2017 U.S. Marine Corps STEM Camp

17-24 June 2017
Camp Mission

• The Society of American Military Engineers (SAME) and the U.S. Marine Corps (USMC) are committed to inspiring the potential of this nation’s youth with leadership skills, motivation, and technical competence.

• Camps formed to provide opportunities for long-term mentorship with high school students and to interest them in the engineering profession through team-building activities in construction and engineering.
Establishing Camp Directors and Stakeholders

- SAME National
- Coastal Carolina Post
- Headquarters Marine Corps
- MCB Camp Lejeune I&E Dept
- Marine Combat Engineering School
First USMC Camp (June 2012)

- 2012 camp
  - 32 males and 8 females
- 2013 federal budget sequestration
  - 2013 USMC camp cancelled
- 2014 camp
  - 36 males
- 2015 camp
  - 27 males and 13 females
- 2016 camp
  - 31 males and 9 females
USMC Camp Overview

• 50 campers divided into five squads
  – Alpha, Bravo, Charlie, Delta, Echo

• 6-night camp, located at MCB Camp Lejeune, primarily Courthouse Bay, home to the Marine Corps Engineering School

• Competition between squads in engineering and construction activities, as well as some athletic competition
Planning
(Jun 2016 – Mar 2017)

• Monthly Calls
• Memorandum of Agreement
• Camp Location
• Berthing Considerations
• Messing Considerations
• Development of Curriculum
• Development of Camp Handbook
• Budgeting
• Date(s) for Camp
Planning

- Establish Staffing Requirements
- Develop Manning Document
- Finalize Curriculum
- Materials Requirements – Consumable and Sustainable
- Budget Refinement
- Camper Selection Criteria
- Advertising
- Staff Recruitment
- Develop Volunteer Requirements
- Volunteer Recruitment
Logistics

- Event Locations / Venues
- Transportation
- Messing
- Berthing
- Storage / Staging (short- and long-term)
- Command & Control
- Equipment
- Consumable and Sustainable Supplies
- Safety equipment
- Tools
Staffing and Volunteers

Staff Positions

• Squad Leaders (5)
  – One for each squad
  – Active duty, JO/enlisted
  – Overall responsibility for squad

• Mentors (10)
  – Two for each squad
  – Assist in curriculum and activities
  – Mentor campers on engineering and construction careers

Daily Volunteers (64 total):

• Airport drivers
• Daily runners/shoppers
• Storekeeper
• Messing coordinator
• Safety lead
• Cookout volunteers
• Event coordinators (frisbee, volleyball, etc.)
• Photographer
• Event scorers
• Curriculum sponsors
Camp OIC and AOIC Assigned

- Liaison for all things military
- Assigned five Marines as squad leaders
- Internal logistics team
  - Scheduled all venues
  - Supplies – fuel, water, etc.
  - Manpower
  - Communications
  - Medic
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Camp Assistant Officer-in-Charge
1Lt Logan Baisden, USMC, MCES

Camp Logistics Support
Mr. James Barton, S-4

Camp Medic / Corpsman
Caron Clinic

Alpha Squad
Cpl Joseph Anders, USMC

Bravo Squad
Sgt Adam Williams, USMC

Charlie Squad
Sgt Peter Adams, USMC

Delta Squad
Cpl James Bissonnette, USMC

Echo Squad
Sgt Scott Schwerman, USMC
Budgeting

• 12-month, dynamic process
• Tuition provided operating expenses
  – Registration Fee of $580
  – Shared between camper and sponsoring post
• Donations from sustaining members, plus Lowes and Guy C. Lee were critical
Final Coordination

• Curriculum changes
  — Several changes for 2017

• Determination of berthing location
  — Barracks at Courthouse Bay

• Identification of messing facilities and options

• Walk-through of venues – 8 Jun 17
Camper Selection

• Application process online

• Applications to Posts due 24 Mar 17

• Nomination to SAME National on 7 Apr 17

• Final slate of 50 campers identified in May
  – 40 male
  – 10 female
Final Curriculum and Sponsors

• 11 Curriculum Events and Activities
• Each Event/Activity Directed by a Sponsor:
  – Marine Corps Engineer School
  – Cape Fear SAME Post
  – Sustaining Member firms – AECOM, Cape Fear Engineering, CH2M Hill, GET Solutions, John R McAdams
  – Walk-thru one week prior to camp
Class Model

• Design/Build
• Camper assignments within activities
• Competition
  – Score Events
  – Determine first through fifth place
  – Streamers to the squads that win major events
  – Points totaled and posted daily
• Squads’ performance does not reflect squad leaders’ and mentors’ performance
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**Camp Curriculum and Schedule**

- **Camp w/Staff**: Morning and Evening Session/Incentive
- **Lunch-Galley**: Mid-Day Session/Incentive
- **Lunch & OAH-Galley**: Mid-Day Session/Incentive
Sunday – Campers Arrive
Sunday – Inbrief
Squads - Alpha, Bravo, Charlie, Delta, Echo
Monday – Concrete Beam D/B
Tuesday – Moving Water Uphill
Tuesday – Trebuchet Launch
Tuesday – Onslow Beach
Recreation and Hawaiian Luau
Wednesday – Stormwater BMP
Wednesday – “Devil Dog” Reaction Course
Wednesday – Ultimate Frisbee
Thursday – Cardboard AAV
Friday – Concrete Beam Break
Friday – Blue and Gold Lunch
Friday – Demolition
Friday – Awards Presentation
Planning for Next Year’s Camp

• After Action Report being prepared
• Budgeting – funded by tuition and contributions
• Staff volunteers – need early commitment for the week
• Continual improvement
  – Curriculum, planning, logistics
  – Continue at 50 campers
• NEXT YEAR’S CAMP: 17 – 23 June 2018
Additional Information/Questions

• Camp Director – Joe Angell -
  jangell@msegrou.com
• Staffing and Volunteer Coordinator – Will
  Breeden – wbreeden@msegrou.com
• Visit our Facebook page
    of-American-Military-Engineers-Construction-Camp-
    369820256407075/
• SAME National Camps website
  – http://www.same.org/STEMCAMPS