

## **ELEMENTARY SCHOOLS**

### **Jill Beall ~ Soleado**

#### ***Discover a Magnetic Attraction to Art***

3<sup>rd</sup> – 5<sup>th</sup> graders will use Mindware Mosaic Magna Art kits, containing over 1000 magnetic tiles in every shape and color, for hands-on exploration of principles of math, engineering, magnetism and problem-solving.

### **Shannon Bogart ~ Lunada Bay**

#### ***Addressing Critical Literacy Skills in the Upper Elementary Grades***

This SRA Reading Laboratory will provide 2<sup>nd</sup> - 5<sup>th</sup> grade readers individualized reading instruction at different levels, encompassing phonics, decodable text, fluency, comprehension, vocabulary, test preparation and literature, in support of the Common Core Standards.

### **Shannon Bogart ~ Lunada Bay**

#### ***5<sup>th</sup> Grade “Shakespeareance”***

The text of Shakespeare’s “*A Midsummer Night’s Dream*” will serve as the foundation for multifaceted learning experience, including in part theatrical improvisation and pantomime, exploration of Shakespeare’s characters through poetry and prose writing, creating a coat of arms and Elizabethan masks, as well as planning and conducting a mini Shakespeare festival.

### **Elisa Buda ~ Point Vicente**

#### ***Step into the 21<sup>st</sup> Century with Biological Compound Microscopes***

Through the use of new compound microscopes, 5<sup>th</sup> grade students will be able to look at an array of objects on a cellular level, making predictions, asking scientific questions, forming hypotheses and drawing conclusions, all in support of the Life Science Standards.

### **Kathy Burson ~ Soleado**

#### ***“We Both Read” Books that Motivate Beginning Readers***

1<sup>st</sup> grade students and their 5<sup>th</sup> grade Reading Buddies will enjoy using these specially designed readers, which incorporate a more sophisticated text and vocabulary on the left side, while the right side is written at a specific earlier reading level, allowing both to take turns reading together.

### **Kathryn Chin ~ Point Vicente**

#### ***21<sup>st</sup> Century Learning Through Elementary Art***

An art lesson a week will keep 3<sup>rd</sup> grade students engaged, as they analyze contemporary artists such as Miro, Warhol, Magritte and Kandinsky (and the Cave Paintings at Lascaux), by reading children’s art books, creating their own pieces, and collaborating with classmates.

### **Carolyn Christensen ~ Valmonte**

#### ***Backpack Science***

Twelve age-appropriate science supply backpacks, including sample lesson plans, will be made available for teachers to check out, focusing on themed science exploration by Transitional Kindergarten students throughout the district. Themes include Insects, Life Cycles, Seasons and Weather, The Human Body/Five Senses, Measurement/Object Weight and Size, Density, Motion, Magnets, Earth Science and more, promoting inquiry-based science at the earliest level.

### **Mariana Donahoe ~ Soleado**

#### ***Published Authors!***

A yearlong collaborative effort between 1<sup>st</sup> graders and their 5<sup>th</sup> grade Reading Buddies ‘editors’ will culminate in a professionally published book of illustrated short stories and narratives for each participant.

**Amy Eastman ~ Montemalaga**

***Common Core Non-Fiction Library***

The goal of providing 5<sup>th</sup> grade students with more options in the classroom for reading and researching using non-fiction will be met with this leveled group of 30 different titles, providing an expository library for all learners.

**Bryan Godbold ~ Mira Catalina**

***5<sup>th</sup> Grade Field Trip to “Bodies: The Exhibit”***

An off-site field trip to experience “*Bodies: The Exhibit*” will allow a more in depth look at the systems of the human body, enforcing the Life Science curriculum requirements of Circulatory, Respiratory and Digestive systems for 5<sup>th</sup> grade Life Science.

**Valaree Ingrassia ~ Vista Grande**

***“Story Works” in Action***

This classroom set of 40 Scholastic “Story Works” publications will enhance the learning experience for 4<sup>th</sup> graders, through new varied fiction and non-fiction texts. Students will be challenged to synthesize, analyze and build their own persuasive arguments via writing skills and oral debate.

**Pamela Mullooney ~ Dapplegray**

***Phonemic Awareness – The Foundation of Literacy***

K – 2<sup>nd</sup> grade students will benefit from the implementation of this Essential Skills software program in the technology lab, providing simplicity and consistency of instruction while enhancing the lessons taught by classroom teachers during weekly computer time.

**Anita Oudega ~ Silver Spur**

***Flipping My Classroom through Screencasting***

Classroom instructional time can be used more effectively if 4<sup>th</sup> grade students have the ability to preview materials at home, and master simple, basic concepts ahead of time. Classroom time will be used to expand that information to higher level activities. Video tutorials will be created by the teacher, utilizing the Screencast-o-matic online program.

**Alex Sams ~ Rancho Vista**

***bookPress***

The bookPress app allows the creation of a book, from adding text, setting pages and sharing with fellow 4<sup>th</sup> grade classroom authors, to voting for best published work. In addition to having their work published on the site to share with others, each student will take home a hardcover copy of their work.

**Suzanne Wildey ~ Cornerstone**

***21<sup>st</sup> Century Writing***

This Common Core Writing Workshop curriculum bundle will allow K – 5<sup>th</sup> graders to explore their hopes and dreams on an ongoing basis, through writing methods geared ‘just right’ for each developmental stage.

## **INTERMEDIATE SCHOOLS**

**Jesse Allen ~ RIS**

***The Kind Campaign – Finding Kind***

In some cases, competition and jealousy have gotten in the way of functional friendships between students, specifically girl on girl bullying. A screening of the Pepperdine University-produced documentary “*Finding Kind*” will be screened for 8<sup>th</sup> grade girls, allowing these students to reflect on instances of bullying they have experienced or been associated with. With the opportunity to write and deliver apologies to friends or others they may have been unkind to, the idea of simple kindness will be reintroduced.

**Robyn Benjamin ~ PVIS*****Force and Motion***

8<sup>th</sup> grade science students will investigate force, acceleration, mass and friction, as well as Newton's Laws of Motion using this classroom kit of labs. A real world component relating force and motion to vehicle safety will give students the opportunity to make recommendations for reducing the risks of vehicle collisions based on their findings.

**Sue Demerjian ~ PVIS*****News Room Equipment***

The addition of a professional camcorder and lavalier microphones will enhance the news programming produced by the broadcast journalism class, allowing more professional episodes to air every 2-3 weeks.

**Scott Garman ~ PVIS*****Quadrotor Project***

The hands on building and programming of these two different types of quadcopters will be used to enhance 6<sup>th</sup> – 8<sup>th</sup> graders science and STEM curriculum, while participating in a US Air Force lead project. 6<sup>th</sup> grade will use them in weather and mapping units, 7<sup>th</sup> grade STEM will be responsible for writing the flight system and sensor programming, and 8<sup>th</sup> grade STEM will actually build the units.

**Scott Garman ~ PVIS*****Science Experiment Tanks***

Along with a custom-built Plexiglas tank, this replacement 12L Flat Bottom Boiling Flask will be used to conduct experiments and demonstrations. Labs about density, buoyancy, mountain isostasy, topography, air mass and weather fronts are sure to engage 6<sup>th</sup> and 8<sup>th</sup> grade science and 8<sup>th</sup> grade STEM students.

**Eric Hendrickson ~ RIS*****SMART XE Interactive Response System (clickers)***

These handheld keyboard-style remotes linked to SMART Notebook software already in use allows instant and accurate confidential feedback to students responding to teacher questions, while allowing the teacher to adjust their teaching on the fly, seeing where additional reinforcement might be needed.

**Campbell Nimick ~ MIS*****Easy as Pi: Learning to Code with Raspberry Pi***

6<sup>th</sup> – 8<sup>th</sup> grade students will learn how to write code and become comfortable with the basics of computing using the Raspberry Pi credit-card sized computer.

**Campbell Nimick ~ MIS*****Go Pro Robotics and ROV camera***

The GoPro Black is a wifi operated camera that will allow 6<sup>th</sup> – 8<sup>th</sup> graders detail their experiments with quality HD video, including slow motion movement during experiments.

**Scot Oschman ~ RIS*****10 Liter Liquid Nitrogen Dewar (Vacuum Flask)***

All students will enhance their understanding of gas laws, such as pressure-volume, gas expansion and pressure-temperature, by viewing demonstrations of key science concepts, utilizing liquid nitrogen.

**Scot Oschman ~ RIS*****Tremor Table Earthquake Simulator***

This programmable shaking table will provide 6<sup>th</sup> graders the opportunity to study effects of seismic wave action on model towers, roads, bridges and other structures, focusing on quake resistance, structural forces and earthquake engineering.

**Alison Seymour ~ RIS*****Exploring Flowers – Inside and Out***

Microscope slide sets of pollen and a 3D oversized model of flower/fruit will be used to enhance the 7<sup>th</sup> grade Science Standard Performance Expectation of understanding and explaining organism growth and development.

## **HIGH SCHOOLS**

**Maureen Kealey ~ PVPHS**

### ***Exciting Electrons***

High school chemistry students will have hands on experience with electrons, first proving that electrons have mass and then exploring more in depth to understand energy absorption and the electromagnetic spectrum.

**Ashley Maxwell ~ PVPHS**

### ***“Can We Hear You?” – Headsets with Microphones for World Language***

World Language students will use these headsets to gain access to more authentic listening and speaking experiences.

**Stephanie Peppermuller ~ PVPHS**

### ***Connecting the Classroom to Nature – a Dissection Lab Series***

Dissection labs of marine worms, clams, squid, starfish, crayfish and perch will connect diversity within species to differential survival within a group of organisms. Students will also examine the progression of forms from simple invertebrates to vertebrates, and the evolutionary implications of adaptations observed.

**Joe Pinkelman ~ PVHS**

### ***Molds for Ceramics***

These durable plastic molds will be used to expand the creative process for students in ceramics classes, encouraging hand building as an option to using the potter’s wheel.

**Rob Snodgrass ~ PVPHS**

### ***Atom Building Board Games***

Colored marbles represent protons, neutrons and electrons in this clever 3D atom-building tool, giving 10<sup>th</sup> graders the tools necessary to really understand the complexities of electron structure.

**Fred Steiner ~ PVPHS**

### ***Music Composition and Arranging***

9<sup>th</sup> – 12<sup>th</sup> grade music students will benefit from the software program *Sibelius 7*, which allows the choir teacher, band teacher and orchestra director to create professional quality sheet music for performance ensembles.

**Jacqueline A. Valerio ~ PVPHS**

### ***Contemporary Culture for World Languages***

Funds will be used to renew annual subscriptions to two bi-monthly audio magazines - *Bien-dire* is for French language and *Punto y Coma* focuses on Spanish language, with the audio component demonstrating differences in dialect.