



**ROTARY
SERVING
HUMANITY**

THE DUBLIN SHAMROCK

VOLUME XLIII ISSUE No. 12 MARCH 13, 2017

The Rotary Club of Dublin, California 2016-2017

"The Home of Rotarians in Action"

President:

Rich Boschetti

Past Co-Presidents:

Bo Carvacho

Mona Dunlop

President Elect:

Patty Pringle

Secretary:

Don Price

Treasurer:

Parvin Manuchehri

Vocational Service:

TBA

Youth Service:

Bryan Benton

Club Service:

Ron Mazur

International Service:

Rich Bennett

Community Service:

Janine Thalblum

Foundation Chair:

Larry Damaser

Membership:

Alan Brown

Club Trainer:

Dennis Miller

Communications Dir.:

MC Kulick

Fundraising:

Kamal Della

Shamekka Marty

Newsletter:

Chris Kinzel

Program Chair:

Megan Rouse

Social Chairs:

Beverly Herrera

Stephany Jenkins

Dublin Schools Emphasize Science

Recent speaker Dr. Lisa Gonzales, the Assistant Superintendent for Educational Services at the Dublin Unified School District, discussed how Dublin and other school districts are updating science instruction. She discussed the Next Generation Science Standards (NGSS), which are being developed in response to declining achievements by U.S. students:

- United States students ranked 23rd in Science, 30th in Math, and 20th in Reading Literacy out of 65 nations.
- The United States ranked 23rd in high school graduation rate.
- Over a third of eighth-graders scored below basic on science assessment.
- 54% of high school graduates did not meet the ACT's college readiness benchmark levels in math, and 69% of graduates failed to meet the readiness benchmark levels in science.

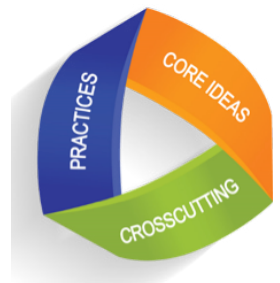


The conclusion is that the U.S. system of science and mathematics education is performing far below par and, if left unattended, will leave millions of young Americans unprepared to succeed in a global economy.

NGSS examined what highly ranked countries expected from their equivalent K-12 students and developed standards that will have application to the U.S. The framework of their findings and recommendations rest on a view of science as both a body of knowledge and an evidence-based, model and theory building enterprise that continually extends, refines, and revises knowledge. It presents three dimensions that are combined to form each standard:

Dimension 1: Practices The practices describe behaviors that scientists engage in as they investigate and build models and theories about the natural world and the key set of engineering practices that engineers use as they design and build models and systems. Strengthening the engineering aspects of the NGSS will clarify for students the relevance of science, technology, engineering and mathematics (the four STEM fields) to everyday life. "What the students do."

Dimension 2: Crosscutting Concepts Crosscutting concepts have application across all domains of science. As such, they are a way of linking the different domains of science. They include: Patterns, similarity, and diversity; Cause and effect; Scale, proportion and quantity; Systems and system models; Energy and matter; Structure and function; Stability and change. The Framework emphasizes that these concepts need to be made explicit for students because they provide an organizational schema for interrelating knowledge from various science fields into a coherent and scientifically-based view of the world. "How students think."



Dimension 3: Disciplinary Core Ideas Disciplinary core ideas have the power to focus K-12 science curriculum, instruction and assessments on the most important aspects of science. To be considered core, the ideas should meet at least two of the following criteria and ideally all four:

continued on page 3



Dublin Schools cont'd. from page 1

- Have broad importance across multiple sciences or engineering disciplines or be a key organizing concept of a single discipline;
- Provide a key tool for understanding or investigating more complex ideas and solving problems;
- Relate to the interests and life experiences of students or be connected to societal or personal concerns that require scientific or technological knowledge;
- Be teachable and learnable over multiple grades at increasing levels of depth and sophistication.

Disciplinary ideas are grouped in four domains: the physical sciences; the life sciences; the earth and space sciences; and engineering, technology and applications of science.

Framework Underlying NGSS:

First, it is built on the notion of learning as a developmental progression. It is designed to help children continually build on and revise their knowledge and abilities, starting from their curiosity about what they see around them and their initial conceptions about how the world works. The goal is to guide their knowledge toward a more scientifically based and coherent view of the natural sciences and engineering, as well as of the ways in which they are pursued and their results can be used.



Second, the framework focuses on a limited number of core ideas in science and engineering both within and across the disciplines. Reduction of the sheer sum of details to be mastered is intended to give time for students to engage in scientific investigations and argumentation and to achieve depth of understanding of the core ideas presented. Delimiting what is to be learned about each core idea within each grade band also helps clarify what is most important to spend time on, and avoid the proliferation of detail to be learned with no conceptual grounding.

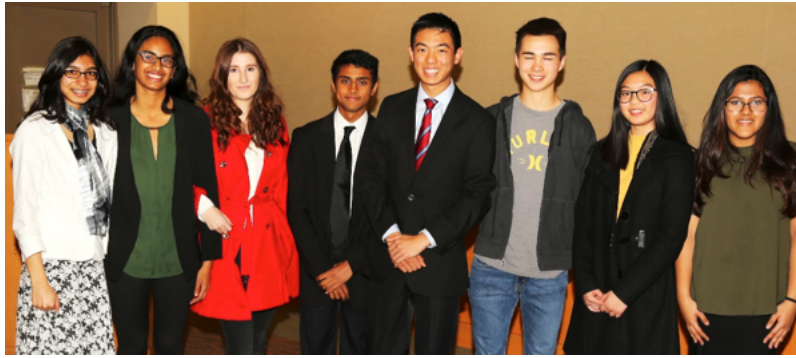
Third, the framework emphasizes that learning about science and engineering involves integration of the knowledge of scientific explanations (i.e., content knowledge) and the practices needed to engage in scientific inquiry and engineering design. Thus, the framework seeks to illustrate how knowledge and practice must be intertwined in designing learning experiences in K-12 science education.

Dr. Gonzales provided a timeline of how DUSD is integrating NGSS over a four year period. This is the second year. Last year, lead teachers learned about and began incorporating NGSS ideas into lessons. This year, DUSD is beginning a full transition into NGSS with pilot programs in the 5th and 8th grades and high school levels. Next year, lead teachers will oversee the development of units of study, and assess results of progress to date. In 2018-19, DUSD will achieve full implementation of NGSS.

Transition to Next Generation Science Standards & Assessments			
2015-2016	2016-2017	2017-2018	2018-2019
Core Lead Teachers learned how to implement NGSS	Core Lead Teachers and Lead Teachers plan professional development	Core Lead Teachers and Lead Teachers will support grade level teams to design units of study	Core Lead Teachers and Lead Teacher will continue support
Lead Teachers and other interested teachers began incorporating NGSS ideas into lessons	DUSD begins transition to a system-wide practice of NGSS	DUSD continues transition to a system-wide practice of NGSS	DUSD full implementation of NGSS
	NGSS Pilot Test administered to 5th, 8th, and High School (no results released)	NGSS Assessment Field Testing to 5th (no results released)	Anticipated CA NGSS Assessment administered to 5th

Dr. Gonzales, in her first year at DUSD, comes across as a passionate educator seeking to improve students' opportunities for a stronger educational background.

Eight DHS Speech Contestants are Strong!



The largest group of speech contestants in recent memory did a great job at the recent annual club event. Judges had a tough effort rating the students. All speeches were required to incorporate at least one part of the Rotary Four-Way test. For example, the first speaker noted that divisiveness is not beneficial and we all “need to know each other better.” One speaker opted for peace and communication: “Above all, try something.” Another noted the compassion for Hurricane Katrina victims, was concerned about victimized young blacks; saying if people adhered to Rotary-promoted ideals, prejudice, discrimination and violence would disappear as the country would become “charitable and gracious.”

“Young people have a right to education” said one, “especially in other nations. Education promotes peace, independent thinking, and promotes change”. With education, there is a “better collective future.” Another said, “It is extremely important to show how much you care for people” through humanity, or love and care. Still another spoke of the virtues of pride – pride is behind every good idea, and pride can build a positive team mentality, by reducing miscommunication and hard feelings.

The Puritans faced new challenges. All men are created equal, even the millions of refugees. We should not be closing our doors on thousands of innocent refugees. We should continue to pass on the torch that JFK alluded to. The final speaker noted that many high school students are going through the motions. By bearing down, students can fulfill all their hopes and dreams.



The three winners shown herefrom left: Arshad Mohammed, first; Christopher Lin, second; and Alice Wong, third. Congratulations to all. Thanks to Bryan Benton for organizing the event and to Ron Mazur for serving as emcee. Also, plaudits to the judges, timers and tellers.

St. Patrick's Day Celebration This Weekend!

Can you believe it is here already? It seems like it was just three months ago that Dennis Miller began signing us up for our beer-selling duties at Dublin's annual festival. These photos show that Dublin Rotarians know how to sell their beer! As of this writing, Dennis still needs more volunteers for Sunday. By the way, he is promising mid-70's weather all weekend.



Dublin Rotary's Major Events

There were many major Dublin Rotary events recently, but none more important than the induction of Gautam Tandon as a new member. Time was short this week, so we'll still have to learn about him in coming weeks. In the meantime, welcome to Dublin Rotary, Gautam! His new mentor, Larry Wotshizname, greets him with the traditional Dublin Rotary secret hug.



The DHS Student of the Month is Trisha Shah, who has major accomplishments at school this year and is capitalizing on her photography hobby to raise funds for the needy. Congratulations!

We welcomed Milan Tandon and his father, a Rotarian from India. His Highness presented our guest with a club banner. And Patty Pringle attended the President Elect Training Seminar (PETS) event last weekend. You will read all about it in the next Shamrock, but she presented the new Rotary 17-18 banner for all to see. Our Mayor was presented yet another Rotary pin by Dennis Miller, who encouraged hizzoner to wear it faithfully.



Speaking of the Mayor, last week he presented our own Rich Boschetti with the coveted Dublin Mayor's Award for 2017. In presenting the award at the Council meeting he reminded the audience how fabulous our Club President is and, although he is unable to make wine out of water, he can make rocking chairs out of wine barrels. He may not have uttered those exact words, due to time constraints, but it is not fake news to report that is probably what he was thinking.



DUBLIN ROTARY MEMBERSHIP

*Ackley, Dennis '97•	Sheet Metal	*Kyle Michael E. '75•	Attorney
Anyosa, John '14	Advocate	*Leuchi, Jeff '96•	Printing
*Bennett, Rich '95•	Pension Consulting	Lewis, Luctrica '16	Education
Benton, Bryan '13•	Restaurant	Manuchehri, Parvin '11•	Financial Planning
Biddle, Don '05•	Retired	Marty, Shamekka '16	Life Coach
Boschetti, Rich '12•	Barrel-busting	*Mazur, Ron '85•	Real Estate
Brown, Alan '13	Business & Security	*Miller, Dennis J. '79•	Chiropractor
Brown, Tinarsha '16	Realtor	*Moy, William '89•	CPA
*Carvacho, Bo '08•	Sports	*Price, Don '09•	Recreation Vehicles
Ceizler, Harold '69•	Dentist	Pringle, Patty '13	Tax Advisor
*Damaser, Larry '09•	Insurance	Raney, Ed '96•	CPA
*Delaporte, Tim '09•	Financial	Rouse, Megan '14	Financial Planning
Della, Kamal '11•	Real Estate Investments	Ruhullah, Yusuf '14•	Medical
Denlinger, Lee '04•	Educator	*Shurson, Stacey '90•	Insurance Broker
*Dunlop, Mona '94•	Travel	Smith, Linda '12	Economic Development
Fisher, Gary '16	Retired	Stanford, Athena '06	Sales Manager
Grier, Kevin '16	Education	Strah, Melissa '13	Dental
Hanke, Steve '12•	Education	Sullivan, Don '84•	Retired
Haubert, David '13	City Council Member	Tan, Larry '16	Insurance
Herbstman, Cliff '68•	Telephone Wizard	*Thalblum, Janine '09•	Insurances
Herrera, Beverly '15	Realtor	*Tucknott, Bob '73•	Electrical Contractor
Hodsdon, Daniel '16	Family Law	Watanabe, Jerry '72•	Orthodontist
Ichiuji, John '83•	Dentistry		
Jenkins, Stephany '11	Real Estate		
Johnson, Pamela '07•	Retired		
*Kinzel, Chris D. '87•	Traffic Engineer		
Kulick, MC '09•	Content Marketing		