



Shasta High School Robotics



Brian Grigsby (left) and President Greg Dunbar (right)

Brian Grigsby, the Science Department Chair at Shasta High School, shared with the club information about their Space Science and Engineering program. There are three main high schools from Redding that participate in the program including Shasta High School, Enterprise High School, and Foothill High School. They have developed several courses over the last several years to help their students learn to be a strong workforce.

Part of this program includes VEX Robotics Application where the kids design and build robots as part of the curriculum while learning planning, process, execution, and teambuilding. They compete in a VEX Robotics Competition near the end of the class.

While this is an exciting program that the students seem to enjoy, the benefit of it includes catching their attention to the rest of the world of science, engineering, and mass manufacturing. The school also offers programming that includes computer coding in various languages, drone airplane lessons and rules in an attempt to get the kids FFA Certified as drone pilots, as well as engineering courses including space science, robotic, exploring, manufacturing, and the use of Computer Aided Drafting (CAD).

The program has grown a lot over the years. Five years ago there was only one robotics team at Shasta High School. Now they have, “25 teams across the region and each is developing their own program at their high schools or middle schools,” Brian says. Shasta High School has several teachers working on the curriculum, five or more periods of class a day, and a new Science Engineering facility is being built at Shasta High School that will include both labs and classroom space. This is an exciting time to be a Shasta High student!

Brian shared information on a few of the projects the Shasta High students are currently working on. The first is called Knight Wolf. The students are developing a satellite that is planned to be launched into space in 2020! The satellite size is pretty small, but the kids are involved in the designing and building of this satellite.



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Another is Project SKOUT (Shasta's Kinect Observing Underground Terrain). The kids were tasked by NASA Ames Research Center to develop a rover based on the NASA design of the rover known as Project Braille. The kids took an Xbox One and using the Kinect part of the device as the optical sensor, they designed, built, and programmed their own rover called Project SKOUT.



Brian shared with us stories of some of their past students who have gone on to have excellent careers in engineering and science as further proof this program has value and is making a positive impact in student's lives.



President Greg's Recognitions

Joanna Dean & Susie Michiels both participated in the Lasagna cook-off as part of the joint social put on my Teams 3 & 4 last week. Joanna's lasagna placed first and Susie's lasagna placed second. Both were recognized for \$100 to the club .

Cathy Wyatt was recently honored at the Soroptimist International of Downtown Redding with the Ruby Award. She gave \$100 to the club for being recognized.

Julie Winter recently challenged Rotarians to make club donations saying she'd match the total donated and put it toward the Redding Rising Mural. \$2,000 total was donated to the club by the following individual donations: **Greg Dunbar, Mike Warren, Bruce Dean, Dave Howland, Jake Mangas, Gene Poch, Dar Barzin, Sheva Nickravesh, Anna Tracy, Parvin Carter, Barry Tippin, Bob Allen, Tony Giovaniello, PP Tiger Michiels, Ed Tam, Chuck Ryan, Paul Ferraiuolo, Sherrill Bambauer, Dee Domke, and Judy Salter.** Julie donated \$2,000 to the mural. Thanks everyone!

Mark Wood recently went on a train ride from Albuquerque, New Mexico to Winslow, Arizona and shared \$100 toward his Paul Harris and \$100 to the club for the story.

Jeff Avery, Steve Westlake, Gary Burks, and Teresa Adams went to the Shasta College Hall of Fame auction and a few of them took a photo with retired 49ers player, Keena Turner. Gary gave \$100 to the club, Jeff gave \$200 to his Paul Harris, and Teresa gave \$100 to the club. Steve got away with it because he wasn't in attendance (smart guy).

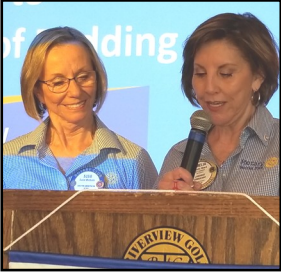
Mark Ball gave \$100 because he was standing up when **President Greg** was looking for someone to fine.

Dave Dennis gave, "whatever I owe", in exchange for a thrilling tale about rescuing two stray cats with his wife, Pat.

Thank you everyone for your generosity!



This Week's Meeting



Susie & Amelia

This meeting was brought to you by Team 4 captained by **PP Amelia Ward & Susie Michiels**. Greeters were **Tim Thomas, David Kehoe, and Joe Ayer**. They were joined by Keyway Greeter **Sarah Fernandez**.

The pledge was led by **Tiger Michiels**; the invocation was given by **Marjeanne Stone**; the Sergeant-at-arms were **Larry Lees and Vickie Marler**. Today's music was performed by **Rick Hill and Jennifer Finnegan**. **PP Dick Green** introduced our visiting Rotarians and guests.

Club Announcements

Jeff Avery - Talked about his PETS training, and talked a little too long ending up in a \$100 fine.

Amelia Ward—Reminded us all the I-House students will be visiting Redding next week.

PP Ed Rullman—Promoted the Keyway team's Bowl-A-Thon scheduled for April 27th.

Honor to Youth

This month's Honor to Youth was a senior at Shasta High School, Shae. Shae is the ASB President carrying a 4.2 GPA. She is extremely involved in her school and participates in track, swim, and cheer. Shae plans on attending CSU San Luis Obispo after graduating high school. Leo Perez, the Principal at Shasta High School, called Shae, "the embodiment of what we want in our students in any of our schools." Congratulations, Shae, for receiving this month's Honor to Youth Award!



Shae, Honor to Youth

New Rotarian Dr. Jack Kimple



Dr. Kimple & Sponsor Mark Wood

Welcome to our newly inducted Rotarian, Dr. Jack Kimple, to the club! Jack is co sponsored by Mark Wood and Ken Seamans. Dr. Kimple is a retired physician and served on the Board of Directors for Shasta Head Start and Hill Country Community Clinic. He is from Syracuse, NY and attended Cornell University among others. He is the co-founder of Redding Family Medical Group until his retirement. He and his wife Barbara have twelve grandchildren with another on the way! Jack enjoys golf, hiking, and gardening. Welcome, Dr. Kimple!



Dr. Kimple & Sponsor Ken Seamans

Calendar

March 28	I-House, Amelia Ward
April 4	Literacy Program Update, Peggy O'Lea & Wendy Dickens
April 11	City of Redding Update, Barry Tippin
April 18	Lassen's Youth Camping Program, Jennifer Finnegan

Redding Rotary
PRESENTS



The Annual Keyway

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Fundraiser

Saturday, April 27th 5:00-8:30 pm

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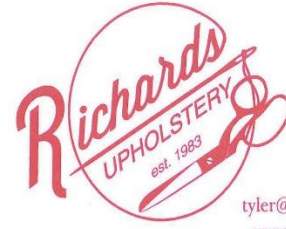
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