



Memorandum of Understanding

PARTIES

Pacific Battleship Center (dba Battleship IOWA Museum) (hereafter PBC)
250 S. Harbor Blvd.
San Pedro, CA 90731

And

Inglewood Unified School District (hereafter IUSD)
401 S. Inglewood Ave.
Inglewood, CA 90301

March 7, 2019 to June 30, 2020

RECITALS:

1. The parties have established a partnership in order to implement STEM programming on board the Battleship IOWA (same physical address as the Pacific Battleship Center) during the 2018-2019 and 2019-2020 school years.
2. Programming will be offered on a Monday through Friday schedule subject to individual black-out days due to special events or other circumstances that may result in the closure of the Battleship IOWA to the public for any reason. PBC will provide IUSD with notice of such impending closures as soon as they are made known to PBC management.

DESCRIPTION OF PROGRAM:

PBC's "STEAM at Sea" program has been designed to provide a 4th-6th grade Next Generation Science Standards (NGSS) curriculum utilizing hands-on interactive labs for the students on board Battleship IOWA. These STEM labs will address STEM concepts such as: critical and creative thinking, communication skills, problem solving, risk and reward and innovation. A small segment of students'

time will be spent touring the ship to help provide context to what they will be exploring during their lab sessions.

Upon arrival to the site, students will be divided up into smaller team groups, generally no more than 20 in each group, and will be given a safety briefing regarding the shipboard environment they will be experiencing. (e.g., no running, rough housing, how to safely climb and descend the stairs, etc.)

Each team group will be assigned a member of the Education Department Crew to escort them onto the ship and over to the location where the labs have previously been set up on the Main Deck. One Education crew member will be assigned to each lab location to act as a facilitator for the lab activities. Each lab is designed to last approximately 45 minutes. Students will be provided a space on board the IOWA to eat their individual lunches following the first lab assignment. Lunches are not included in the program.

STEAM at Sea is designed to help students develop the problem-solving skills and attitudes they will need to become healthy, productive adults using an in-situ environment. By showing students how these skills were once applied to build and operate a battleship, and by conducting these labs on the deck of the ship, students are able to compare cutting edge technologies of the 1940's to the cutting-edge technologies of today. PBC's STEM program has demonstrated its effectiveness over five years to engage students in science exploration and inspire the pursuit of STEM-based fields of study.

All Education Department crew members have been live scanned for safety purposes and trained on how to facilitate each lab in a manner and method that aligns itself to the Next Generation Science Standards. With the help of the Education Department crew, students address the key STEM concepts that each lab is intended to illustrate.

PBC will provide all the supplies and materials needed to conduct the STEAM at Sea labs on board the ship. IUSD will be responsible for providing transportation for students and ensuring participating students have a sack lunch or school provided lunch that can be stored on board the IOWA until the program's scheduled lunch break.

The STEAM at Sea program for IUSD students has been underwritten by the Norris Foundation. We expect to serve up to 382 students with this grant. We hope to secure additional funding for this program and partnership expanding the number of students and grades served.

AGREED BY BOTH PARTIES:

1. The STEAM at Sea coordinator for PBC will be the Public Programs Manager. All reservations for IUSD schools participating in this STEM program will be directed to the Public Programs Manager or his designee to ensure the proper numbers of Education Department crew members are available and that we do not exceed the maximum limit of students participating on any given day.
2. The IUSD coordinator for this program will be **Lourdes Hale, Executive Director of State and Federal Programs.**
3. The maximum limit of students participating on a daily basis for this program will be the equivalent of two classes or between 60-80 students a day. Any variance of that limitation must be cleared in advance with the Public Programs Manager and acceptance of that variance will be

contingent upon PBC being able to conduct all elements of the program to the same quality level experienced under normal conditions.

4. All PBC Education Department crew members will be live scanned as part of their screening process prior to being assigned to facilitate any IUSD student in this program.
5. PBC and IUSD will acknowledge the sponsorship of this program by the Norris Foundation in all printed and online sources of information describing it. Any press or external communications mentioning the program and grant should be approved by our Development Director.

In witness whereof, the parties hereto have executed and delivered this Agreement effective on the date stated below:

Pacific Battleship Center

By: Michael D. Getschen

Name: Michael D. Getschen

Title: EVP/COO

Date: 2/12/19

Inglewood Unified School District

By: _____

Name: Carmen Beck

Title: Chief Academic Officer

Date: _____