

Dive into Oceanography Project THINK

3rd - 8th Grades

38 years in 2018

Project THINK Office

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AM Daycare

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Project THINK students are discovering the scientific study of oceans during session one. They are looking at the life that inhabits them, their physical characteristics, the depth and extent of ocean waters where they dwell, their movement, and their chemical make-up as well as the topography and composition of the ocean floors.



Announcements

*Mystery animals visit Project Think every Friday.

Throughout the week students use deductive logic and reasoning to guess the animal that appears during their snack break on Friday. This week students were able to meet, up close, a real pufferfish!

*Family night will be Thursday, July 5th, from 7:00 to 8:00pm. Please join us on a tour of Mason Hall to see the student made projects, meet Project Think staff, and view streaming videos of the Thinkers in action.

Special Oceanography Assembly: On Wednesday, June 27, the Manhattan Beach Roundhouse Aquarium will visit Project THINK! The staff will bring several tide pool animals for the students to observe and touch as they share about ocean life and emphasize how to preserve it.

*T-Shirt Fridays: Thinkers who are wearing Project Think shirts on Fridays are entered into a raffle with prizes.



Students examining the internal and external anatomy of a blue crab.

Science

Teacher: Angelia Hobbs

Extremely cold climates are full of life! Through a hands-on blubber glove experiment, students learned the first week about adaptations that allow marine animals to thrive in freezing ocean water. Students will then become scientists as they dissect a blue crab and explore its external and internal anatomy during session one.

Art

Teacher: Ian Kirkpatrick

Assistant: Erin Baeskins

Students are exploring the world of narrative storytelling with a series of illustrations. They are designing a layout on a poster in the style of a comic book to tell a story that involves water and oceanography. As they learn about composition, design, and color they are able to weave together their illustrations using those art elements. By the end of the session the students will learn how to sequence a series of illustrations to create a beautiful poster of their own story.

Makerspace

Teacher: Darren Alcala

Assistant:

Engineering comes to life in the Makerspace room! This week in Makerspace, the students learned about the Engineering Design Process and how it is utilized outside of the classroom. To further develop their understanding of this process, Project Thinkers began developing a project where they and a partner start a company to design a particular object. During the rest of the session, they will customize that object for "clients" to not only expand their creativity but also their sense of empathy. In addition, students this session are building a model of an anglerfish. This week they drew sketches of the fish and then created a model of it using clay. In the following weeks, students will not only add color to the fish but also learn about circuits when they create the wiring to make their fish light up!

English Language Arts

Teacher: Mary Hannon

Assistant: Lauren Lane

In the creative writing course, students are given the opportunity to engage in a style of collaborative instructional lessons where they work together to navigate through the mysteries of the ocean. They are exploring methods for discussing the various oceans and their resources. This creative writing course is designed for students to concentrate on fiction writing. Through lecture, discussion, collaborative learning, writing exercises, and writing in a workshop mode, the student critically examine the elements of literary creation. The students also keep a daily journal and prepare a portfolio of their work.

Morning Drama

Teacher: Danny Campbell

Assistant: Charis Tshihamba

This year students in Morning Drama are learning about the basic elements of drama and story telling and then practicing them by creating scenes. Along with developing their basic public speaking skills like facing their audience and speaking loud enough for others to hear, students are also learning about how actors use their voices and bodies to create unique characters and build an environment to tell

a story. Students will also be discussing the basic elements of story as they create and perform scenes for the class. This will be accompanied by practicing professional theatre warm up techniques on a daily basis along with theatre and improvisation games to give the students a well rounded drama experience while at Project Think.

Morning Computers

Teacher: Zef Neemuchwala from Be a Maker Club

Intern: Jessica Wolf from Be a Maker Club

Assistant: Jatomi Stevenson from Be a Maker Club

This week in the morning computer class, students were introduced to a geographical information system (GIS) software from Environmental Systems Research Institute (ESRI). They learned the basics of 3D story mapping, and analyzed various data layers. They also learned about the effects of oil spills and explored various mappings of oil spills in and around California. They are working towards creating their own story map, using GIS, to depict how oil spills impact local marine life.

Afternoon Computers

Teacher: Zef Neemuchwala from Be a Maker Club

Intern: Jessica Wolf from Be a Maker Club

In the afternoon session of computers, students were introduced to coding with Sphero robots. They spent time learning to control their movements using an iPad and writing short coding blocks to achieve specific movements. Project Thinkers had the most fun programming it to move around in a circle in the water fountain outside. Students are also learning about Scratch, which is a tile-based visual programming environment and toolkit. They are coding their own games, animated stories, and interactive art. In addition, they designed and 3D printed their own signet rings. They were introduced to Thingiverse (the world's largest 3D printing community), Tinkercad (online 3D design and 3D printing app), and Polar3D (a browser based 3D printing platform). These are tools that allow them to search for 3D objects, manipulate and print them remotely using a web browser, and export them for use in Minecraft.

Please visit this link for resources for students and parents <https://beamaker.club/projectthink/>

Afternoon Drama

Teacher: Danny Campbell

Assistant: Charis Tshihamba

This year the Project Thinkers in afternoon Drama class will be engaged in learning about "The Great Bard" by William Shakespeare and working with his classic Tragedy - "Romeo and Juliet". Along with more advanced warm up techniques, theatre arts games, and exercises the students will listen to sections of Romeo and Juliet, discuss what is happening within the play and then interpret the play into a modern version in their own words - a completely student driven artistic endeavor. This modern adaptation of Romeo and Juliet will be filmed on a daily basis as the students work to adapt the story using props, costumes, and dialogue completely created by students. All of the afternoon Project THINK drama students will be featured in the film which will be proudly shown to students and friends alike at Family Night (The final Thursday of Session 1). Students are also

scheduled to take a behind the scenes tour of the famous Big Bridges Auditorium on the Pomona College campus to observe all of the components of a real theater.

Spanish

Teacher: Zoraida Torres

¡Viva el Español! Project THINK Spanish provides a unique opportunity to learn and improve Spanish language skills. Students participate in interactive games, music and movement activities, arts and crafts projects focused on European (Spanish) history and how Los Conquistadores arrived to North America, the Caribbean Islands, Central America, and South America. Students are also learning the oceans surrounding Spanish speaking countries while learning important facts about all countries, including the Mayan culture before the Spaniards arrival, Mexico, and the history of piñatas (through making their own). During this first week, the students have acquired useful phrases and grammatical concepts, and practiced their conversation skills. Starting today, students will learn to dance a Mexican/European Folklorico (Folk Dance) named "Jarabe Tapatio" using Flamenco "like" rhythms, allowing students to acquire stage skills. The dance will be filmed and shown at Project THINK family night.

Swim

Pomona Summer Swim Program Staff

Teacher: Mary Hannon

Assistant: Lauren Lane

Students enrolled in Project THINK afternoon swim are actually students of the Pomona Summer Swim Program! Certainly a refreshing part of the day, a lesson in the Pendleton Pool is an opportunity for students to learn and master stroke technique and safety. Teacher student ratio is 1:2 and for our more advanced swimmers, 1:3. Upon completion of their lesson, students engage in an afternoon of Fun and Fitness to include: yoga, outdoor relays, charades, ocean bingo and more!

Volunteers

Project THINK enters its' 38th year and does so with a dedicated volunteer crew! Many of our volunteers are referrals from past Project THINK families and area high school counselors. A week into our first session and over 550 volunteer hours have been given! This type of commitment is why Project THINK continues year after year! Join us in thanking our volunteers!

