**FRANKLIN ELEMENTARY**

**Learning Outside the iPad**

***Kandy Faris, Kelli McClain, & Felipe Barragan***

Kandy Faris, Kelli McClain, and Felipe Barragan were awarded $1750 for a grant entitled, Learning Outside the iPad. The grant will be used to purchase Osmo games such as Genius Kits and Coding Jam Games. These games feature apps that incorporate drawing, literacy, physics puzzles, spatial reasoning, coding, and more. Each one offers an “augmented reality” experience in which the iPad app brings real-world accessories to life. These games can be tiered to fit a wide range of student needs, from those who are learning English or beginning sounds, to those who are very advanced and expanding their vocabulary. Therefore, the use of these games will support and encourage students with differing backgrounds and abilities.

**HILLSBORO ELEMENTARY**

**Full STEAM Ahead!**

***Margie Jan Briggs, Leann Catillio, Cindy Markwardt, & Cassandra Sexton***

Margie Jan Briggs, Leann Catillio, Cindy Markwardt, and Cassandra Sexton were awarded $1725.54 for a grant entitled, Full STEAM Ahead! This grant is for supplies for STEAM (science, technology, engineering, art, and math) activities for second graders. STEAM is an integrated format that allows students to collaborate to engineer solutions to problems presented to them and meet challenges set by the teacher. Students will learn to analyze a problem and work together with their peers in order to come up with the best solution. Students will then use higher order thinking to implement their ideas.

**Along Came a Spider**

***Margie Jan Briggs***

Margie Jan Briggs was awarded $820.58 for a grant entitled, Along Came a Spider. Along Came a Spider is the first part of a three-part grant series centering around the installation of a learning garden at Hillsboro Elementary. The first part, which this grant will fund, is for supplies and technology for students to design the garden and choose plants based on their adaptations which facilitate learning goals. Part two will be the installation of the garden and part three will be tools to aid in maximizing learning in the garden.

**Do the Hokki Pokey**

***Jan Cole***

Jan Cole was awarded $700.95 for a grant entitled, Do the Hokki Pokey. This grant will allow for the purchase of five Hokki Stools and six Scoop Rocker Chairs which are designed to help students who have trouble staying focused during class. These devices allow for some movement which helps children with learning disabilities increase their capacity to pay attention by simultaneously addressing their need for stimuli. Additional benefits include providing a safe, enjoyable, conducive learning environment and even an improvement in posture.

**Learning While You Wiggle and Wobble**

***Sherry Wakeland***

Sherry Wakefield was awarded $849.18 for a grant entitled, Learning While You Wiggle and Wobble. Included in this grant are four Wobble Chairs, four Jellyfish Chairs, and four Balance Disks. These devices will allow students to have seating options which help them to concentrate on learning by reducing fidgeting and distractions, or being uncomfortable. Balance and safety will be promoted while providing a positive teaching and learning environment.

**Sail the C’s with Cubelets: Compare, Contrast, Create, and Code**

***Christine Robinson***

Christine Robinson was awarded $900 for a grant entitled, Sail the C’s with Cubelets: Compare, Contrast, Create, and Code. This grant will allow for the purchase of a set of Cubelets Robots designed to magnetically link together and perform different functions. They are Bluetooth programmable to connect to an iPad, extending students learning potential, creativity, and opportunities. Robotics will help prepare students prepare for their future by providing technology integrated skills attained through critical thinking and collaboration.

**Learning with Osmo**

***Taylor Sanders***

Taylor Sanders was awarded $672.00 for a grant entitled, Learning with Osmo. This grant provides for the purchase of two Osmo Explorer Kits, two Hot Wheel Mind Racer Games, two Coding Jam Games, and two Number Games. These games will promote higher level thinking skills across all ability gradients. Reading, literacy, and vocabulary, math skills, and ultimately test scores will be improved. A strong number sense foundation will be achieved which is necessary for academic and future career success.

**Creating Gems Through STEM**

***Cristal Compean & Lindsey Higgins***

Cristal Compean and Lindsey Higgins were awarded $1624.00 for a grant entitled, Creating Gems Through STEM. This grant provides for a variety of STEM related items such as microscopes, blueprint, engineering and design modules, and robotics. Use of these items will foster collaboration, communication, critical thinking, and creativity. Students will be engaged and enriched as they deepen their knowledge in science, technology, and math. The goal will be to help create and develop 21st century innovators, problem solvers, and inventors who are self-reliant and able to think logically.

**HILLSBORO INTERMEDIATE**

**Get Your Game On!**

***Stephanie Stephens***

Stephanie Stephens was awarded $568.40 for a grant entitled, Get your Game On! This grant will provide for the purchase of a Sum Swamp Game, 24 Game, Money Bags Game, and various other games designed to promote a positive experience while learning math skills and facts. Spatial awareness will also be fostered along with grasping of new concepts, social skills, and the opportunity to gain a different perspective. Students tend to be more attentive and actively engaged in learning when games are incorporated.

**Recycling: It’s Not a Waste of Time**

***Brittany Hamilton, Kellie Mathis, & Ashley Johnson Tucker***

Brittany Hamilton, Kellie Mathis, and Ashley Johnson Tucker were awarded $977.46 for a grant entitled, Recycling: It’s Not a Waste of Time. This grant will provide for the purchase of five Brute Rollout Recycling Trash Containers with Lids, 50 large blue recycling containers, ten Volunteer Activity Vests, and a Sunbeam Easy Read Dial Scale. These items will be utilized on the campus and in interactive activities within the community to provide education about the need to recycle and compost. Students will be provided a hands-on learning environment to practice environmental stewardship and good citizenship through recycling and composting. Raising student awareness of environmental repercussions of waste will help to create future leaders with an appreciation of the need for global change to restore and protect our planet.

**World Drumming—A Hands-On Cultural Experience!!!**

***Annie Bankes***

Annie Bankes was awarded $800 for a grant entitled, World Drumming—A Hands-On Cultural Experience!!! The grant will provide for the purchase of four drums: a Remo Tubano, a Remo Djembe, and Meini 11” and 12” Congas with stands. There is currently only one small African drum at the school. The addition of these drums will greatly enrich the school’s percussion program through culturally diversified experiences and understanding. Playing musical instruments during early education has been proven to change the structure and function of the parts of the brain responsible for memory and learning. Rhythm patterns in drumming help students in math and generate social skills as they learn to work and perform together. The nature of the lessons will also guide students toward a deeper and more meaningful appreciation and understanding of other cultures.

**HILLSBORO JUNIOR HIGH**

**Headsets for Hillsboro**

***Hannah Kellar & Glenn Doyle***

Hannah Kellar and Glenn Doyle were awarded $766.00 for a grant entitled, Headsets for Hillsboro. The grant will provide for the purchase of three Telex Headsets. Headsets permit communication with the stage manager and sound and lighting operators. This is critical to running a full production and greatly improves the quality of events. This type of technology is now the norm across the country for many theatre and performance jobs. Though the use of the headsets, students will acquire habits of: problem solving, critical thinking, creative thinking, integration of multiple skill sets, collaboration, teamwork, and self- confidence.

**Brain Building Science Breakouts**

***Crystal Buxkemper & Tammy Fry***

Crystal Buxkemper and Tammy Fry were awarded $1750.00 for a grant entitled, Brain Building Science Breakouts. This grant will provide for the purchase of 13 Breakout EDU kits with Platform Access. Breakout EDUs will be used to introduce a new lesson or concept, to reinforce and strengthen learning, or at the end of a unit to bring closure to a lesson. Skills and concepts learned will be reinforced in a fun way. Breakout EDU’s versatile kit will provide the basic materials necessary to present puzzles for students to decipher, each clue leading to another, and ultimately to the locked strongbox or answer.

**SGM MindWing for HJH EagleWings**

***Laura Moulder, Janissa Ivy, & SPED Department***

Laura Moulder, Janissa Ivy, and the SPED Department were awarded $1099.95 for a grant entitled, SGM MindWing for HJH EagleWings. This grant will provide for the purchase of a MindWing Ultimate Collection learning system. This system’s Story Grammar Marker and other tools will help children serviced through special education in areas of language and literacy development. Visual and kinesthetic cues included in stories will foster skills in science and social studies through description, listening, sequencing, cause and effect, problem solution, compare and contrast, and persuasion.

**Photo/Film Say Cheese!**

***Katherine Polley***

Katherine Polley was awarded $745 for a grant entitled, Photo/Film Say Cheese! The grant will provide for the purchase of five Canon PowerShot Elph Digital cameras to give students the capability to complete projects for the new photo/film class. Work will be accomplished on the yearbook, digital design projects, audio/visual units, and contest entries while building technology and collaborative skills. Multiples cameras will allow utilization in more than one location at a time, thereby increasing learning time.

**Eagle Bots: The Next Phase**

***Tammy Fry & Sara Massey***

Tammy Fry and Sara Massey were awarded $1162.88 for a grant entitled, Eaglebots: The Next Phase. The grant will provide for the purchase of four Dell Chromebooks and licensing consoles which will facilitate expansion of robotics programming capabilities that are currently restricted by the use of iPads. Students will be provided hands on learning and ownership in tasks they are performing. STEM-science, technology, engineering, and mathematics are keys to their future success.

**Learning and Moving**

***Laura Moulder***

Laura Moulder was awarded $860.00 for a grant entitled, Learning and Moving. The grant provides for the purchase of two Ethos Chairs with storage bases and tablets. Research has shown struggling learners will benefit from movement, which helps with focus and concentration. The student workstations will allow movement while providing flexibility in seating options. The workstations will provide students with individual space for their belongings and the ability to work independently. Cooperative and collaborative skills will also be enhanced by working together to determine schedules for seating options.

**Keeping In Tune With the Beat**

***Glenn Doyle and Rick Kleine***

Glenn Doyle and Rick Kleine were awarded $1116.99 for a grant entitled, Keeping In Tune With the Beat. The Digimet 3 Metronome and Gator Frameworks to be purchased with this grant will allow utilization by all students simultaneously, thereby increasing learning time. Improvements will be expected in sight reading and understanding the importance of steady tempo and pitch. These skills are essential for individual growth as well as improvements in UIL competition. The digitalized system will also promote engagement and collaboration of students, allowing them the opportunity to be exceptional musicians, benefits that can last a lifetime.

**HILLSBORO HIGH SCHOOL**

**“Lettuce” Learn with Hydroponics Gardening**

 ***Jennifer Kolar***

Jennifer Kolar was awarded $807.32 for a grant entitled,
“Lettuce” Learn with Hydroponics Gardening. This grant will allow for the purchase of a Grow Wall hydroponics kit to be used in the Agriculture Education classroom, specifically with the Plant & Soil Science classes. The kit includes reservoirs, lights, seeds, inert medium, and a pH management system. One way of embracing the future of agriculture and meeting the needs of a growing population is by the use of hydroponics. Hydroponics allows growing of plants without the use of soil. Hydroponics also facilitates the use of habitats that would not usually sustain plant growth. Students will learn self-sustainability and explore career tracks in various plant growth pathways.

**Earth and the Final Frontier**

***Vicki Dobbs***

Vicki Dobbs was awarded $750.00 for a grant entitled, Earth and the Final Frontier. This grant will allow for the purchase of a Deluxe Solar System Model, Rock Specimens, and Rock Testing Chips. These hands-on materials will help students understand the complicated natural processes of Earth and how objects in Space have impacted the Earth’s formation. Models will help communicate the abstract concepts of Earth and Space Science by denoting sizes, densities, and objects within the universe. Students’ understanding of the vastness of space will be advanced. Models will also help to increase interest, stimulate critical thinking skills, and collaboration.

**From the Stone Age to the 21st Century: Math That Matters**

***Molly Hale, Melisa Springfield, Dana Marshall, Blanca Campos - High School***

Molly hale, Melisa Springfield, Dana Marshall, and Blanca Campos were awarded $1362.50 for a grant entitled, From the Stone Age to the 21st Century: Math That Matters. The purchase of 21st Century Math Projects made possible by this grant will provide math projects and activities that engage students through a variety of topics, while simultaneously maintaining a high level of rigor. This curriculum will help to enhance student learning by actively engaging students in projects in which they are interested. The projects will provide quality instruction to students by presenting material in new and exciting ways; engaging students while supporting achievement and continued growth.

**All Creatures Great and Small**

***Jennifer Faulknor***

Jennifer Faulknor was awarded $745 for a grant entitled, All Creatures Great and Small. This grant will allow for the purchase of a complete collection of plant and animal display specimens consisting of 168 organisms. The goal of this project will be to increase student engagement, creativity, critical thinking, collaboration, and increase academic performance. Students will learn to classify organisms and compare taxonomy groups. Natural selection and species diversity will be explored, as well as energy flow in food chains & webs, and adaptations of organisms and their interactions.

**Eagles of the Round Table**

***Michael Chirhart***

Michael Chirhart was awarded $900 for a grant entitled, Eagles of the Round Table. The grant will provide for the purchase of four Lifetime Activity Tables and 14 Task Chairs with Tractor Seats. Current seating in the secondary science class does not meet minimum orthopedic physiological requirements. Ergonomic seating and desk arrangement have been proven to promote increased blood circulation, less rounding of the back, and reduced spinal cord pressure and fatigue. Improvements in attention, concentration, memory, and higher achievement levels will be realized when desk and chair suitability is optimized. Flexible seating options will also foster increase engagement and motivation in students.

**HILLSBORO HIGH SCHOOL & JUNIOR HIGH**

**Blurred Reality**

***Lynelle Sparks & Tayler Sullivan***

Lynelle sparks and Tayler Sullivan were awarded $1750.00 for a grant entitled, Blurred Reality. Through the creation of a video utilizing student-actors, this grant will provide an interactive, behind-the-wheel educational experience in which the dangers and pitfalls of drinking, texting, sleep deprivation, and drug use will be realized. Real and personal actions of the driver will be made painfully clear. Many lives have been maimed, impaired, or lost due to the tragic consequences of these types of actions. Past results of videos have been very impactful across the county and incorporate disciplines such as English, communications, photo journalism, health and law enforcement, math, and physics. This grant will also provide for the ongoing maintenance of equipment used in creating the video.