2015 CAL U
PLAN TO JOIN US FOR A SUMMER OF
Sand & Sea
AT CALIFORNIA UNIVERSITY OF PENNSYLVANIA
JUNE 22-26 • JULY 20-24
s.e.e.k.
SUMMER EDUCATIONAL ENRICHMENT FOR KIDS
CALU.EDU/SEEK
CALIFORNIA UNIVERSITY OF PENNSYLVANIA
**Program Details:**
Cal U's Summer Educational Enrichment for Kids (SEEK) is an academic enrichment program for school-aged children entering grades 1-8 in the fall of 2015. Students will participate in learning experiences that are entertaining, yet academically challenging. The 2015 SEEK program will run during the weeks of June 22-26 and July 20-24, 2015. Classes begin at 8:30 a.m. and end at 4 p.m. Participants are escorted between classes and supervised during lunch.

Children will need to bring a bag lunch (refrigeration is not available). SEEK staff will not dispense medication.

**Multi-Topic Classes:**
Children can participate in up to four classes per session. Half-day participation is also available (morning or afternoon). Class details by grade levels are available online: [www.calu.edu/seek](http://www.calu.edu/seek)

Children will be placed in the following groups based on grade levels:

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<th>June 22-26</th>
<th>July 20-24</th>
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<tr>
<td>Grades 1 and 2</td>
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**Registration:**
Please complete SEEK registration and payment online: [www.calu.edu/seek](http://www.calu.edu/seek)

Payment can be made by MasterCard, VISA or Discover.

**Fees and Refund Policy:**
The cost for the full-day program for one week is $135 per child. The half-day program (morning or afternoon for one week) is $90 per child. Registration is on a first come, first served basis. Class size is limited, so please register early. You must select a first and second class choice. Once registered, you will receive a confirmation letter that lists the classes selected for each child.

Withdrawal from the program must be in writing and received at least five working days prior to the start of the program in order to receive a full refund. No refunds will be issued for withdrawals received after June 15 for the session beginning June 22, 2015. No refunds will be issued for withdrawals received after July 13 for the session beginning July 20, 2015.
“Dive” Into Chess
Get into the game of chess in a way you’ve never imagined. After you learn the basics of chess, you’ll have the opportunity to “dive” into the game and actually become a pawn, rook, bishop, knight or even king/queen. YOU will actually be the game piece on a giant chess board as the game master calls out the moves!

“Under the Sea” Theatre
Combine dance, drama, visual art and writing with a whole lot of imagination, add a tropical flair and you’ve got a funky fun time even Arielle would enjoy! Participants create and develop a performance complete with song and dance numbers, simple costumes, scenery and more. The one-of-a-kind musical will be presented to SEEK family and friends at the end of the week!

Mermaids, Mermen and the Monogy-monster!
Crafts, stories, games and folklore about mermaids and mermen and a water creature a bit closer to home will be examined.

Physics Tricks
Experiment with the tricks that physics can play! Learn amazing tricks that seem like magic, but work according to the laws of physics. You’ll have fun impressing your family and friends, while you are simply obeying the laws of nature.

¡Vamos a la playa! Un estudio intensivo en español
A one-week immersive look at the Spanish language, Iberian Latin American and South American cultures. ¡Vamos a la playa! will combine play and music to further explore lo que es el español. Particular attention will be paid to coastal regions, beach vocabulary and Latin music and dancing.

Crashbox
Based on the popular HBO series! In this class you will take your turn at calculating crazy math, spotting errors, and playing fun and challenging memory, vocabulary and trivia games.

Sponge Art Recycled Pants
Do you like art? Do you like to recycle? Do you like to be super creative? Do you ever wonder how you could use household items to make art? If so, this class is for you. We’ll use recycled everything to make art including sponges, egg cartons, old ribbon/shoelaces, Pringles cans, cereal boxes and more. Come prepared to make some outrageously creative works of art which will be put on display for everyone to see and enjoy!

Pirates of the CalUbean
Set sail on an epic voyage with Captain Jack! Come on board for a high seas shindig! Have fun making and indulging in some edible crafts like pirate tattooed cookies. Team up to search for the hidden treasure chest. Make pirates’ eye patches and play games like Walk the Plank. Enjoy seaworthy challenges and prove you are a buccaneer worth your salt!
Frozen Oceans: Exploring the Poles
Even though they are both at the ends of the earth, the Arctic and the Antarctic differ in many ways. Which animals inhabit each of these regions? Why is the Antarctic colder than the Arctic? Why doesn't the sun set on an Arctic summer night? How have humans impacted the polar regions? We'll explore these questions and many more during our polar expeditions!

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Secret Agent Squad
Help to solve mysteries just like secret agents and detectives. Learn about ink, soil, fingerprint and handwriting analysis by experimenting with common household products. Learn how to collect and record evidence to solve crimes. Use your observation skills and help us to figure out “whodunit,” just like a forensic scientist.

The Living Skies: Introduction to Ornithology
Did you know that there are 418 different species of birds in Pennsylvania alone? That Pennsylvanian Ben Franklin once proposed to the U.S. Congress that the wild turkey become our national bird instead of the bald eagle? Taught by a professor of marine biology visiting us from Florida, this course will explain various biological concepts about birds, like how they are able to fly. Students will have hands-on experiences with bird skeletons and feathers. Students will learn how to identify birds in the field by sight and sound through guided birdwatching on the Cal U campus. Although emphasis will be on the bird species that occur in western Pennsylvania, the course also will cover some notable species from around the world, including ostriches, penguins and albatrosses.

“Dive” Into Chess
Get into the game of chess in a way you've never imagined. After you learn the basics of chess, you’ll have the opportunity to “dive” into the game and actually become a pawn, rook, bishop, knight or even king/queen. YOU will actually be the game piece on a giant chess board as the game master calls out the moves!

“X” Marks the Spot: Unlocking Secret Codes to Find Treasure
Enter the world of codes, ciphers and cryptograms. Encryptions have been around for millennia and are used on a daily basis in technology. Learn how to spot encryption and decrypt messages using spatial reasoning and problem solving. Put on your thinking tricorn hats and solve the mystery!
SEEK Shark Week
Let’s make some “jawsome” memories! Sharks and other sea life rely on each other to keep our oceans healthy. See what people are doing to save sharks and find out why we need sharks in our waters. But, “be careful what you fish for!” You just might find out that you “can’t handle the tooth!”

From Sea to Shining Sea
If you went from sea to shining sea…what would you see? What does that mean? Find out in this class. We’ll discover parks, wildlife, landmarks, bodies of water, and wildlife in all 50 states. You’ll be surprised how much there is to discover about our great country, the U.S.A.!

Sea Me Sew
Learn the art of hand sewing as we create an underwater-themed pillow. We’ll explore embroidery, cross-stitching and button attaching along with applique techniques.

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Beachcombers: Found Objects and Reclaimed Items
SEEK and you shall find and… create! The best of our popular “Recycled Art” classes come to you this summer with a fun, beachy twist. Explore 3D design as you imagine being on the shorelines of sunny California (the state!), the Carolinas, or even Costa Rica!

Water Pokémon
Combine strategy and imagination with this popular card game. Learn about the role of water as a key element and about the many fish and sea-dwelling creatures in the game. For beginners, learn the rules of the game and basics of creating a deck of cards. For the more advanced player, learn the strategy of play in attempting to become master of the game. No matter your skill level, use your wits to out-duel and win some fun battles!
**Introduction to Coastal Science**

Ever wonder how beaches are made? Why mangroves, seagrasses and coral reefs are so important? Using actual specimens like shark jaws and corals for hands-on experience, students will explore various aspects of coastal science, from the estuaries to the open ocean to the deep sea, including plankton, invertebrates, marine plants, corals, marine mammals and fish. Taught by a professor of marine biology visiting us from Florida, students also will learn about the ecology of the coastal environment, including how we all can work to protect it.

**SEEK Media**

Now that’s news! Become a camp reporter as you research current events, take pictures, interview students, instructors and staff, design comics, and inform us about the daily fun happening at camp. Create a blog, work on our SEEK website, and update our Facebook page. Help us to keep family and friends updated on all the SEEK excitement through social media and more.

**Sand Sculptures**

Remember how much fun it was to play in the sand box when you were little? Well, dig out your buckets and shovels for this super-sized event! Learn how to make sand sculptures to wow your friends and family on your next beach vacation! You will complete a life-sized sculpture as a small group and compete for SEEK Sand & Sea prizes.

**CSI: California**

Use your observation skills and help us to figure out “whodunit!” Enter the world of a forensic scientist as you explore a variety of CSI techniques to solve a crime. Listen to the evidence that has been collected, determine who the suspects are, and then learn how to analyze fingerprints, handwriting, ink, blood and soil. Can you solve the case?

**What's In a Name?**

That’s up to you when you make a statement in this fun class where the medium is Personalized Graffiti Art. Use bold, stylized lettering, bright colors, interesting textures, and found objects to create unique pop art pieces with an urban flair. Learn about collaging techniques as you create a one-of-a-kind piece of personalized art from reclaimed items.

**Best Dances for the Beach Party**

Have you ever tried to copy dance moves from a movie or TV show? Learn some famous movie and popular TV show dances for an unforgettable time at your next social event. Review movie and TV show clips and take your turn at learning fun and cool dances from a professional dancer.

**Ocean Disasters: Hurricanes and Tsunamis**

What do you do when disaster strikes? Research emergency preparedness procedures and historical disasters. How could damage have been minimized? Keep your eye on the storm as you create model hurricanes and tsunamis to better understand the science of natural disasters.

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Gimme Shell, Dude: Discovering Sea Turtles
Sea turtles have populated the planet for approximately 100 million years! They have outlived almost all of the prehistoric creatures with whom they once shared the Earth. Why is it that now, after all these years, all seven species of sea turtles may be facing extinction? Meet sea turtles currently being tracked and keep tabs on our “adopted” turtle as we learn more about their biology and life history as well as the conservation issues surrounding these charismatic reptiles.

Beachcombers: Found Objects and Reclaimed Items
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Coral Reef Adventure  
Fins up! Explore the colorful, vibrant world of coral reefs. Learn about coral polyps and coral reefs, coral reef inhabitants, and natural threats to coral reefs. Locate reefs around the world and create a variety of model reef habitats to better understand the symbiotic relationships necessary for a thriving, colorful reef.

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Ocean Animal Smackdown: Exploring the Roles of Predator and Prey  
Have you ever wondered how millions of species coexist in the ocean? Learn about food webs and ecosystems at four different ocean locations: the open ocean, the Arctic ocean, coral reefs and the deep ocean. Examine the complex balance of the ocean’s ecosystems and resulting animal smackdowns.

Mini-Chef Camp: Meals at the Beach  
Create delicious meals that will be perfect for your next family vacation. Learn easy and fun beach-inspired recipes that are sure to be the hit of the party!

Sand Sculptures  
Remember how much fun it was to play in the sand box when you were little? Well, dig out your buckets and shovels for this super-sized event! Learn how to make sand sculptures to wow your friends and family on your next beach vacation! You will complete a life-sized sculpture as a small group and compete for SEEK Sand & Sea prizes.

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Sand & Sea Bootcamp  
Can an octopus do push-ups? Can a walrus do sit-ups? Can a dolphin run sprints? The answer, of course, to all these questions is no! But YOU can! Join us for a week of fitness, challenges and lots of fun!

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Brain Games  
Find out why gray does matter! Examine how the human mind works as you explore illusion, logic, memory, common sense and more. Learn why we think, feel and act as we do through experiments, games, and demonstrations.
**Factions and Fiction: A “Divergent” Review**
Embrace your Divergence! Or find your perfect faction. Take part in our “Choosing Ceremony” and join your fellow faction members in games and activities inspired by this popular series.

8:30 - 10 a.m.

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**Garageband Recording**
Create your very own soundtrack using Garageband. Edit files, compose scores, play instruments and record a CD using Cal U’s state-of-the-art equipment. Learn all about the music technology field and jump start your career in the recording industry!

(PLEASE NOTE: This is a full morning course.)

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10:15 - 11:45 a.m.

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12:45 - 2:15 p.m.

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2:30 - 4 p.m.

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**JULY 20-24**
**GRADES 6-8**
SEEK is a member of the American Camp Association.

A proud member of Pennsylvania’s State System of Higher Education.