken so many lives; hopeful because this legislation can turn the tide in the campaign against this epidemic."

Community changes

Utah communities are also taking a stand against suicide.

Taryn Aiken, a founding member of the Utah Chapter of the American Foundation for Suicide Prevention, said prevention starts with education and reform.

"I'm tired of creating awareness — it's time to take action," Aiken said.

As a member of the task force, Aiken has certainly taken action. But her reach goes beyond government legislation. As a trained mental health professional, she uses her expertise to educate others on suicide prevention and travels as a motivational speaker.

Aiken said she shares her personal experience as someone who attempted suicide multiple times throughout her life and her intimate understanding as a daughter whose father died by suicide in 2002.

"We need to be vulnerable, and we need to be open," she

said. "None of us are immune."

Aiken said she is tired of people waiting until a suicide happens to take action. Aiken said she believes the community needs to get in front of the issue and proactively seek solutions to end the health crisis.

"We need to let people know that seeking help is a sign of courage and strength," she said. "It's OK to struggle, but you don't have to do it alone."

Through peer-to-peer intervention, a group called the Hope Squad is another organization seeking to make a difference.

Greg Hudnall, founder and executive director of Hope4Utah said this peer-to-peer interaction is what has been missing from suicide prevention initiatives. Hudnall said he believes it is going to take more than health professionals and teachers to save Utah teens; it also needs to include the very teens people are trying to save.

The Hope Squad is formed by students. Students nominate fellow classmates who they feel comfortable sharing sensitive information with, and the top-nominated students come together as the Hope Squad. The Hope Squad students are trained to recognize the warning signs of suicide and alert adults to provide help to students who might be struggling.

At Independence High School in Provo, where Hudnall was once a principal, there was an average of 1-2 suicides a year. He said he realized students are far more likely to form connections with other students and will confide in them first.

"We really promote connection. It's all of us working together that is going to make a difference," Hudnall said.

The Hope Squad works as a reference for community partners. According to the former principal, Hope4Utah partners with a variety of local mental health organizations that

provide the necessary care and assistance for students who may be at risk for suicide.

"They say it takes a village to raise a child," Hudnall said. "I think it takes a community to save one."

School changes

In addition to the Hope Squad, schools are providing other resources for students to get help. The Jordan School District, in particular, is making serious changes. Recently, the district implemented full-time psychologists in every elementary school, middle school and high school.

Jordan School District Health and Wellness Specialist McKinley Winters said these psychologists will help students get more access to help inside and outside the school.

"A school isn't built to treat illness," he said. The on-site psychologists are not necessarily there to treat all students but to connect them to more help outside the school.

This additional resource will allow for help to be provided at an earlier stage and, hopefully, prevent suicide further upstream.

"Jordan School District is really getting serious about making changes," Winters said. "And it's just the beginning."

Utah State Board of Education Suicide Prevention Specialist Cathy Davis said Utah schools have additional ideas up their sleeves.

"We've recognized as a state that mental health illness has increased, and we need to do something about it," Davis said.

Although schools are dedicating more resources toward mental health, Davis said she believes it is important to understand the need for change does not just fall upon schools.

"You have to realize that suicide is a public health issue — it's not just the school responsibility," Davis said,

expounding on how it will take everyone working together to make a difference.

Conversation changes

That difference can start with the conversation.

"Instead of thinking about 'what if,' I think about 'because of,'" Warburton said.

Because of Hannah, Warburton said she became an advocate for suicide prevention. Because of Hannah, she said she's learned how to be more open about her own pain. Because of Hannah, she created Live Hannah's Hope, an organization dedicated to providing suicide prevention education.

And, because of Hannah, Warburton has been an activist to change the conversation surrounding suicide prevention.

"We should normalize the experience that life is hard but also help people understand that you can seek out others when you need help," Davis said.

There is a stigma surrounding suicide, according to Davis, and people believe it is an uncommon experience. However, Davis said that stigma is wrong and needs to be eradicated.

"You don't have to go through this alone," Davis said.

Cox expanded on this sentiment.

"Those who are thinking about suicide, they think they're alone, but this is fairly common for many people. And once we begin to understand this, then we can start to change the culture," Cox said.

Cox, like many youth, struggled with his own suicidal thoughts as a teen. And he, like Davis, also said he believes suicide has a stigma around it.

"We need to change the conversation," Cox said. "Wherever you are in the world, it is a better place because you are here."

Warburton interpreted the stigma surrounding suicide as one that embodies shame. She said people are ashamed to admit they need help, but that is a serious problem in the conversation.

"It's OK to be struggling, it's OK to be sad, it's OK to be depressed, it's OK to get help," Warburton said. "But we need to be OK with not being OK."

After losing her daughter, Warburton said she has done all in her power to ensure it never happens to someone else's daughter.

"It's all I do. It's all I live for," Warburton said.

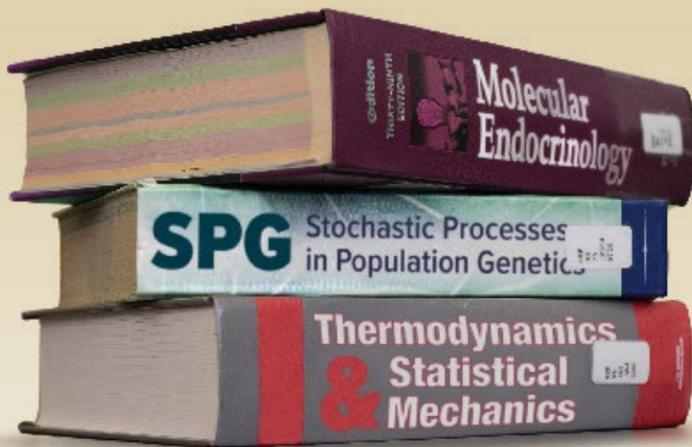
She also emphasized the importance of practicing self-acceptance and kindness toward ourselves.

"We need to practice more self-love and kindness, and once we can love ourselves, we give permission for people to do the same," Warburton said.

In a BYU devotional on Aug. 7, professor Eric D. Huntsman touched on this topic of expanding love. He spoke of creating safe spaces for people to create a culture of love and openness, and he shared how this love can save lives.

"The choice to love can literally make the difference between life and death," Huntsman said. "I submit that these struggles are necessary to our progression, but they are not struggles that we should ever face alone,"

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FOUNDING FLAVORS

Credit hour limit puts students in a bind

By AIMEE COLTON

Tanner Long grew up bleeding blue.

As a child of two BYU alumni, BYU was the school of his dreams. But when he finally enrolled at BYU, it wasn't quite the dream he had always imagined.

After being an undecided major for a few semesters, Long decided to declare exercise science. However, he quickly realized that wasn't his passion.

"I was getting D's in all my science classes, and I knew I needed to change my major," Long said.

Unfortunately for Long, it wasn't that simple. While he was undeclared, he filled his semesters with all his general education classes and most of his classes for a Spanish minor.

After serving a mission in Chile, a Spanish minor was an easy choice. So, for Long, it made sense to work towards a minor and complete his general education (GE) classes while exploring other options.

"I didn't know what to do, so I took all my GE classes and by the time I figured out what I wanted to do, it was too late," he said.

It was too late for Long because some limited enrollment programs at BYU generally don't accept students who have more than a certain amount of credits, and the advertising program — Long's ambition — was one of those programs.

Long said he talked with his adviser about switching from exercise science to pre-communications and his adviser gave him the all clear. It was only after taking the prerequisite courses for the advertising program that Long was told he would be required to petition to apply because he had over 75 credit hours.

"The communications adviser made it very clear that it wasn't worth my time to even try to



Ty Mullen

BYU students must petition to change majors if they exceed the 75 credit hour limit. The University Advisement Center is dedicated to helping students figure out their academic and career goals

apply," Long said.

Long said the petition process was highly discouraged and that it was rare for students to be granted acceptance even with the petition.

The 75 plus credit hours policy is not just unique to limited enrollment programs. According to a university policy, after 60 credits students are required to either meet with an adviser to explain their intentions or declare a major. And if students have earned 75 or more credit hours, they can only change majors by petition.

Associate Student Life Vice President Ronald Chapman said this policy exists to benefit students.

"College life is expensive. You're going to incur more debt by staying here," he said.

Chapman explained that students would be better served to graduate with a bachelor's

degree quickly, without debt, and then move on to graduate school if a student still has a passion for studying something else.

Chapman also said only 17 percent of students stay in the intended major they applied to BYU with. Therefore, the large majority of BYU students change their major at least one time, and according to the university policy, that is allowed as long as it is within the credit limit.

But for many students like Long, they hear about this policy too late.

Keith Proctor, an academic adviser for the University Advisement Center, said open major students are contacted by the center after earning 60 credit hours and are invited to meet with an adviser.

"Students shouldn't have to feel like they have to figure it all out on their own," he said.

The University Advisement

Center is dedicated to helping students figure out academic and career goals. During Winter 2018, the advisement center contacted 100 open major students but only 12 came in to meet with an adviser.

Proctor said there are a lot of resources available to help incoming students start exploring immediately. His advice to students would be to meet with an advisor, take STDEV 117 — a career exploration class specifically focused on a theoretical approach to self-discovery — visit the website catalog.byu.edu to explore different major options, and go into the advisement center to take personality and interests tests including the Type Focus, the Strong Interest Inventory, and the Myers-Briggs Type Indicator.

Proctor said the advisement center is here to help students become more self-aware and

help them find their passion.

Proctor suggested students try not to take all of their general education classes at once. He recommends a mix of general education, minor and major courses throughout each year.

Clark Callahan, associate director for the School of Communications, said Long's experience is not what should have been.

"We want all people to apply regardless of credit hours," he said.

Callahan said he personally meets with students who have over 75 credit hours and makes sure these students understand that if they want to apply to a communications emphasis they have to accept an additional four semesters of college. As long as the student is willing to accept that timeline, the school allows them to apply, according to Callahan.

But Long was never directed to meet with Callahan after talking to the communications adviser. He was told his only option was to change his minor and make Spanish his major.

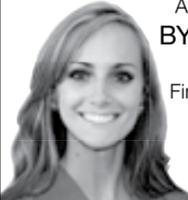
"Spanish isn't what I want to do with my life and I feel like it's been a waste of my time," Long said. "Now I'll graduate in six years, but I would've already graduated if I had been able to change to advertising."

If Long could do it all over again, he said there were many things he would change. But he advises freshman to not take so many credits the first two semesters so they do not get caught up unexpectedly by this policy.

Students who wish to meet with their academic advisers can do so within their respective colleges. The University Advisement Center can set up appointments with all open majors and can be reached by phone at 801-422-3826 or in person in room 2500 of the Wilkinson Student Center.

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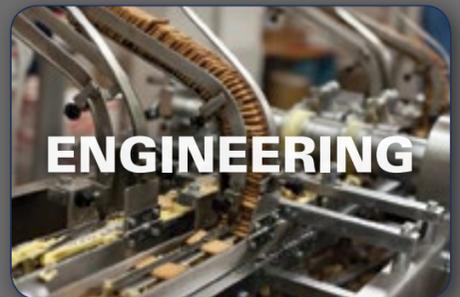
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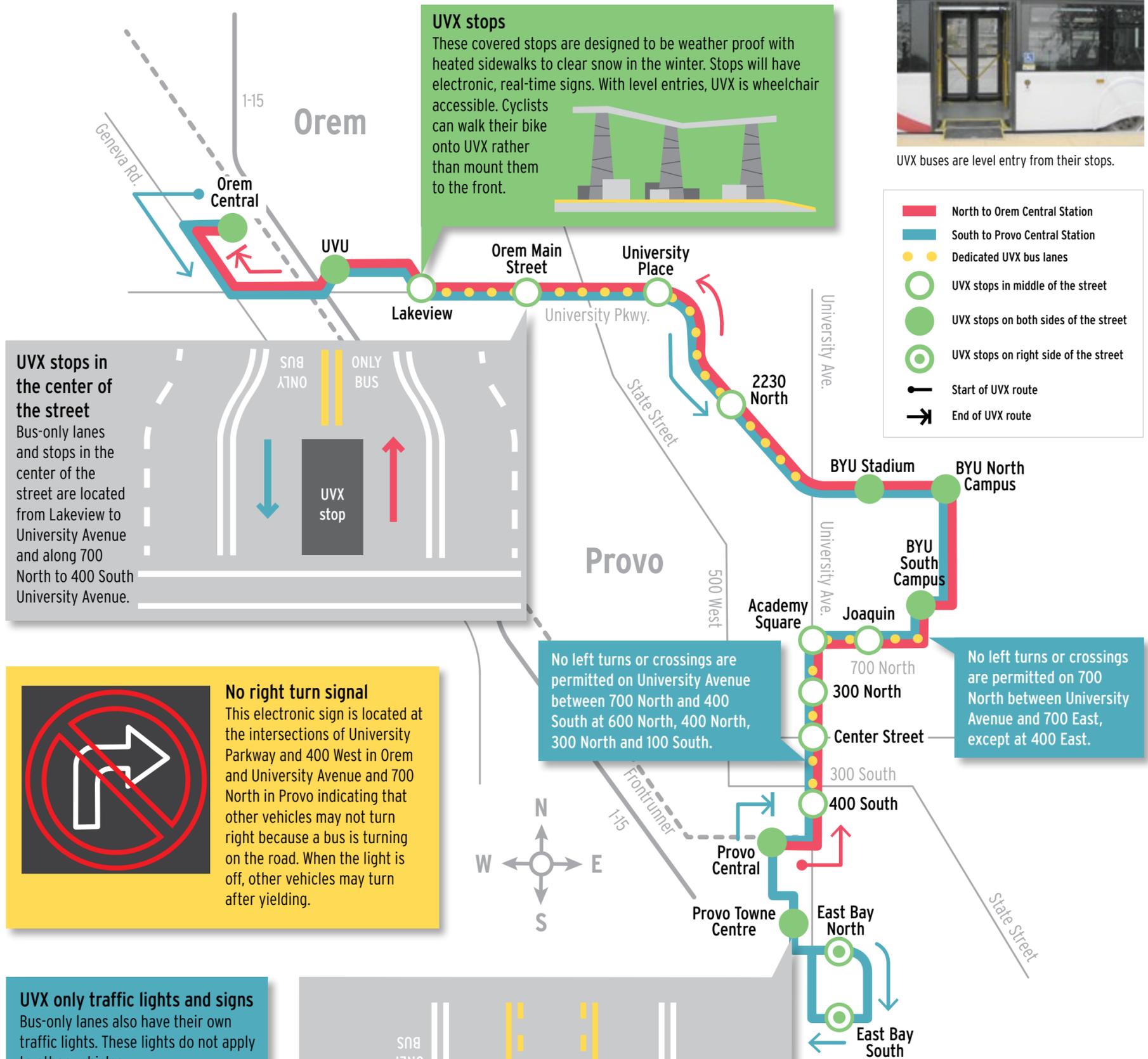
The Utah Valley Express is Utah Transit Authority's newest public transit option. It began running on August 13. Construction is ongoing with completion scheduled for spring 2019. Using their BYU ID, BYU students, faculty and staff have free access to all of UTA, including UVX, which links BYU, downtown Provo, south Provo, University Place, south Orem and UVU. There are 18 stops on the 10.5 mile line, and buses stop every six minutes during morning and afternoon peak travel times.



- UVX is free to everyone through 2021.
- Through UTA and UVX, BYU students, faculty and staff also have free access to Frontrunner, TRAX and the entire UTA system. Orem Central and Provo Central stops have connection to Frontrunner.
- Certain roads on the route have bus only lanes. No cars, bikes or other vehicles are allowed in bus lanes, even to turn left.
- On weekdays and Saturdays, UVX operates every 6-15 minutes. Check the schedule at rideuta.com for specific times. UVX does not operate on Sunday.
- For more information, go to rideuta.com or call 801-743-3882.



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UVX stations and other areas along the route remain under construction. Service started August 13, with completion scheduled for spring 2019. Until then, temporary stops may be near UVX stops on the right side of the road.

Reading the bus
The destination displayed on the front of the bus is the final stop for the bus. Buses that say "Provo Central" are heading south and will loop around the East Bay stops. Buses that say "Orem Central" are heading north and began at the Provo Central station.

UVX times and schedules
These times are approximate. Check rideuta.com for schedules, including Saturday.

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Check schedule	Every 6 minutes	Every 10 minutes	Every 6 minutes	Every 10 minutes	Every 15 minutes	Check schedule		

Provo City Council confirms housing projects



Alycia Ikegami

College Place is a housing facility located southeast of the BYU campus. It provides 71 units to single women.

By ALYCIA IKEGAMI

Housing demand has pushed Provo to create a housing committee in hopes of building affordable housing.

According to the United States Census Bureau, 40.7 percent of homes in Utah are occupied by the owner and 39.2 percent of homeowners are living in the same house as the previous year. Additionally, 71.1 percent of homeowners fall between the ages of 18-65.

"We have heard that some people believe that Provo City is turning down development projects for higher density housing. This is simply not true. The City Council has not turned down any higher density projects in the past three years," the Provo City Council said in a statement.

The new housing committee is educated on issues relating to affordable housing. It has brought in experts to discuss ways to increase affordable housing options and create legislation to assist developers in increasing housing options in the city.

Silicon Slopes and the

fast-growing nearby cities have also influenced the housing market in Provo. While BYU students contribute about 25 percent of the population in Provo, there are many other variables which affect Provo's unique situation.

"The overall housing shortage isn't something we can resolve overnight," the Provo City Council wrote on its blog. "However, we are confident that we are making strides in the right direction."

In the past three years, more than 1,500 new housing units in Provo have either been approved or are currently in the approval process. Of these projects, the College Place project created 71 units for female BYU students since 2016.

According to BYU off-campus housing reports, there were 1,540 single, off-campus waivers approved for Winter 2018.

"Students have to choose a place to live between January and February for the fall semester. If you wait until August or September, your chances will be slim," said Garry Briggs, the off-campus housing office general manager.

The City Council's statement has sparked some excitement

among Provo residents struggling to find affordable housing.

"Finding housing for my family is so hard in Provo. You just have to always be looking on Facebook and be quick to message," said Nick Jones, a married student at BYU.

According to the Utah County Housing Authority, there are roughly 40,000 displaced families in Utah. Some BYU students are among those who cannot find housing. While the city development targets various future residents, it will bring some change to the student off-campus housing options.

According to BYU housing contract coordinator Sharylann Smith, there are still over 400 families on the on-campus housing waitlist for Fall 2018. With the semester quickly approaching, these families have to wait for an available contract on the "Available Apartments page," or add their housing request to the Family Housing Waiting List.

Redstone Residential leasing manager Kaylin Steed said there needs to be more housing in Provo because of the high demand. "I feel like you often have to know someone to get married housing."

Lindon-based startup could change how movies are made

By STEPHANIE MACIAS

Pointing a camera at someone and then having the camera follow that person around seems obvious in today's highly automated world. No such product existed, so BYU MBA alumnus Rick Stout embarked on inventing such a device. Shortly thereafter Jigabot, a Lindon-based company, was born.

The first product developed by Jigabot was called the AIME. It was a play on the words "aim me," telling the customer that the product would aim the camera for them.

After doing market research, they changed the name to "Jigabot" followed by a number representing the weight of the camera it could support. For example, the Jigabot 5, which began shipping recently, supports a five-pound camera.

One of Jigabot's first customers was a manager at Nike, Sam

Strickling, who purchased the product early this year.

"Jigabot is a game changer! A flexible, extensible, and accurate solution to precision automated object tracking that is unparalleled," Strickling said.

As with most entrepreneurial endeavors, getting to this point was not easy.

"Initially we wanted to provide a product for consumers, something people could use with their Smartphone or GoPro, to record themselves as they play sports, play with their kids or move around on a stage," Stout said. "But the cost to build a high-quality consumer product was greater than most consumers were willing to pay, so we've focused on Hollywood filmmakers."

In designing and building a product that supports bigger and heavier Hollywood-type cameras, Jigabot learned many valuable lessons.

"We made the decision to purchase our own manufacturing

machines to be able to prototype our products more quickly," Jigabot CEO Doug Edwards said.

Taking control of the manufacturing process helped Jigabot contain costs.

"Jigabot can manufacture our products at about one-fourth the cost that we were being quoted by overseas manufacturing companies," Edwards said.

A consumer product, at a consumer price, may not be too far away due to the new discoveries the company learned while building a Hollywood-focused product.

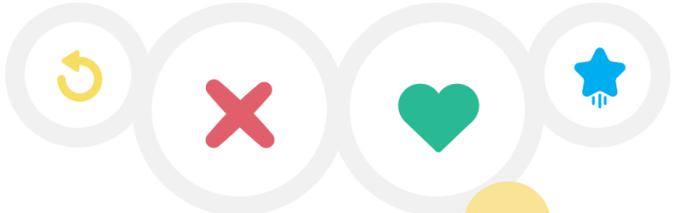
"We're excited to meet the needs of professional filmmakers and consumer videomakers," said Paul Smart, a Jigabot investor. "Automated tracking tools that let an individual capture a live moment, without worrying about who will record it, is going to change the way we share the fun experiences in our lives."



Rick Stout

From left: Engineer Steve Pugmire, production manager Dave Edwards and engineer Cameron Engh hold the first Jigabot 5 unit.

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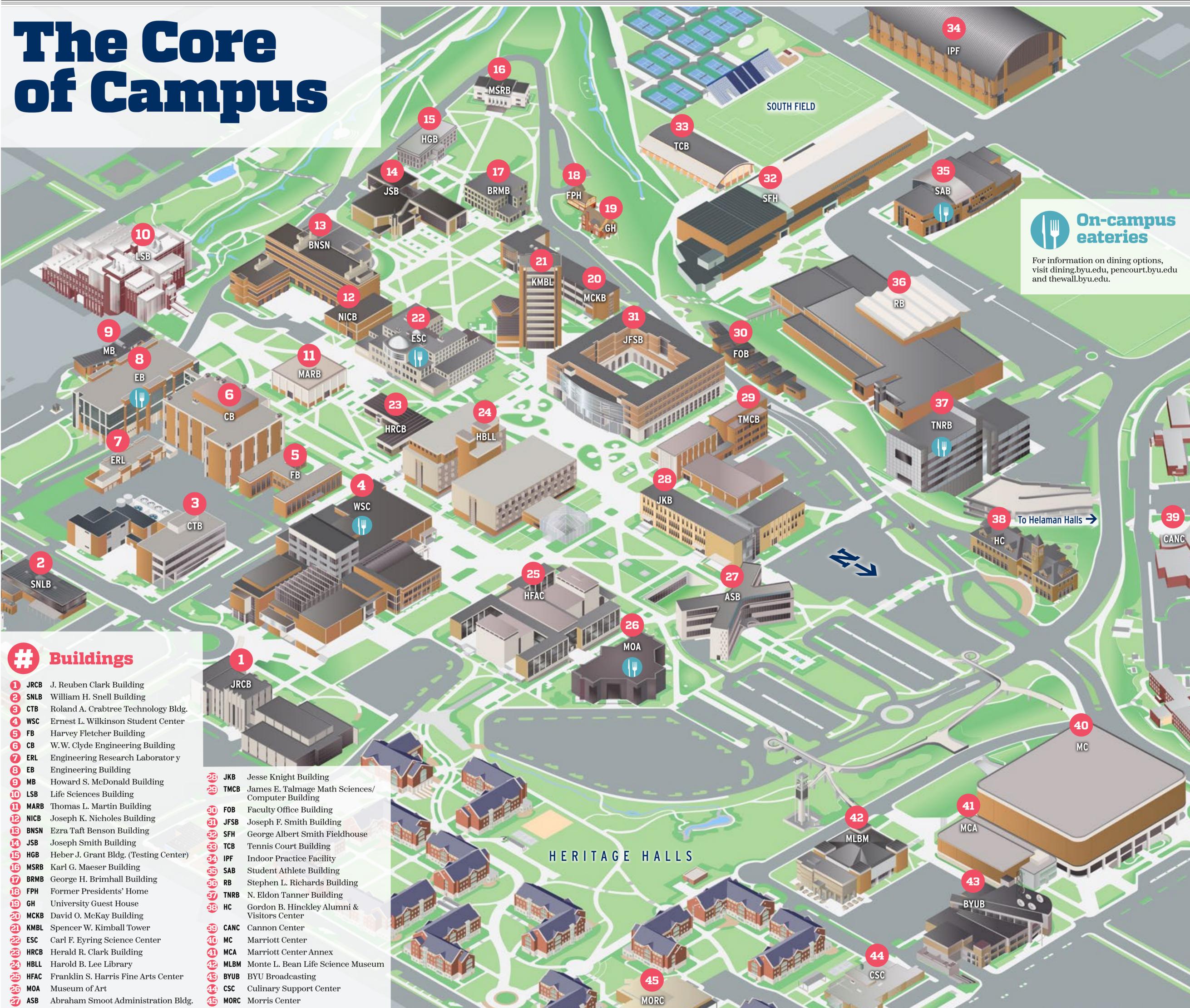
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Buildings

- 1 JRCS J. Reuben Clark Building
- 2 SNLB William H. Snell Building
- 3 CTB Roland A. Crabtree Technology Bldg.
- 4 WSC Ernest L. Wilkinson Student Center
- 5 FB Harvey Fletcher Building
- 6 CB W.W. Clyde Engineering Building
- 7 ERL Engineering Research Laboratory
- 8 EB Engineering Building
- 9 MB Howard S. McDonald Building
- 10 LSB Life Sciences Building
- 11 MARB Thomas L. Martin Building
- 12 NICB Joseph K. Nicholes Building
- 13 BNSN Ezra Taft Benson Building
- 14 JSB Joseph Smith Building
- 15 HGB Heber J. Grant Bldg. (Testing Center)
- 16 MSRB Karl G. Maeser Building
- 17 BRMB George H. Brimhall Building
- 18 FPH Former Presidents' Home
- 19 GH University Guest House
- 20 MCKB David O. McKay Building
- 21 KMBL Spencer W. Kimball Tower
- 22 ESC Carl F. Eyring Science Center
- 23 HRCB Herald R. Clark Building
- 24 HBLL Harold B. Lee Library
- 25 HFAC Franklin S. Harris Fine Arts Center
- 26 MOA Museum of Art
- 27 ASB Abraham Smoot Administration Bldg.

- 28 JKB Jesse Knight Building
- 29 TMCB James E. Talmage Math Sciences/Computer Building
- 30 FOB Faculty Office Building
- 31 JFSB Joseph F. Smith Building
- 32 SFH George Albert Smith Fieldhouse
- 33 TCB Tennis Court Building
- 34 IPF Indoor Practice Facility
- 35 SAB Student Athlete Building
- 36 RB Stephen L. Richards Building
- 37 TNRB N. Eldon Tanner Building
- 38 HC Gordon B. Hinekley Alumni & Visitors Center
- 39 CANC Cannon Center
- 40 MC Marriott Center
- 41 MCA Marriott Center Annex
- 42 MLBM Monte L. Bean Life Science Museum
- 43 BYUB BYU Broadcasting
- 44 CSC Culinary Support Center
- 45 MORC Morris Center

The benefits of hiring a doula

By STEPHANIE MACIAS

Pregnancy and childbirth are difficult experiences for many women, but for Utahn Jenn Parker the experience was smooth because of the help she received from her doula, or birth coach.

"I had a whole support team, and it was wonderful," Parker said, who has given birth to two children. "She would push on certain pressure points and help me be as comfortable as I could be. She made it so my husband could be right by my side the entire time and not having to help with other things," Parker said.

A doula's role depends on the family they are assisting, but their focus is to provide educational, physical and emotional support throughout pregnancy and labor.

"We complete the circle of care and support for the family, whether at home or at a hospital or at a birth center. We are there to help complete that support team so that they can have a positive experience," said Whitney Lancaster, a certified doula with Davis County Doulas.

Doulas will typically meet with their clients two times during their pregnancy to build a birth plan.

"At the prenatal appointments, we talk about how they want us to fit into that birth experience and how we can help them achieve their birth experience for their birth goals," said Bonnie Baker, a doula with Davis County Doulas.

Every birthing situation is different, and doulas are trained to bring support to a variety of different delivery



Julian Marks

Doula Whitney Lancaster counsels with client Luna Ellis. Doulas are professionals who supports the mother before, during and after the childbearing process. Many families are choosing to utilize a doula's services.

situations.

"Some moms need to be induced, so we support them in the process of the induction. Other moms labor at home until she feels ready to go to the hospital," Baker said. "If there is a medical situation with mom and baby then sometimes that means we're there a little bit longer providing support. It may be an unexpected experience or maybe it may be an anticipated experience. We're there to help them."

Doulas also help with postpartum healing. This often includes lactation consulting and postpartum depression check-ins.

Aleena Hill of Nampa, Idaho, decided to become a doula after experiencing

postpartum depression.

"Doulas have a whole training on postpartum depression that outlines the signs. We are trained to see them and help them. I struggled terribly with postpartum depression, and looking back I had all the signs," Hill said.

The mother's and family's anxiety levels are often decreased throughout the entire experience because they know they have an expert to advocate for them.

"Our role really is to be a cushion for the birthing family," Lancaster said. "There have been numerous studies that show that having a doula increases birthing satisfaction, even if nothing with your birth happens, you are happier with the experience."

New federal program could bolster Provo's economy

By SYDNEE GONZALEZ

A new federal program gives investors a tax incentive to invest in low-income areas. Despite mixed feedback from the public, investors and state and city officials are hopeful the program will bolster Utah's economy.

The Opportunity Zones Program was introduced as part of the 2017 federal tax reform legislation. It allows investors to defer federal tax liability on capital gains by placing their profits in Qualified Opportunity Funds. These funds are set up as partnerships or corporations that will invest in eligible areas, called Opportunity Zones, which are characterized by economic distress.

Provo is one of those zones.

Some worry the program will only reward investors for making investments they would have made anyway. According to Ginger Chinn, managing director of urban and rural business services in the Utah Governor's Office of Economic Development, this isn't true.

"There may be areas where investors see projects that they may not otherwise see," Chinn said.

Jeff Danley, co-founder of Utah-based venture company Peak Ventures, said the program "will encourage investment in those opportunity zones where otherwise there might not have been as much development."

Val Hale, the executive director at Utah Governor's Office of Economic Development, said he

agrees with Chinn and Burningham. Hale said investors usually won't spend money in areas that are not doing well economically, but this will change with the program.

"This program opens the door for investment to flow into some of these distressed areas," said Hale. "I think you will see money flowing into those areas."

According to Danley, a lot of people are still unraveling the program. "We're having a hard time figuring out how to make opportunity zones work for us, and I think that's true for a lot of developments and investors," he said.

Danley said the program doesn't quite fit into what they're used to doing.

"We're trying to find the best companies to invest in," said Danley. "We're not in the business of telling them where they have to locate. If we happen to find an investment located in an investment zone, that's great."

Due to challenges like this, Planning Director for Mountainland Association of Governments Shawn Seager said he believes each city needs to decide how to market the individual opportunity zones within their boundaries.

"There really is no action that we can take as an organization on these opportunity zones," Seager said. "It's really left up to the cities to try to pursue the tax initiatives that are offered."

Provo City Business Development Coordinator Cameron Christensen said the city is currently coming up with a strategy on how to market the city's

opportunity zones.

"This is a fairly new program," Christensen said. "We're still kind of going down that road of how to properly market them and how to make developers aware of the locations in Provo."

Even though the program is in its infancy, Christensen said he is hopeful.

"Provo is in a unique position," he said. "We're looking at all types of investments in Provo. We're always willing to have a conversation with any type of investor."

Possible development types range from affordable housing to retail spaces. Christensen said specific development types will be a question of zoning.

One common criticism of the program is that it will only serve to make the "rich" richer. Christensen said that's not the case.

"It's not just appealing to the rich," Christensen said. "If Sally Sue and Joe Shmoe want to take the capital interest from selling their house and invest it into these opportunity zones, they can absolutely do that. It's all under the umbrella."

Chinn said it's possible, but she believes it's still too early on to see how things will play out.

"A lot of the rules to the game have not been established," said Chinn, referencing the fact that the nation is still waiting on the U.S. Treasury to disseminate all the information on how the program will play out.

Regardless of what information has yet to be released, Chinn said, "It behooves us to try to see how it will work."

VidAngel producing TV show about Jesus Christ



VidAngel

VidAngel is creating an original TV show called "The Chosen," which is a drama about Christ's life seen through the eyes of shepherds. This image is a screenshot of the website taken on Aug. 29.

By ERICA WEST

VidAngel is taking a new approach to TV. Its newest show, "The Chosen," has raised over \$4 million through crowdfunding investing, putting it in the top crowd-funded film and television projects of all time.

When VidAngel launched in 2014, the company allowed users to buy movies, select filters and edits to make the movie free of violence, profanity and other sensitive content and then sell the movie back to VidAngel after watching it.

After lawsuits from movie studios in 2017, VidAngel has switched to streaming. Now customers pay for the service and use it to filter content as they watch Netflix or Amazon Prime, according to the company's website.

VidAngel also offers original TV shows. "The Chosen" is a drama about Christ's life seen through the eyes of shepherds and is being funded and produced in an unusual way.

The show began as a short film Director Dallas Jenkins originally created for his church's

Christmas Eve program. However, it received positive feedback response from all who saw it.

"When I showed it to people, their response was so strong that I started to think about how interesting it was to show Jesus from the perspective of those around him," Jenkins said.

Jenkins' friend, Matthew Faraci, was working with VidAngel and showed them the short film. They also caught the vision of the show.

"A show that isn't stiff or formal, a show that really takes the time to explore the humanity of the characters of the Gospels, a show that is raw and authentic, ... we believe it can be a compelling way 'in' to the stories of Jesus that hasn't been tried before," Jenkins said.

VidAngel settled on crowdfunding the project with a unique approach. Instead of offering the ability to donate to the show, VidAngel is offering fans the chance to invest in the series. The streaming service believed that by putting the short film out to the public as a "pilot episode" of the series, it could raise millions, according to Jenkins.

"I don't deny that I said, quite articulately and

comprehensively, 'Ha!'" Jenkins said.

The pilot episode of the show has been watched thousands of times, has over 4,000 investors and has raised more than \$4 million in investments.

"The episode went viral, and the response was so amazing. People all over the world expressing how moved they were and how interested they were in seeing more. So we knew we had something," Jenkins said.

Investors are being told they will be paid back 120 percent of their original investment once the show starts to be profitable. They will even be paid back before the creators get paid. After the creators are paid, investors will continue to see profits throughout the rest of the series, according to the show's website.

The show has received positive feedback on its website from celebrities and people all over the country who would like to watch a wholesome and entertaining show about Christ.

"Our family would absolutely love to see a TV series about the life of Jesus created. We'd binge watch the whole season all at once ... We're praying for the success of this project," the Robertsons — of Duck Dynasty fame — said in a statement.

Jenkins said he hopes the popularity of the show will continue. "Our long-term goal is for this show to last for several years. We hope that if people see Jesus through the eyes of those around him, they'll be impacted in the same way his followers were. And, of course, if the show is successful, no reason to stop with the Gospels. There's plenty more stories to tell" Jenkins said.

Simple Bites

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	2 small	4 small	8 small	mushrooms
	2 slices	4 slices	8 slices	white american cheese (or provolone)
	1 each	2 each	4 each	hoggie roll
	1 tbsp	2 tbsp	4 tbsp	vegetable oil
	1 tbsp	2 tbsp	4 tbsp	butter
	1/2 tsp	1 tsp	2 tsp	salt
	1/2 tsp	1 tsp	2 tsp	pepper

Peel and slice onion.

Remove stem, seeds and membrane from pepper.

Slice pepper.

Slice mushrooms.

Cut sliced deli meat into strips.

In a skillet on high heat add oil and butter. Heat until butter is melted, add veggies.

Sauté, stirring continually until browned.

Season veggies with salt and pepper, use more or less to taste.

Add roast beef and stir until meat is heated through.

Separate into serving sizes and place sliced cheese on top of meat mixture.

Remove pan from heat and cover with lid. Allow cheese to melt over meat mixture.

Scoop into hoggie roll.

Serve hot.

Scan the photos with the Universe Plus app to see a video demonstrating how to make this recipe.

Tutors Wanted

Eight-year-old girl, 3rd grade, curriculum provided, preference for elementary education majors. Monday–Thursday, 8:30–11:30 a.m., \$13/hour.

16-year-old boy, high school math from Kahn Academy, flexible two hours/week, \$15/hour.

Contact **Nesha Woodhouse** at 801-800-3244

Campus News



BYU Photo



Matthew Tyler



Aiden Yellowhorse



Natasha Griffin

Brigham Young University

The University announced graduation ceremonies will only be held in April at the conclusion of winter semester.

COLLEGE OF Family, Home and Social Sciences

Matthew Tyler is the first student from the College of Family, Home and Social Sciences' Family History-Genealogy program to conduct research in China. He spent six weeks as an intern collecting Chinese records and tracing family ancestry back more than 2,000 years. President Spencer W. Kimball invited church members to reach out to the people of China and

Tyler took this invitation to heart and decided to "give a gift to the Chinese people."

Almost 400 students graduated from the College of Family, Home and Social Sciences in August. The nine valedictorians ranged from a psychology major who loves monkeys, to a Japan native with a passion for traveling.

IRA A. FULTON COLLEGE OF Engineering and Technology

Aiden Yellowhorse, a BYU Ph.D. graduate, used his mechanical engineering degree to do research with NASA. The research – which will be published in *Scientific Reports*, a top-tier journal associated with *Nature* – involves developing meth-

ods to transition paper origami to myriad materials, which can be used for spacecrafts, surgeries, outdoor equipment and medical implants.

COLLEGE OF Life Sciences

Traveling to the north and south poles in order to conduct research, BYU graduating student **Natasha Griffin** took advantage of the opportunities that accompanied her major in environmental science. Griffin worked with the McMurdo Dry Valleys Long-Term Ecological Research Group in Antarctica, evaluating changes in the environment due to microscopic worms and microfauna. Griffin hopes to use her minor in writing and rhetoric to report and communicate her findings.

BYU grads release a guide for future students

By ERICA WEST

Two BYU alumni looked back on their own college experience to create "Acing BYU," a guidebook highlighting opportunities available to students.

Throughout his time at BYU, Ben Black depended on his older brother Nate as a resource and mentor.

Ben Black first started at BYU after returning home from his mission in 2010. Nate Black had previously graduated from BYU and was interested in hearing about his younger brother's experiences. They soon began talking on the phone weekly, sometimes even several times a week.

When Ben Black volunteered to be part of a Ph.D. student's study, Nate Black encouraged his younger brother to reach out to the Ph.D. student and offer to be a research assistant.

According to the book, "Ben took that suggestion and not only became a research assistant to that Ph.D. student — earning himself co-authorship on a peer-reviewed journal article and an abstract in the process — but also continued adding new research experiences in five other disciplines."

The guide starts with sections about applying to BYU, types of financial aid and how to get them and information about on- and off-campus jobs. New students can learn about available majors and how to choose one, as well as how to be a better writer. More experienced students can learn about research, internships and networking.

Acing BYU strongly encourages students to find a mentor.

According to the book, "it's vitally important that you have a mentor (or mentors) while you move through your

college years."

The book helps students identify potential mentors and gives tips on how to build those relationships.

The authors said the book is meant to be a resource for high school students trying to get into BYU, new BYU students, more experienced undergraduate students and even parents of students.

"Any BYU student could pick it up and in a few minutes find something that will make a significant difference in their experience," Nate Black said.

The guidebook can also be a good resource for freshmen adjusting to campus life.

Because the two brothers only have in-depth knowledge of the fields they studied, they took the time to research and talk to many BYU alumni in a variety of fields and find out what helped them succeed.

Each brother had a piece of advice for students reading the guidebook.

"Look for interesting opportunities. They may not lead to your ultimate career, but they will be super valuable. Have broad experiences, have fun

and meet people," Ben Black said.

Nate Black commented on the original theme of the book: how to take advantage of the school's resources.

"If you take the time up front and continue to get thoroughly acquainted with the available programs and opportunities at BYU, it really can pay some serious dividends. We lose so much opportunity just from being ignorant of what's available," Nate Black said.

"Acing BYU" will be available for purchase beginning Fall 2018.

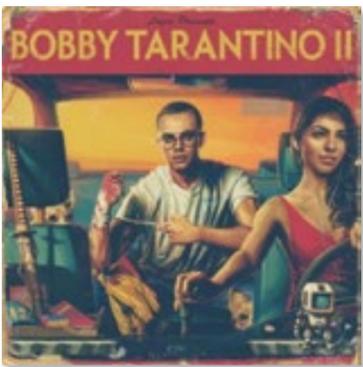
FIVE SUGGESTIONS FROM 'ACING BYU'

1. Take a campus tour
2. Apply for scholarships and grants
3. Seek on-campus or off-campus employment
4. Shadow professionals in one's field of study
5. Utilize on-campus writing centers

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"Indica Badu"

Logic
Bobby Tarantino II

I'm Deji and I am a rap enthusiast. I fell in love with Rap music when I heard Rain Man by Eminem off the 2004 *Encore* album. I grew up listening to Eminem, 50 Cent, Jay-Z, Kanye West and Dr. Dre. Rap is that feeling you get when you need to bob your head to the music because the beat takes control of your body. There are lessons to be learned in every song. Rap is life.



Deji

One of the most anticipated albums of the year has been Logic's "Bobby Tarantino II." Given the success of the single "44 More," the album had high expectations for this heavy hitter, but instead it seemed sloppy and rushed with the majority of the songs repeating one sentence throughout the song. However, "Indica Badu" is surprisingly unique with great hooks and an amazing instrumental throughout the song. This song is more relaxed, chill and more composed and organized than the other tracks on the album. It is significantly different from the rest making it one of the best songs on the album.



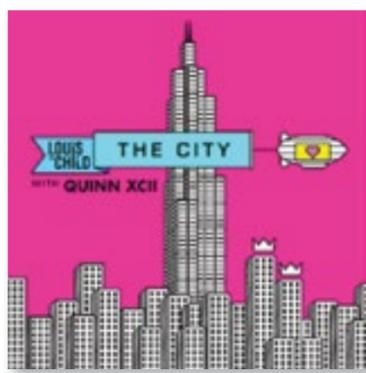
MIXTAPE

My name is Ryan Hernandez. I am from Sacramento, California. I have been DJing and creating electronic music since I was 14 years old. A few of my favorite artists are Zedd, Diplo, CodeKo, AJR, and Tritonal. I have listened to straight electronic/EDM since the moment I listened to "Levels" by Avicii.

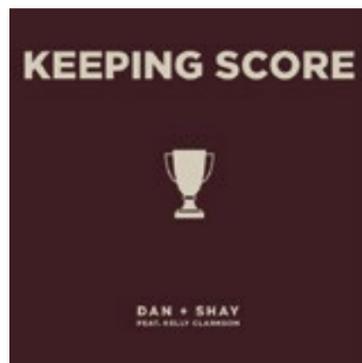


Ryan

My top song of the summer is definitely "The City" by Louis the Child and Quinn XCII. This song shows the versatility and depth of electronic music and corrects the notion that all electronic music is just dubstep. There are three main components in evaluating electronic music: depth of sound, variance of instruments and the song's beats per minute. With Quinn XCII as the vocalist and a BPM of 89, this song was created to be perfect background music to listen to on road trips. This song is truly a stroke of genius, that continues to defy the perceptions of electronic music.



"The City"
Louis the Child & Quinn XCII
The City – single



"Keeping Score" (ft. Kelly Clarkson)

Dan + Shay
Dan + Shay

My name is Aimee Jackson and I'm from Bountiful, Utah. Music is my go to when I'm going on a drive, a run, or getting pumped up for a night out. I enjoy most kinds of music but my current obsession is all things country and acoustic guitar.



Aimee

Coming to SLC on September 11 is the popular duo Dan + Shay. Based out of the heartland of country in Nashville, Tennessee, Dan + Shay have six songs in the Country Top 10 including "Tequila," from their most recent album "Dan + Shay." The new album has been wildly popular and includes "Keeping Score" which features one of America's favorite artists, Kelly Clarkson. I first saw Dan + Shay as an opening for Hunter Hayes in 2014. Since then, their pop country style and heartfelt lyrics have led them to successful nationwide headlining tours of their own.

I'm Patrick from Lodi, California. Lodi's famous for its grapes and the Creedence Clearwater Revival song, rightly named "Lodi." I'm passionate about unique, new music, especially alternative/indie music. I feel that music should be a key part of everyone's life because it makes life more enjoyable. It helps us to rock out, chill or just ponder while we think and drive. It adds depth to our emotions and can serve as a soundtrack for our lives, helping us remember significant moments and meaningful memories.



Patrick

The song "Jonathan Low" was recently added to Apple Music and Spotify to pique interest for the upcoming album of Vampire Weekend. It is apparent from its familiar harpsichord and guitar riffs that it was recorded around the time of their first album. The similar tempo and rhythm echo those of their early hits like "Cousins" and "Mansard Roof." This song was among some of the first released by the band in five years and reminds listeners of their unique talent and sound.

JONATHAN LOW

"Jonathan Low"
Vampire Weekend
Jonathan Low – single

Scan the album covers with the Universe Plus app to hear a sample of each song.



Government accuses Harvard of 'outright racial balancing'

ASSOCIATED PRESS

In its latest push to end the use of race in college admissions, the Trump administration on Aug. 30 accused Harvard University of "engaging in outright racial balancing" and sided with Asian-American students who allege the Ivy League school discriminated against them.

Harvard denied the bias claim and said it would defend the right to consider race as a factor in admissions. The Justice Department weighed in on a lawsuit filed in 2014 by Students For Fair Admission, which argues that one of the world's most prestigious universities discriminates against academically strong Asian-American applicants in favor of others who may be less qualified.

The agency said in a "statement of interest" that Harvard has failed to demonstrate that it does not discriminate on the basis of race and that its use of personal qualities in determining worthy applicants "may be infected with racial bias."

The Supreme Court permits colleges and universities to consider race in admissions decisions but says that must be done in a narrowly tailored way to promote diversity and should be limited in time. Schools also bear the burden of showing why their consideration of race is appropriate.



Associated Press

A tour group walks through the campus of Harvard University in Cambridge, Mass. in August 2012. The Justice Department has sided with Asian-American students suing Harvard over the Ivy League school's consideration of race in its admissions policy.

In Harvard's case, Justice Department officials said, the university hasn't explained how it uses race in admissions and has not adopted meaningful criteria to limit the use of race.

"No American should be denied admission to school because of their race," Attorney General Jeff Sessions said.

Sessions said Harvard's use of a "personal rating," which includes highly subjective factors such as being a "good person" or "likability," may be biased against Asian-Americans. Sessions said the school admits that it scores Asian-American applicants lower on personal rating than other students. Sessions also argued that Harvard admissions officers monitor and manipulate the racial makeup of incoming classes.

Harvard said it was dis-

appointed the department was "recycling the same misleading and hollow arguments that prove nothing more than the emptiness of the case against Harvard."

"Harvard does not discriminate against applicants from any group, and will continue to vigorously defend the legal right of every college and university to consider race as one factor among many in college admissions, which the Supreme Court has consistently upheld for more than 40 years," the university said in a statement. "Colleges and universities must have the freedom and flexibility to create the diverse communities that are vital to the learning experience

of every student."

Edward Blum, president of the group that sued Harvard, hailed the administration's action. "We look forward to having the gravely troubling evidence that Harvard continues to keep redacted disclosed to the American public in the near future," he said.

The department's court filing opposes Harvard's request to dismiss the suit before trial.

"Harvard's failure to provide meaningful criteria to cabin its voluntary use of race, its use of a personal rating that significantly harms Asian-American applicants' chances of admission and may be infected with racial

bias, and the substantial evidence that Harvard is engaging in outright racial balancing each warrant denial" of Harvard's request, the department said.

The department is separately investigating Harvard's admissions policies.

There was no immediate comment on the move from the Education Department.

The filing follows a July decision by those departments to abandon Obama-era guidelines that instructed universities to consider race in their admissions process to make the student body more diverse. Democrats said the Trump administration was taking away protections for minorities.

The Center for Equal Opportunity, a conservative think tank, cited Harvard's own analysis of its admissions data and said it "demonstrates that being African American, Native American, or Hispanic was a 'plus' factor in the competition for admission, but being Asian-American proved to be a 'minus.'"

But Kristen Clarke, president of the Lawyers' Committee for Civil Rights Under Law, said the Justice Department filing "ignores the well-documented racial bias embedded in grades and standardized test scores."

Shaun Harper, head of the Race and Equity Center at the University of Southern California, said that grades and test scores alone should not be the only factors when deciding whether to admit a student.

"Is the DOJ saying that it is in favor of Harvard being 100 percent Asian-American because if we are looking just at GPAs and test scores, it could very well be that those with the absolute higher scores would be Asian-Americans," Harper said. "Is this what the DOJ is saying it wants?"

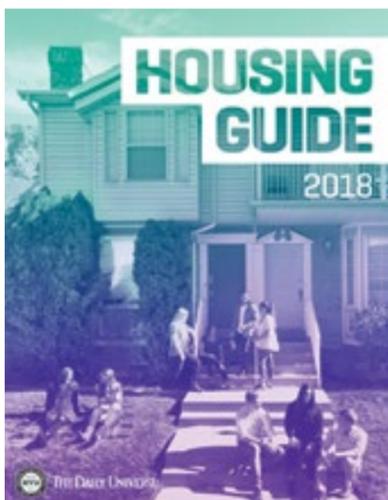
Several other groups also filed court documents siding with Harvard.

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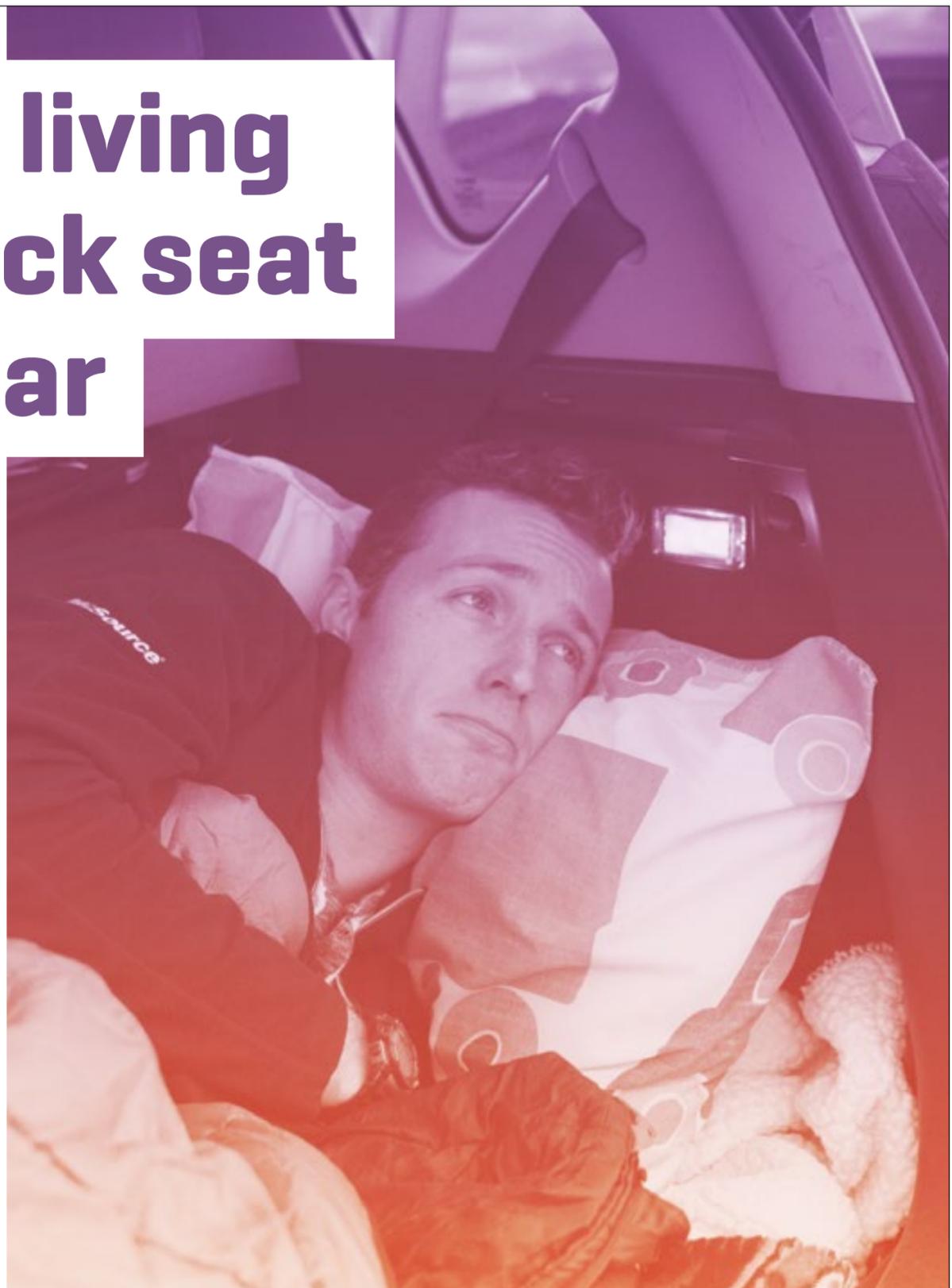


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Cougars launch season with 28-23 victory

By TRÉ HARRIS

BYU entered the game against Arizona as underdogs, unsure about the starting quarterback, the new offense, and player personnel.

Last year, BYU could not compete with Power Five competition. The Cougars finished 2017 with a record of 4-9 after a dismal offensive season. Head coach Kalani Sitake brought in Jeff Grimes as the new offensive coordinator. Grimes promised an exciting offense in his opening press conference, and his offense did not disappoint in the Cougars' victory.

The Cougars beat the Wildcats 28-23, and many players contributed to the win. Squally Canada scored the first points of the 2018 season for BYU. Arizona answered by scoring the next 10 points in the game, and the Cougars went into halftime trailing.

In the second half, the Cougars contained Arizona quarterback Khalil Tate.

Tate is thought to be one of the most dynamic quarterbacks in the country and a legitimate Heisman candidate. Tate rushed 14 yards on eight carries. It was the lowest rushing output by Tate in his starting career. He also completed 17 of 34 passes for 197 yards with a touchdown.

Kalani Sitake said he was pleased with how well the team contained Tate.

"I think the game plan that the defensive staff had was really good. There were some things that we were doing to try to keep them guessing on a lot of stuff and keep them contained, which meant we couldn't just tee off and try to come after him and apply pressure. He's a guy that can make someone miss, and it'll cost you," Coach Sitake said.

Linebackers Sione Takitaki and Zayne Anderson contained Tate throughout the game. The defensive line put enough pressure on Tate to support the defensive backs. Corbin Kaufusi flew all over the field tied as the leading tackler for the Cougars along with Butch Pau'u.

Sitake expressed in the post-game press conference that the staff "took a lot of chances" on the defensive side of the ball, adding that he thought the Cougars played aggressively and contained the Heisman candidate exceptionally well.

Coming out of halftime, starting quarterback



BYU Photo

BYU tight end Matt Bushman pulls in a touchdown against Arizona on Sept. 1. The Cougars secured a 28-23 victory against Arizona in the first game of the season.

Tanner Mangum came alive, throwing passes all over the field.

In 2017, Mangum suffered some physical injuries. He sprained his ankle at the beginning of the season. On Nov. 4, Mangum's junior season ended

against Fresno State when he injured his Achilles tendon which required surgery, becoming the sixth time in eight years and fourth year in a row that BYU's season-opening starter suffered a season-ending injury.

Despite Mangum's past injuries, he completed 18 of 28 passes for 202 yards with one touchdown against the Wildcats.

Dylan Collie, Dallin Holker, Matt Bushman, Neil Pau'u, Micah Simon, Moroni Laulu-Pututau, and Aleva Hifo all pulled down passes in the third quarter. Ten different Cougars caught passes in the game.

The Cougars outscored the Wildcats 21-0 in the third quarter. The defense caused Arizona to go three and out multiple times to start out the third quarter.

Mangum looked off the defenders and threw a pass to Bushman in the end zone — one of the Cougars' three touchdowns in their three red zone visits.

In the fourth quarter, Arizona began to pick apart the defense. In the first half, the Cougars' defense gave up a few long drives, and the fourth quarter appeared to be the same.

Arizona answered back with two touchdowns, cutting the Cougars' lead to five with just over three minutes left to play.

The Cougars came into the game as double-digit underdogs. And although Arizona made a strong push in the fourth quarter, the Cougars brought home a victory over a Power Five opponent.

This was the first game Canada scored three touchdowns — running a total of 98 yards — and the first time Laulu-Pututau caught a pass since 2016. Holker joined the ranks of firsts when he caught his first collegiate pass.

Apart from a few firsts, Grimes proved his offense is much improved from that of last season. The Cougars also proved they can compete with Power Five competition and control games late.

After the game, Sitake expressed his excitement for the victory and the ability the Cougars had to close the game.

"We've been thinking about this for a long time now, so we're really happy with the team and the ability to get the win and, especially at the end, winning it on our O-line's back," Sitake said.

In the past, the Cougars have relied on a strong offensive line. When it counted, the offensive line moved the defense and cleared space for Canada and running back Lopini Katoa, closing the game.

The Cougars will take on the University of California, Berkeley on Sept. 8 at LaVell Edwards Stadium.

Tutors help student athletes thrive in class

By EDISON THALMAN

BYU student Ben Chapdelaine sits in the Student Athlete Building as he reviews some economics homework and goes over his notes from the day. He's watching soccer highlights when his phone buzzes to alert him, "Meeting today on Chapter 4."

He silences the reminder and puts his phone in his bag. He rummages in his bag for a whiteboard marker as the door on the far side of the room opens. A tall, muscular student walks in and greets Chapdelaine with a smile and a fist bump. "Let's get into some economics," he says.

Chapdelaine is not a student athlete, but he spends 10-15 hours a week in the Student Athlete Building. Chapdelaine tutors athletes in economics and business school prerequisite classes.

During a season, athletes can be expected to be on the road as many as three times a week, and they are dedicating long hours on the field or court when they are in Provo. Student tutors help the athletes keep up in class and succeed off the field. Athletes are not required to meet with a tutor, but they can always request one.

Chapdelaine is studying economics and business. He said he loves strategy games, is a big fan of BYU athletics and aspires to be a teacher or manager someday.

Chapdelaine got involved in student athletic tutoring after hearing about the job opportunity from a friend. He said tutoring athletes is similar to tutoring anyone else.

"The first time we meet, I try to understand what their learning style is, understand how they feel they are doing in the classes and what they want to improve on the most. After that, we do a lot of exam prep and work on topics that they missed if they weren't in class due to tournaments or games," Chapdelaine said.

Chapdelaine keeps in touch with



Ben Chapdelaine

Student athlete tutor Ben Chapdelaine helps athletes with economics and business classes.

the athletes he tutors through text or e-mail and meets with them on a weekly basis.

"The student is responsible for any communication with TAs or professors. What I typically do involves teaching topics, helping with homework and doing exam preparation," Chapdelaine said. "We don't ever give answers to homework questions or write papers for them. It would defeat the purpose of helping the athlete by just giving them answers."

Chapdelaine tutors many students in ECON 110, which has a reputation for being one of the most difficult and most failed courses at BYU. He said he enjoys seeing those he works with learn and grow.

"It is always rewarding to watch athletes work hard through that class, despite having to miss lectures for tournaments or games and working around several hours of practice a week," Chapdelaine said.



Associated Press

New York Mets' Jeff McNeil hits a two-run single in front of San Francisco Giants catcher Nick Hundley. The Mets are in last place in the National League East. UMA Health is offering free therapy to Mets fans as a promotion to erase the stigma of mental health issues. Scan this photo with the **Universe Plus** app to hear a Portuguese translation of this story.



Mental health provider offers free fan therapy

By STEPHANIE MACIAS

Fan therapy. It's a thing.

Two days after the New York Mets had a historic loss against the Washington Nationals (4-25) in the end of July, UMA Health — a New York-based online mental health and coaching marketplace — offered free therapy sessions to fans.

Injuries and poor play have led to the Mets being placed dead last in the National League East. Their loss to the Nationals was the worst loss in Mets history.

To receive the free therapy, the company asked the fans to share their most difficult Mets memory.

"As a lifelong, die-hard Mets fan, I have struggled for decades with loving this team and watching while the organization makes mistake after mistake,

further embarrassing the team's fans and the great city of New York," UMA Health CEO Dave Kerpen said in a press release. "I may not have any power to improve the team, but at least now I can improve the stress and anxiety levels a bit for fellow Mets fans."

The promotion is meant to be light-hearted, with the intention to eliminate the stigma associated with the importance of therapy for mental health issues.

"The Mets may be a bit of a joke right now, but, in all seriousness, therapy is no laughing matter. Tens of millions of Americans struggle with depression, anxiety and mental health issues every year, and many of these issues go untreated," Kerpen said.

The offer made headlines across the nation and has increased awareness of UMA Health's services. Marketing to a professional baseball team fanbase is an effective way to reach a broad

and diverse audience, with the professional sports audience crossing many demographics.

Avid baseball fan from Highland, Utah, Mark Nyman said the tactic used by UMA Health to shed light on its services and the mental health issue is unique.

"When I first heard about Mets fans getting free therapy sessions, I thought, 'Maybe we're taking this sports thing a little bit too far,'" Nyman said. "But when I learned that it's a mental health provider advertising their services, I thought, 'That's really creative.'"

BYU marketing professor Douglas Witt jokingly related to Mets fans through his love for BYU football during a difficult season.

"Hey, peak performance for a bargain price. I need that too! And as a BYU football fan, I've been needing this for the past six months," Witt said.

Advocate for student loan borrowers resigns

ASSOCIATED PRESS

The nation's roughly 44 million student loan borrowers have lost their advocate inside in the U.S. government.

Seth Frotman, the government's top official overseeing the \$1.5 trillion student loan market resigned in protest Monday, citing what he says is the White House's hostility toward protecting the nation's student loan borrowers.

Frotman stepped down as student loan ombudsman on Sept. 1, according to his resignation letter, which was obtained by The Associated Press. He held that position since 2016, but has been with Consumer Financial Protection Bureau since its inception in 2011.

His departure leaves a critical role inside the U.S. government unfilled at a time of crisis in the student loan market.

Student loan debt has ballooned from \$638.9 billion in 2008 to roughly \$1.5 trillion this year. Meanwhile 13.6 percent of all student loans are either in default or delinquent, according to the Department of Education, a percentage that has remained alarmingly high despite an improving economy and record low unemployment.

Frotman is the latest high-level departure from the CFPB since Mick Mulvaney, President Donald Trump's budget director, took over in late November. But Frotman's departure is especially noteworthy, since his non-partisan office is one of the few parts of the U.S. government that was tasked with handling student loan issues.

The office was at the center of the lawsuits against for-profit colleges like Corinthian Colleges and is currently heading up a lawsuit between the CFPB and Navient, one of the nation's largest student lenders. The Navient lawsuit has been mired in bureaucratic red tape as the Department of Education, headed by Betsy DeVos, has been unwilling to help the CFPB with its lawsuit. Since its creation, the student loan office has returned \$750 million to harmed borrowers.

"You have used the bureau to serve the wishes of the most powerful financial companies in America," Frotman wrote, addressing his letter to



Associated Press

In July, Mick Mulvaney, acting director of the Consumer Financial Protection Bureau (CFPB), and Director of the Office of Management, listens during a news conference at the Department of Justice in Washington.

Mulvaney. "The damage you have done to the bureau betrays these families and sacrifices the financial futures of millions of Americans in communities across the country."

Congress created the student loan ombudsman office when it established the CFPB, citing a need for a go-to person to handle student loan complaints nationwide. One previous occupant of that position is Rohit Chopra, who was appointed by Trump to be a commissioner at the Federal Trade Commission.

The ombudsman's office is quite powerful, able to work with the bureau's enforcement staff to target bad behavior in the student loan market as well as act as a voice inside the government on behalf of student loan borrowers. The office processed tens of thousands of complaints from student loan borrowers and was among the first major government offices to raise alarms about the growing issue of students being unable to afford repaying their loans.

But despite its work, Mulvaney downgraded the mission of Frotman's student loan office earlier this summer and moved it under the umbrella of consumer education instead of enforcement. While at the time Mulvaney's office said it was a minor organizational shake-up, consumer advocates saw

the change as a move to downplay the CFPB's mission when it came to student loans.

Frotman also accused Mulvaney and his staff of deliberately hiding a report from the public that raised alarms that banks were overcharging student loan borrowers.

"When new evidence came to light showing that the nation's largest banks were ripping off students on campuses across the country by saddling them with legally dubious account fees, bureau leadership suppressed the publication of a report prepared by bureau staff," Frotman wrote.

The student loan office is not alone. Under Mulvaney, the bureau has scaled back its enforcement work and has proposed revising or rescinding all of the rules and regulations it put into place under the Obama administration.

"Seth Frotman is a public servant who treated every student loan complaint with the seriousness it deserved," said Debbie Goldstein, executive vice president at the Center for Responsible Lending. "His departure raises concerns about the priorities of Mulvaney and CFPB leadership and whether they are fulfilling the mission of the CFPB to focus on protecting consumers from financial abuse."

In a statement, a CFPB spokesman said it does not "comment on specific personnel matters" but also said "we hope that all of our departing employees find fulfillment in other pursuits and we thank them for their service."

Bill Gates directs education funding to poor US schools

ASSOCIATED PRESS

Marking another phase in his education agenda, Bill Gates is now taking a more targeted approach to help struggling U.S. schools.

The Bill and Melinda Gates Foundation is now funding groups working directly with clusters of public schools in some of the most impoverished regions of the country. Many of those third-party groups already had relationships with the world's largest philanthropy, and some of the grants went straight to a school district and charter schools organization.

The foundation announced on Aug. 28 the first round of nearly \$100 million for 19 program initiatives for middle and high schools in poor communities across 13 states. Gates pledged \$460 million over the next five years to fund networks of school programs that help low-income and minority students get to college.

The grants will address the whole scope of what it takes to get those students to college — from academic skills like math and English proficiency to existential pitfalls like middle school suspensions and the college application process.

It's also another indication that the Microsoft co-founder and billionaire philanthropist is trying to be less prescriptive with top-down ideas that have rankled some educators. Critics have said the foundation's work over the past decade has included trial-and-error programs that haven't accomplished as much as hoped to help vulnerable children

succeed in school.

"We're not inventing anything in this strategy. We're taking what we learned from research and experience," said Bob Hughes, who leads Gates' K-12 education program.

Letting local and regional forces take the lead marks a departure from the national or system-wide education initiatives that Gates previously supported, including majorly consequential directives over academic standards, teacher evaluations and school sizes.

Here's a look at some of the Gates Foundation's educational funding over the past two decades:

Networks for school improvements since 2018: \$460 million

Gates is granting money for specific proposals submitted by various groups, public school districts and charter school networks to support and expand programming ideas aimed at helping low-income children.

Among the grantees is the San Diego-based High Tech High Graduate School of Education. The program's provost Ben Daley said the school will use the money to help students navigate what can be an overwhelming college admissions process that includes trying to get financial aid, transferring credits and following up on college acceptance letters.

Daley said that work will be more nuanced than layering more programming on top of what's already offered, so that it can be a "simple, engaging and positive" resource for kids across 30 public, charter and alternative high schools in his region.

"We know if it's just like 'more.' That's not going to work," Daley said.

College scholarships 1988-2018: \$1.6 billion

The most enduring Gates Foundation program was the Gates Millennium Scholars.

Gates wanted to foster diversity in science-related fields with college scholarship money. More than half of the 20,000 scholarships went to lower-income minority students whose parents hadn't gone to college. Gates also supported recipients when many went on to graduate school with hopes to diversify leadership in those fields.

That program officially ended in 2018, though the scholarship model lives on as the new Gates Scholars program, which is limited to undergraduate studies.

Common Core 2008-2017: \$280 million

Gates used his money and celebrity to support the Common Core State Standards because he believed it ensured all kids got an equally good education. The academic standards determined what kids should learn, but doesn't set the curriculum or determine how kids learn.

His success was evident when nearly all states initially adopted it, but President Barack Obama's support became politically problematic.

Obama's administration created incentives benefiting Common Core's roll-out, which critics slammed as tantamount to federal overreach. The teachers and parents who also soured on the standards claimed a formulaic approach to education was confusing and detrimental to the learning process.

Teacher quality and evaluations 2009-2015: \$257 million

Gates set out to quantify what it takes to be a good teacher and partially funded school districts that were piloting ways to measure and improve teaching. But the idea to tie student test scores to teacher evaluations upset some teachers.

The program ended poorly. An independent Rand Corporation report commissioned by Gates said the endeavor failed to substantially improve the learning process for either teachers or students. Hillsborough County Public Schools in Tampa, Florida was left scrambling financially after the Gates money disappeared.

Small schools 2001-2009: \$345 million

Convinced that smaller schools with specific interests could foster better, more motivated learning for the most at-risk students, Gates spent millions testing how to break up the large comprehensive high school model.

But schools struggled with the logistics of multiple academies under the same roof and communities felt disconnected by the changes. The academic gains were in some cases impressive but limited in scope. Gates chalked it up to the financial and political cost of changing traditional schools.

Library technology 1999-2007: \$325 million

Bill and Melinda Gates' first major charitable effort was to install personal computers and internet access in libraries. Then known as the Gates Library Foundation, the initiative was eventually absorbed into their namesake, Seattle-based foundation that is today the world's largest private nonprofit.

The man who led the computing revolution and his wife — a former computer programmer and Microsoft manager — gave money for computers, internet and librarian training.

The library program ensured 10,000 libraries — or 99 percent of all public libraries at the time — across the country had access to the new technology, particularly in low-income communities.



Associated Press

Microsoft co-founder Bill Gates speaks at the "Get Schooled" conference hosted by the Bill and Melinda Gates Foundation and Viacom in Los Angeles on Sept. 8, 2009.

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A powerhouse of stage and screen, Laura Benanti is acclaimed for her work in NBC's *The Sound of Music Live!*, *Nashville*, *She Loves Me*, Tony Award-winning role as Gypsy Rose Lee, and recently Steve Martin's Broadway hit play *Meteor Shower*. Her remarkable and versatile talent has earned her a spot as one of the brightest and most accomplished stars on Broadway today. Ms. Benanti will entertain audiences with her unmatched wit, performing selections from some of your favorite Broadway shows.

Fri., Sept. 7, 7:30 p.m.
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BYU World of Dance

BYU's finest student dance ensembles shine in this treasured annual season-opening showcase concert, featuring the Ballroom Dance Company, Contemporary Dance Theatre, International Folk Dance Ensemble, Living Legends, and Theatre Ballet.

Sept. 20-21, 7:30 p.m.
Sat., Sept. 22, 2:00 p.m.,
11:00 a.m. Family matinee
de Jong Concert Hall



BYU Instrumental Showcase

Fri., Sept. 28, 7:30 p.m.
de Jong Concert Hall



BYU Jazz Showcase

Wed., Oct. 3, 7:30 p.m.
de Jong Concert Hall



Coco Screening with Director Lee Unkrich

Fri., Sept. 14, 7:30 p.m.
Pardoe Theatre

Greek Theatre: *Women of Trachis*
Mon., Sept. 24, 5:00 p.m.
de Jong Concert Hall

BYU Choir Showcase
Tues., Oct. 2, 7:30 p.m.
de Jong Concert Hall

The World's Strongest Librarian
Sept. 28, Oct. 4-5, 10-12, 7:00 p.m.
Sept. 29, Oct. 13, 2:00 & 4:00 p.m.

All events are ticketed.



#BYU hacks

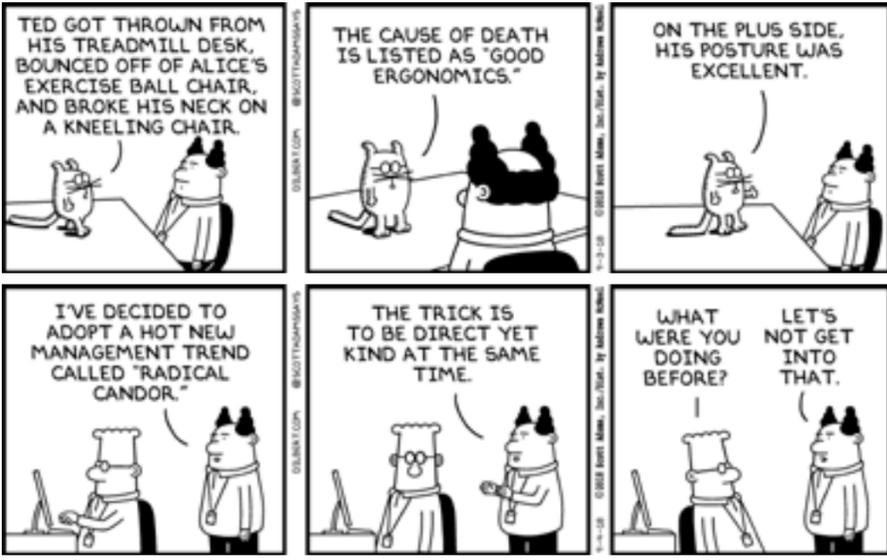
The 'how to' at BYU

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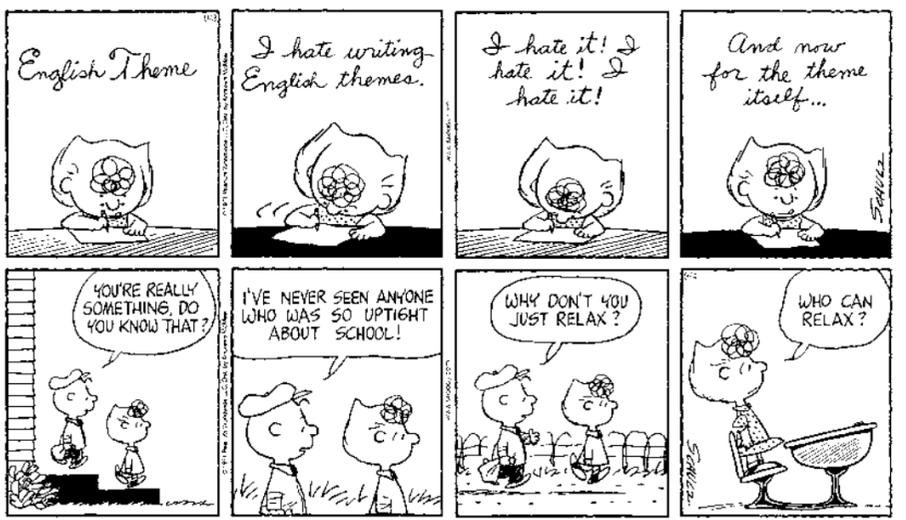
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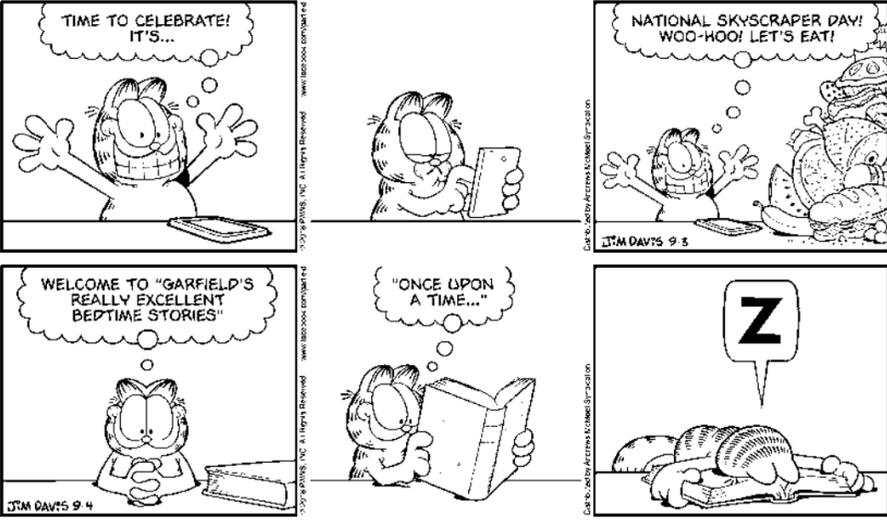
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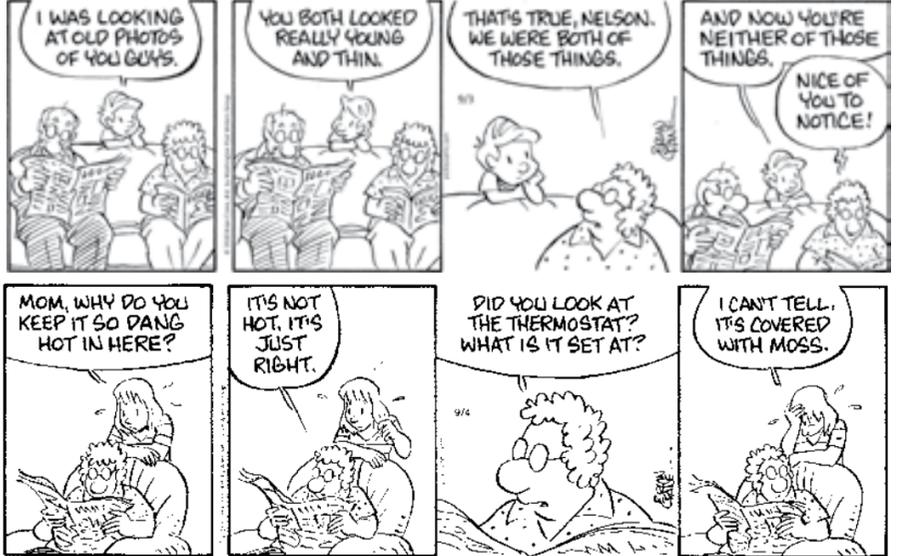
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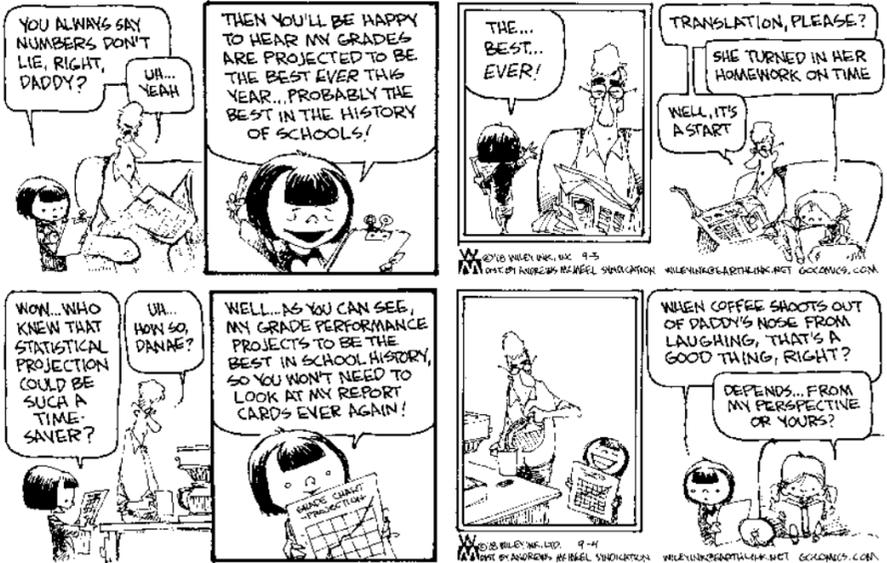
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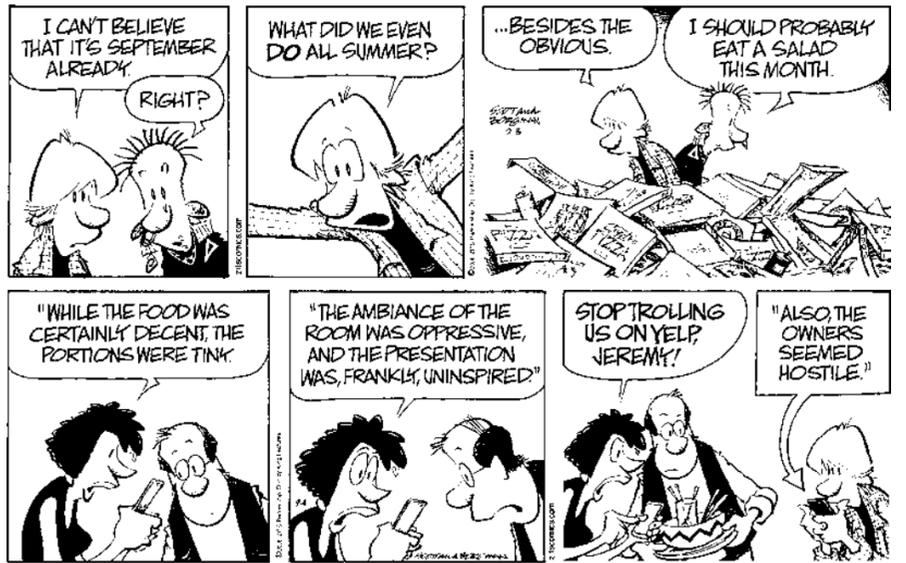
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Sudoku

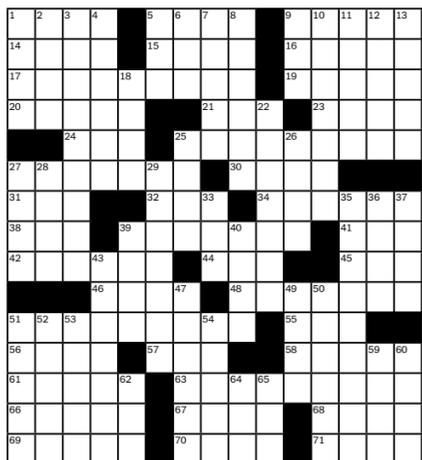
Use the numbers 1-9 once in each row, column and marked grid of 9. Puzzles increase in difficulty from left to right. Solutions are at universe.byu.edu/sudoku.

2			6					1	6			4					9	6	7				4	5	6			2	1			
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The New York Times Crossword

Edited by Will Shortz No. 0730

- ACROSS**
- 1 Bouquet holder
 - 5 Leaf-gathering tool
 - 9 Org. that distributes music royalties
 - 14 "SportsCenter" channel
 - 15 Better than ___
 - 16 Hole digger's tool
 - 17 *Annual event displaying agricultural products
 - 19 Japanese beer brand
 - 20 Unexpressed
 - 21 Children's author ___ Asquith
 - 23 Dog biter
 - 24 ___-friendly (green)
 - 25 *Spilling a drink or eating all the guacamole, say
 - 27 Rhythmic pattern
 - 30 Junior ___ 12-time Pro Bowl linebacker
 - 31 Rock grp. with the 1977 song "Rockaria!"
 - 32 Sun or planet
 - 34 Socially assertive types
 - 38 Original Beatles bassist ___ Sutcliffe
 - 39 *Candy from a candy machine
 - 41 Miner's haul
 - 42 Hauling
 - 44 Fold-up bed
 - 45 Item in a caddie's bag
 - 46 Bread served with vindaloo
 - 48 Rangers or Flyers
 - 51 *Attack from the sky
 - 55 One might end with .org
 - 56 Roulette playing piece
 - 57 Envision



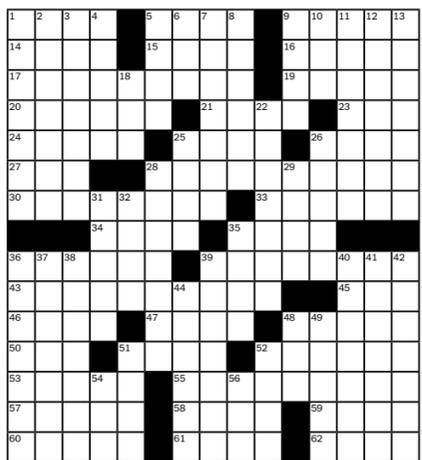
- DOWN**
- 1 Word after life or bulletproof
 - 2 "The Thin Man" dog
 - 3 *In a daze
 - 4 Lead on
 - 5 Official with a whistle, informally
 - 6 Screen siren Gardner
 - 7 Knightley of "The Imitation Game"
 - 8 Flubs
 - 9 "___ and ye shall receive"
 - 10 Add some style to
 - 11 Monte (gambling haven)
 - 12 Parisian goodbye
 - 13 Punishment-related
 - 18 School founded by King Henry VI
 - 58 Low voice
 - 61 A hot one might be trending
 - 63 Narrow escape ... or what the end of the answer to each starred clue is?
 - 66 Met performance
 - 67 Brother mentioned more than 70 times in Genesis
 - 68 Nonstick cookware brand
 - 69 Extend, as a membership
 - 70 Peeved
 - 71 Dreamcast console maker

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The New York Times Crossword

Edited by Will Shortz No. 0731

- ACROSS**
- 1 Mesh (with)
 - 5 Apply, as plaster
 - 9 Rapper Nicki ___
 - 14 Word before collar, jacket or College
 - 15 Actress Kendrick or Paquin
 - 16 Black Sea port, to natives
 - 17 Contemporary of Booker T. Washington
 - 19 Touched in the head
 - 20 Make stand out, as letters on stationary
 - 21 "___ magnifique!"
 - 23 Zilch
 - 24 French wine valley
 - 25 "Nonsense!"
 - 26 Achy
 - 27 Indy-to-Cleveland direction
 - 28 Best-selling author who invented multiple languages
 - 30 Hold back
 - 33 Oddball
 - 34 Molten tar, e.g.
 - 35 Lift up the ski slopes
 - 36 Like Splenda vis-à-vis sugar
 - 39 Professionals who put on coats for work
 - 43 Classic toy store founder
 - 45 Remote button: Abbr.
 - 46 Symbol of power
 - 47 Olympian Apolo Anton ___
 - 48 Shoe material
 - 50 Brian who coined the term "ambient music"
 - 51 Dog unlikely to have a solid coat
 - 52 Braid, e.g.
 - 53 Dog breed at Buckingham Palace
 - 55 Indication of more to come ... or what 17-, 28- and 43-Across all contain
 - 57 City in northern Italy
 - 58 Novelist Seton
 - 59 Not imaginary
 - 60 Mohawk or mullet
 - 61 Swarm (with)
 - 62 Bohemian



- DOWN**
- 1 One visited by a prospective groom
 - 2 Top of a to-do list
 - 3 British officers
 - 4 Setting in "Return of the Jedi"
 - 5 Little amounts of cream
 - 6 Year in Spain
 - 7 Creature on Scotland's coat of arms
 - 8 Least dignified
 - 9 Lose one's feathers
 - 10 Reply at the altar
 - 11 Modern dark film genre
 - 12 Had high hopes
 - 13 "The Tonight Show" host before and after Conan O'Brien
 - 18 Application
 - 22 Hollywood and such
 - 25 Cheese similar to Camembert
 - 26 School uniform wear, maybe
 - 28 Hybrid music genre with African-American roots
 - 29 Not fatty
 - 31 "Salud!" or "Skoal!"
 - 32 College recruitment org.
 - 35 Root vegetable sometimes made into chips
 - 36 "Special" things in sci-fi films
 - 37 Reason for a doubleheader
 - 38 "My sincere apologies"
 - 39 Company with an annual "Color of the Year" award
 - 40 Kindle, for one
 - 41 Revolutionary War foe
 - 42 Dolce
 - 44 Informal question of identification
 - 49 The "U" of UHF
 - 51 Function associated with oscillation
 - 52 Cheese similar to Gouda
 - 54 ___ Grissom, longtime "CSI" character
 - 56 Actor Sheridan of "Ready Player One"

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ANSWER TO PREVIOUS PUZZLE

GHOST CHAT CHEW
PARTV AXLE HULA
STRAW SHEA IMA X
BIOCHEMICAL
ARC FLAX UDON
REHEEL HOPE BSA
MARX ADHER EPEES
APOP SIVER LIPS
DEMON TAI ANTE
ADO LAS GANGES
SERF X MEN STS
DOUBLE ELIX
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