



SciTech Now

30 minute weekly program
Fridays at 8:30pm on KLRN

Chris Duel hosts this weekly newsmagazine program. The show covers everything from the IT industry to biomedical enterprises, bringing attention to the science, technology, engineering and mathematics (STEM) advancements in South Central Texas and around the country.

Program number: 118
Program length: 26:46
First air date/time: July 1, 2016 7:30pm

Here's a frightening fact: one of the most dangerous locations for exposure to germs and viruses is in a hospital. It's estimated that hospital-acquired infections affect one in 25 patients and kill nearly 200 people every day in the U.S. But help is on the way, in the form of Xenex Germ-Zapping Robots.

Program number: 119
Program length: 26:46
First air date/time: July 8, 2016 7:30pm

In 2010, thousands of San Antonians gathered to determine how the city should evolve across multiple cause areas by the year 2020. The non-profit SA 2020 was established in 2012 to turn this vision into a reality. With the year 2020 getting closer every day, how is the city doing on its key indicators? Let's go to SA 2020 and learn how data is gathered and analyzed to help the community achieve its goals. To learn more, volunteer, support or partner with SA 2020. Visit their web site at [SA 2020 .org](http://SA2020.org) In June, the South Texas and global tech communities lost a vibrant advocate. Alan Weinkrantz, a San Antonio-based tech and start up PR specialist, was killed in an automobile accident as he was dining in Tel Aviv, Israel at an outdoor sidewalk cafe. Alan often traveled between San Antonio and Israel to promote and assist start up companies. He was one of the first members of Geekdom in San Antonio and a beloved, enthusiastic leader and mentor of the local tech community. Alan was also a friend of KLRN and SciTech Now. He had written to me that he wanted to share exciting story ideas for this program upon his return from Israel. He is missed. Alan Weinkrantz was 63.

Program number: 120
Program length: 26:46
First air date/time: July 15, 2016 7:30pm

: Earthquakes are a powerful force of nature. But nature isn't always responsible for causing earthquakes. Sometimes earthquakes are manmade. A byproduct of oil and gas extraction is water, which is often re-injected into the ground, sometimes causing earthquakes. The latest version of a 3-D

software can help estimate the likelihood of these man made earthquakes, resulting in a wide range of benefits. Let's go to San Antonio's Southwest Research Institute and learn more. While Dr. Alan Morris led the current upgrades of the 3-D software, its first version was developed over 20 years ago by Southwest Research Institute scientists.

Program number: 121
Program length: 26:46
First air date/time: July 22, 2016 7:30pm

3-D printers have become very popular for home and industrial use. But at the University of Texas at San Antonio, they're using a very rare and sophisticated 3D printer in a biomedical engineering lab to print human tissues. This research could lead to regenerating organs and perhaps one day printing organs themselves. Let's learn more. While Dr. Guda and his research team are currently testing the 3D printer with silicone, they plan to soon move into printing grafts for bones, skeletal muscle, pancreas tissue and salivary glands. We'll continue to keep you posted on their progress.

Program number: 122
Program length: 26:46
First air date/time: July 29, 2016 7:30pm

Summer Camp. For some kids, it involves swimming or hiking or arts and crafts. But at the Mad Science summer camp, the kids are building robots! Let's go check it out.

Program number: 123
Program length: 26:46
First air date/time: August 5, 2016 7:30pm

Juno is one of NASA's most ambitious space probes, now orbiting the planet Jupiter since this past July 4th. Many of the scientific instruments and experiments aboard Juno were developed in San Antonio at Southwest Research Institute. But there's more to this story. Two UTSA graduate students are also working on the project and one of them hopes to be an astronaut one day. Let's learn more... Juno is only the second spacecraft to orbit Jupiter and the first using solar power. The nuclear powered Galileo probe orbited Jupiter from 1995 to 2003. We'll continue to track all the progress from Southwest Research Institute and NASA.

Program number: 124
Program length: 26:46
First air date/time: August 12, 2016 7:30pm

A place where children and adults fly. Without wings or aircraft of any kind. Oh, and they fly indoors too. It's called iFLY and there are locations across the country. Let's go to the new iFLY San Antonio and learn about indoor skydiving and STEM education programs for students from elementary school through college. The Science, Technology, Engineering and Math subjects that are addressed in iFLY's STEM education include physics, aerodynamics, fluid flow, terminal velocity and calculated drag coefficients.

Program number: 125

Program length: 26:46

First air date/time: August 19, 2016 7:30pm

At Trinity University, they recently held a high tech slumber party. But there wasn't much sleep to be had during this 24 hour plus event. It's the annual SoHacks Hackathon and the person in charge had yet to begin her junior year of high school. What's it all about? Let's go see... The fourth SoHacks Hackathon will be held next summer, in August of 2017. It's free and they're already taking applications for next year at SoHacks.com

Program number: 126

Program length: 26:46

First air date/time: August 26 2016 7:30pm

San Antonio's Southwest Research Institute has played a vital role in Space Exploration dating back to the Sixties and the Apollo program. But now, for the first time, a cluster of satellites was designed and built right here at the Institute. It's the Cyclone Global Navigation Satellite System, also known as CYGNSS. It's aim: to improve extreme weather prediction, including hurricane forecasting. Let's meet the team behind this remarkable mission. CYGNSS is scheduled for launch on November 21st and we'll keep you updated on its progress once in orbit.

Program number: 127

Program length: 26:46

First air date/time: September 2, 2016 7:30pm

Dinosaur George is a name not most people would think twice about when it comes to dinosaurs and fossils, but he has made it his mission to educate children about both in a very unique way. Let's go inside the KLRN studio and learn more. At last check, Dinosaur George is touring around Texas with his rolling museum and could make a local stop near you.

Program number: 128

Program length: 26:46

First air date/time: September 9, 2016 7:30pm

The Center for Innovative Drug Discovery (CIDD), a joint venture between The University of Texas at San Antonio and The University of Texas Health Science Center, is composed of two facilities: a High-Throughput Screening (HTS) Facility located at UT Health and Science Center and a Medicinal Chemistry and Synthesis Core Facility at UTSA. Thanks to a recent grant that was given by The Cancer Prevention & Research Institute of Texas (CIPRIT), the idea to produce a drug compound that can be one day sold in shelves to consumers going through cancer treatments, could become a reality. Let's learn more. The mission of the Center for Innovative Drug Discovery is to catalyze collaborations with investigators by providing high-quality, industry-level services and expertise related to small molecule drug discovery and pre-clinical development. We'll continue to follow their progress as more breakthroughs are sure to come.

Program number: 129

Program length: 26:46

First air date/time: September 16, 2016 7:30pm

When you think about science and technology, the term “fashion” might not be the first thing that comes to mind, but a company here in San Antonio has combined art and science into a very unique product. The end result? A seamless blend of fashion and function. Let’s learn more about Wisewear. Since Wisewear has hit the market, it has been recognized both locally and nationally; for its style and technology that helps lose the screen, not the moment.

Program number: 130

Program length: 26:46

First air date/time: September 23, 2016 7:30pm

The Surfacer Inside-Out Access Catheter System, created by Bluegrass Vascular Technologies in San Antonio, has recently received CE mark approval and hopes to one day be used here in the United States. What made this product so unique? Let’s learn more. Bluegrass Vascular Technologies is dedicated to developing innovative lifesaving devices and methods that address limitations with current vascular access procedures. With their Surface System, this product could one day be approved by the FDA to be used here in the United States.

Program number: 131

Program length: 26:46

First air date/time: September 30, 2016 7:30pm

The goal at The ThriveWell Cancer Center, is to empower cancer patients and survivors to thrive. One unique program, called Deriving Inspiration and Vitality through Activity, The Diva Program, is giving those who have breast cancer that fighting chance. We sit down with an oncologist who introduces us to the program, and a breast cancer survivor who actively uses the Diva Program. Thrivewell Cancer Foundation provides eligible adult cancer patients with financial assistance towards their cancer treatment. As well as provide transportation assistance for active cancer treatment throughout San Antonio.