

Innovations Academy

An Inquiry Based K-8 Public Charter School

Community Outreach & Exhibition Night

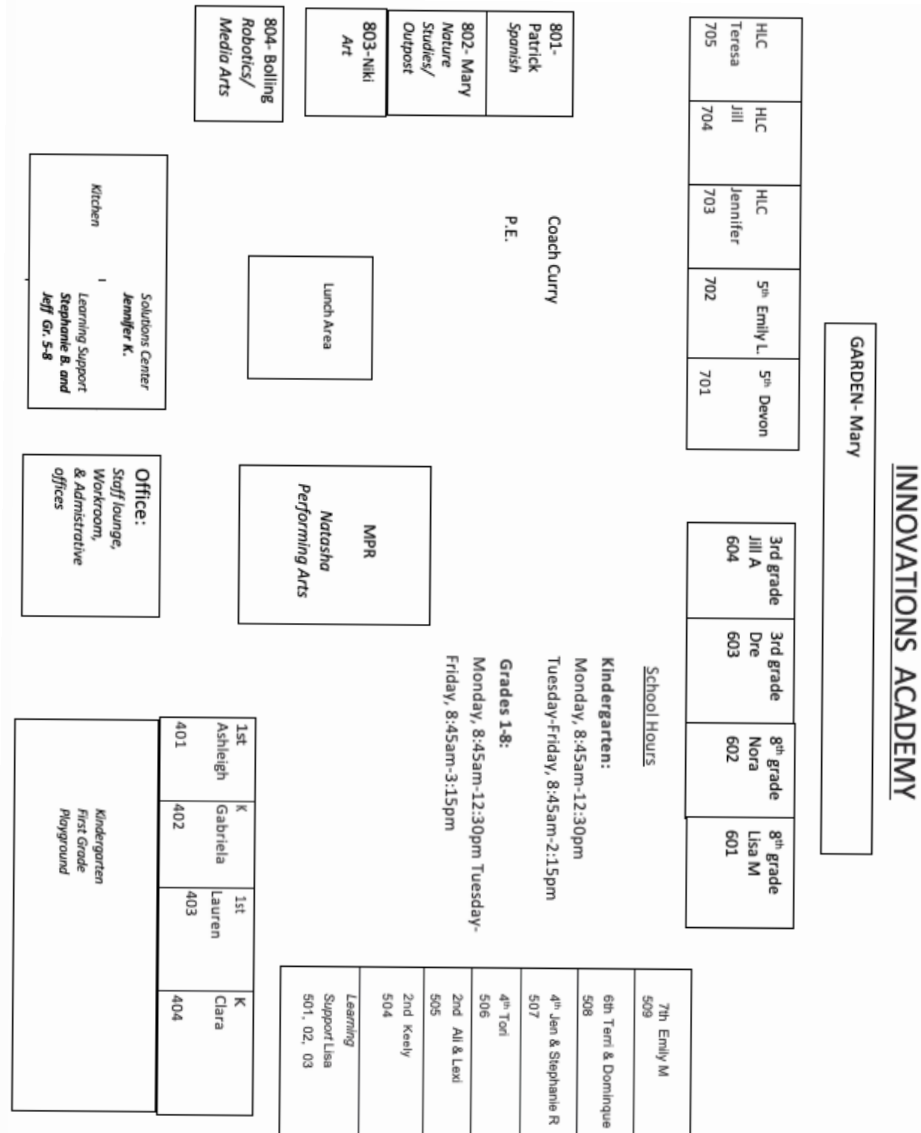
March 21, 2019

5:00-7:30 p.m.

Welcome!

We truly appreciate your presence. Be sure to do the following before leaving tonight:

- See the campus map on the last page to guide you.
- Visit at least three classrooms.
- Ask students questions about their work.
- Visit the Garden/Nature Studies class out back.



Guest Experts: December - March

Alex Tardy, NOAA: Weather Concepts
 Alexa Wilde, Soccer player
 Azlynn Hare, Landscape Architect
 Becky Harbough, German Culture
 Claire Marie Mallory, Gold Rush Storyteller
 Corinne Maksymicz, Assistant Civil Engineer
 Dan Farrella, Anthropology
 David Inglis, Gears & Simple Machines
 Dr. Eric Jackman DVM, Veterinarian, Orthopedics
 Ellen Stone, Tiny Home Expert
 Haley Thiltgen, Weather in San Francisco
 Jeff King, Fitness Quest 10 Director
 Kat Berling, Speaker on the Philippines
 Kristine Seefeldt, Taiwan Culture
 Kylise Hare, Shape of Enrichment: Animal Welfare
 Loretta Ellsworth, Author
 Louis Goldstein, Speaker on Turkey
 Mansoor Ahmadi, Speaker on Afghanistan

Mark Mozaffarian, Speaker on Iran
 Mark Webb, Engineering Manager
 Megan Parry, Channel 10 Local News Meteorologist
 Natalie Robichaux, UCSD MFA Acting
 Niki Krusse, Speaker on Spain
 Paris Davis, Physics as applied to art
 Rachel Filtz, Animal Empathy: Butterflies
 Red Reagan, Architect
 Rudy Rodriguez, Electrical Design Project Manager
 Shari Lyon, Author
 Spencer Crawford, Weather in Spain
 UCSD Neuro Outreach Department
 Walter Ritter, Professional Kamishibai Storyteller
 Sandy Renfro, Speech Language Pathologist
 Sue Ella, Freedom Writer
 Tina Adams Carter, Published Author

Field Studies: December - March

Calavera Volcano, Carlsbad
 Carlsbad Flower Fields
 Classics 4Kids
 Fleet Museum
 FUNbelievable
 Helen Woodward Animal Shelter
 Home Depot
 IKEA - Dream Home Research
 Knott's - Energy in Motion
 Lake Hodges
 Legoland
 Miner's Gems Old Town
 Mission Bay
 Mission San Diego de Alcala

Mission San Juan Capistrano
 Museum of Man
 NOAA/National Weather Station
 O'Brien Bakery Tour
 Riley's Farm
 San Diego Museum of Art
 Scripps Ranch Fire Department
 Scripps Ranch Library
 SD Museum of Art
 SET & High School Tour
 Vet Clinic
 Vons
 Water Conservation Garden

Performing Arts (Natasha) MPR

This semester, in addition to rehearsing for the original murder mystery, *The Curious Case of the Murders at Marston Manor*, grades K-2 have been working on curriculum-based musicals as well as learning theater technique through various improv and games. Seventh grade is learning about medieval history through classic works such as Shakespeare's *Henry V* and George Bernard Shaw's *St. Joan* while eighth grade has been working on various projects related to survival and The Big History Project. The original murder mystery performance will take place May 2nd, 3rd, and 4th. Hope to see you there!



Robotics & Media Arts (Bolling) Room 804

Third, fourth and fifth grade classes have been learning various levels of C programming language in robotics. During exhibition, robots will be available for students to show their loved ones what they have learned. Third graders are working on maneuvering robots and have built attachments. Fourth and Fifth grade classes are preparing for a

S u m o B o t competition; come see their plans! Wood working collaborations: third-fifth graders have designed and created boxes or picture frames. Final or in-progress projects will be on display along with their design process. Sixth-eighth graders chose individual projects around campus to refurbish. Projects include renovating the chicken coop and restoring picnic tables.



Nature Studies (Mary)
Room 802

Students in grades K-2 have been exploring mammals this month. Sixth grade students have been investigating biodiversity and ecosystems. Come after 6pm to meet an ambassador mammal and have your child tell you all about it and how it relates to what we've been learning!



P.E. (Coach Curry)



In P.E. at Innovations Academy we believe that physical education is about learning skills that will contribute to one's knowledge and ability to play a variety of sports. We have focused on soccer, tennis (and other racquet sports) as well as various playground games. The second half of the year brings our spring sports package, which will include disc golf, track

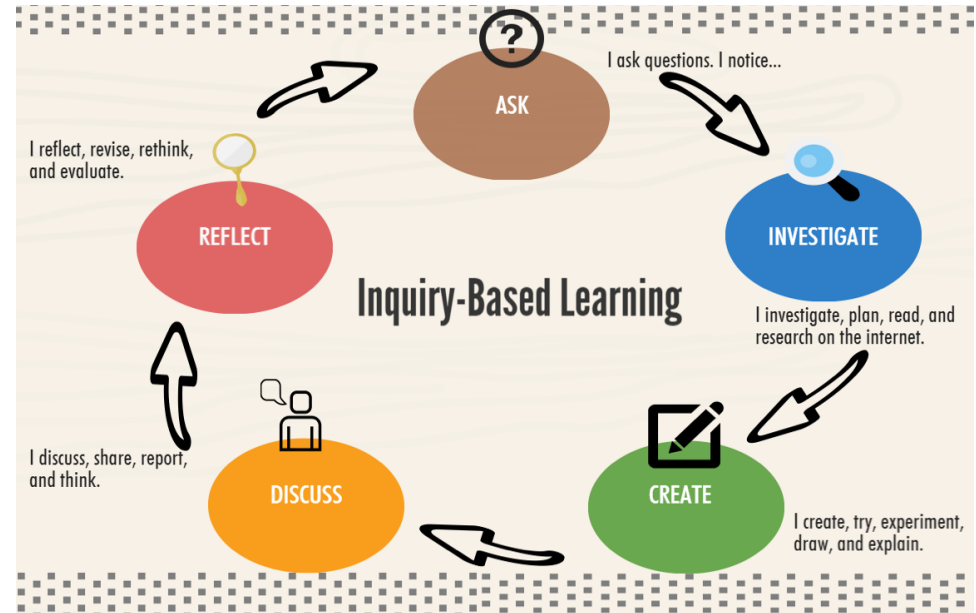
and field, baseball, softball, pillow polo. Join us this evening as we showcase many of the skills we have learned so far!

Spanish (Patrick)
Room 801



The sixth graders are in the process of creating two live shadow puppet performances. Come and see the scenes they have completed. The seventh and eighth graders' videos "Amig@s en un restaurante" will be on display for all to appreciate their amazing progress in Spanish dialogue. Come and enjoy their work!

What is Inquiry-Based Learning?



Learning through inquiry is the process of asking questions and seeking answers. This is the natural learning process which starts in infancy and continues throughout life. Inquiry learning within a school leverages what is natural to all humans. Through the process of inquiry, students and teachers together construct understandings in response to the questions that arise in their studies. Inquiry is not so much seeking the right answer—because often there is none or there are many—but rather seeking appropriate resolutions to questions and issues. For educators, inquiry also implies emphasis on the development of inquiry skills and the nurturing of inquiring attitudes or habits of mind that will enable individuals to continue the quest for knowledge throughout life. Inquiry is multi-disciplinary and cross curricular. It can look like a project or a brief exploration. It always involves reflection and evaluation and drives so much of what we do here. Look for the inquiry in the learning you will see tonight.

Wisdom begins in wonder.

-Socrates

Come See These Scheduled Presentations Tonight!

- 1st (Ashleigh) Each half hour, 3-4 students will be performing their Kamishibai stories. Each will be about 5 minutes
- 1st (Lauren) Each half hour, three students will be giving their Japanese Kamishibai stories and presentations
- 7th (Emily) The following live student-authored "Choose Your Own Adventure" story readings will take place: Aztecs & Japan - 5:45-6:00, West Africa & China - 6:00-6:30.
- 8th (Nora) Presentations of "What Do You Know? Who Do You Ask?" short films will screen at 5:30, 6:15 and 7:00 in the MPR
- Spanish (Patrick) 6th grade will perform "Cailliou por el mundo" at 6:00pm and "Dora por el mundo" at 6:30pm



Extending and Enriching Self-Expression at Innovations Academy

Art (Niki) Room 803

Stop by the Art Room to see where magic takes place! Check out in-progress and finished work by our 3rd-5th grade artists. Third graders have been weaving, fourth grade is working with wire and plaster and fifth grade is

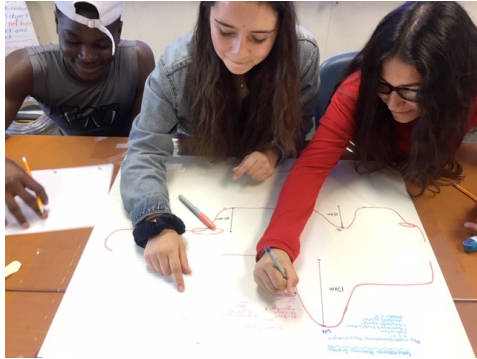


making paper sculptures. The pastel work of the Monday drawing classes will be displayed as well. I look forward to seeing you and your children in the art room!



Eighth Grade (Nora) MPR

Calling all engineers! We need roller coasters! Physics is everywhere and can be applied to just about anything that happens in our everyday lives, both literally and figuratively. One of the many ways in which we enjoy physics, is at theme parks when we ride a thrilling roller coaster! The latest theme park just opened, and it needs a team of qualified engineers to create stunning new rides to be enjoyed by all. Our team of engineers explored physics concepts, experimented with hands-on activities, conducted field studies at Knott's Berry Farm, and then applied their knowledge by engineering and designing blue prints as well as small scale roller coaster models. Come watch their pitches and enjoy the ride!



Eighth Grade (Lisa) Room 601



What started as a curious look at art in motion blossomed into an exciting exploration of the many facets of physics. Our artists travelled to Los Angeles to the Museum of Neon Art early on in the project to catch a glimpse of artwork centered around movement and light. This adventure sparked ideas for some

of our pieces of art. We spent the last few weeks learning about physics by researching and experimenting with hands-on activities, including bending light waves with sound, race car velocity and experiencing changes in motion and energy while riding roller coasters at Knott's Berry Farm. We look forward to your visit to our PhysArts gallery which includes the following: a unique waterwheel, pendulum waves, a marble maze, kaleidoscopes, a zeotrope, reflective art, multi-color shadow art, a roller coaster or two, shape shifting paper transformations, a ping pong ball catapult juggler, and a static electricity demonstration. Come and enjoy hands on experiments with light, sound and movement!



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Join Us

Saturday, April 13

10am – 2pm

Innovations Academy

\$2 Suggested Donation – Includes 1 Raffle Ticket
Military & Kids under 14 – FREE

Connect with us



Descriptions of Projects

Kindergarten (Gaby) Room 402



Our class has been observing changes in weather and we wondered why it changed so much. We started to investigate the types of weather that people experience during different seasons and we have been able to predict what the weather might be like

throughout the day, based on the patterns we have seen. Come in to see what our class has learned about weather and how it impacts us and our surroundings.



Kindergarten (Clara) Room 404

We Rock! Our class has shown an interest in the origin of rocks and their properties. We began doing research into different kinds of rocks and the distinct processes through which they are formed. We explored the three kinds of rocks: igneous, sedimentary and metamorphic and became interested in where these rocks appear in the world and how they are used. Come and explore the museum we created to help you gain more knowledge about various rocks and their unique properties and uses and be just as inspired as we are!



Sixth Grade (Terri & Dominique) Room 508

Sixth grade has been studying the ancient cultures of Greece, Rome, China, and India. While researching these civilizations, we discovered that many of them have monuments and symbols which have impacted our civilization. We have explored engineering and craftsman techniques, and used the knowledge we have gained to recreate these symbols and



monuments. Throughout this course of study, we have investigated the history and methods used by each of our cultures. We wore the hats of archaeologists, historians, architects, and engineers. While learning about how to build strong, stable structures, we also discovered that the building principles not only apply to our models, but to building a strong classroom community as well.

7th Grade (Emily) Room 509

The students of Room 509 began our adventure by reading *Mystery of the Maya: Choose Your Own Adventure #5*. We initiated our journey in search of a missing character together by voting between two plot options. This experience sparked an interest in becoming authors of our own *Choose Your Own Adventure* novels. Students became researchers, historians, and editors while drafting their own novels set in a Medieval Civilization of their choice. Come visit Room 509 for live readings as well as interactive experiences to fully understand the many steps in which students participated while becoming published authors.



**Fourth Grade (Jen & Steph)
Room 506**



Welcome to California! Students will be displaying their learning on the California Missions, including individual presentations on different aspects of life at the missions and how that relates to today. Students have also joined their math, geography, and social studies learning through board games based on a road trip through California! Prefer a quieter activity? Grab a cup of hot cocoa, find a comfy spot, and learn about a variety of topics through the students' nonfiction writing! This includes non-fiction books about topics that showcase students' expertise, and inquiry-based research papers.

**Fifth Grade (Emily & Devon)
Room 701 & 702**

Come visit the 5th grade and experience what it's like inside the brain of a fifth grader! We'll show you self-sustaining ecosystems that we researched and created, and you can taste our exploration of food preservation (pickled fruits and vegetables). See our exploration of life in the Colonies, as well as our book exploring self-regulation with reflections on



our communities' biggest struggles. You'll be able to get a hands on experience that is similar to what our 5th grade students explored in each subject area. Join us and learn about what it's like to be in the 5th grade at IA!

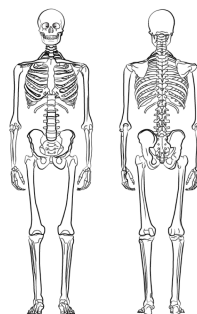


**First Grade (Lauren)
Room 403**

Our classroom is broken into four areas. In one area you will find Japanese Kamishibai stories and presentations with illustrated art based on Eric Carle stories. In another you will find bearded dragons, observational drawings, and clay representations. Butterfly short stories are up against the window to show the light coming through their wings. Finally, our plant exploration has resulted in some interesting conclusions. Come find out what plants have been growing in our classroom!



**First Grade (Ashleigh)
Room 401**



Come hear our Kamishibai stories! Students have been writing, editing, illustrating and practicing their fictional masterpieces.

Performances will take place at the top of each half hour. In science, we have been investigating the purpose and structure of human bones. Come and see some of our explorations around this topic!



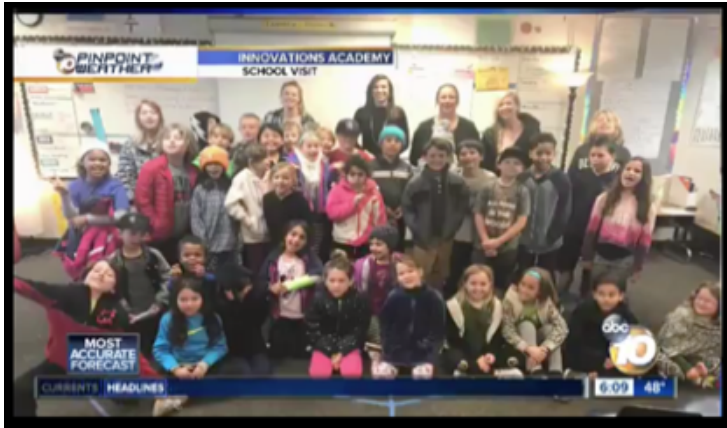
Second Grade (Ali, Keely & Lexi) Room 504 & 505

After realizing that our classes are made up of families from around the world, second graders wanted to dive in deeper and learn about these foreign places. With the help of our parents and our research skills, our students have learned about our world and more than 40 countries. Students then wanted



to communicate their knowledge with our visitors and decided upon writing a realistic fiction story to teach you about our countries. We worked with authors that specialize in realistic fiction to learn how to effectively communicate in this structure. Come in to see what we've learned!

Third Grade (Jill & Dre) Room 603 & 604



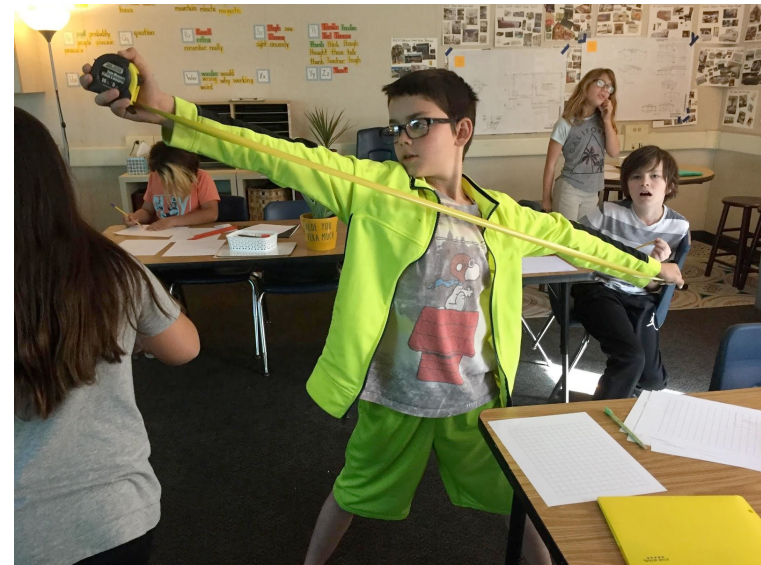
Have you ever wondered how best to protect your home from weather hazards? Students in the third grade class answered the question, "How can we design a home to lessen the impact of extreme weather

in a specific climate zone?" Our exploration began with tracking weather in San Diego over the month of February. Students used this data to explore the difference between weather and climate and then compared San Diego's climate to others around the world, looking specifically at humidity, precipitation, and wind speed. This experience informed how we can predict when it's going to storm, why some places are always hot, and where clouds

come from. We were eager to learn about other climates around the world! In pairs, students chose a climate zone to become an expert in: Desert, Temperate, Arctic, Subarctic, and Tropical. Next, we conducted research, formulated focus questions, created an infographic to share our expertise, and tested housing prototypes in a temperate climate zone. After designing our model drafts, receiving a housing budget, and buying supplies to build our homes, we received feedback from expert engineers. We then used this knowledge to build a model home to withstand weather hazards in specific climate zones.

Additionally, Dre's class investigated what makes a game a game. Students played a variety of games, analyzed the elements, and used this information to create a game manual of their own! Get ready to play! Students in Jill's class chose a topics that they are an experts wrote nonfiction books to pique their readers' interest and teach about their chosen topic.

Fourth Grade (Tori) Room 506



Calling all HGTV lovers! These creative 4th graders have quickly become passionate young architects and home designers. Come check our classroom to see the functional dream home that each student designed for

their families with a \$500,000 budget. As a challenge project, students also designed 204 square foot, fully functional tiny homes for a client, Ellen. If that isn't enough, we have also explored different house and building making materials throughout history and will be demonstrating an adobe brick making technique that we learned about on a field trip to a California Mission.