



PROGRAM SUMMARIES

PROGRAM	CAMPUS	LOCATION	AGES	DAY	LENGTH	DATES	COST*
ACE Aviation	BSU	New Bedford Airport	Grades 7-12	Full day	5-day week	August 1-5, 2011	\$399
ASLP—Advanced Studies Leadership Program	MMA	Buzzards Bay	Grades 7-8 (nominated from CC Collaborative only)	Full day plus overnight	3 weeks – overnight weekdays, home weekends	FULL FOR 2011	n/a
Bees, Bakugans, and BioEngineering	MCC	Brockton	Grades 5-6	Morning	4-day week	July 25-28, 2011	\$59
It IS Rocket Science!	CCCC	West Barnstable	Grades 6-8	Morning, afternoon or full day	5-day week	August 15-19, 2011	\$175 half day; \$200 full day
Kids College	BCC	Fall River, New Bedford, Attleboro	Elementary through high school	Morning, afternoon or full day	1-4 days/week	Classes run various schedules between July 7-August 15	\$60-135 per course
SSLP Sea Science and Leadership Program	MMA	Buzzards Bay	High school	Full day plus overnight	4-day overnight	August 2-5, 2011	\$395
Sustainability Camp	UMD	Dartmouth	Grades 6-8	Full day	5-day week	July 25-29, 2011	\$80
Whale of a Mystery	BSU	Bridgewater	Grades 6-9	Full day	5-day week	2 sessions: July 11-15 and 18-22, 2011	\$250

**ALL camps offer scholarships to students unable to afford regular tuition.*

Aviation Career Education (ACE) Summer Camp

SPONSOR: Bridgewater State University

WHERE: New Bedford Airport

WHEN: August 1-5, 8:30 a.m.-4:30 p.m.

WHO: 7th-12th graders

COST: \$399 for the week, scholarships available

CONTACT: BSC External Affairs, (508) 531-1250

WEBSITE: <http://www.bridgew.edu/aviation/ACE%20Camp/ACE%20Camp%20Link.cfm>

WHAT: 5 full days of: Aviation History, Hands-on Activities, Simulator Flights, Aircraft Flights, Fields Trips, Meeting with Aviation Professionals, and Career Opportunities. Lunch and snacks served daily. Co-sponsored by FAA along with many other organizations, the focus is on aviation career exploration with emphasis on opportunities for women and minorities.

- Take off and experience the thrills of steep turns, wing stalls and turnarounds
- Meet professional pilots
- Tour New Bedford and Plymouth airports
- Trip to Aviation Museum in North Kingstown, Rhode Island
- Model aircraft demonstration and flying
- Ground School: instruments, engine gauges, radio procedures
- Try Your Hand in a Computer lab flight simulator!

Whale of a Mystery

SPONSOR: Bridgewater State University

WHERE: Bridgewater State University campus Moakley Center

WHEN: Two separate one-week sessions, July 11-15 and 18-22, 2011, 8:30 a.m.-4 p.m.

WHO: Students entering grades 6-9 in the fall

COST: \$250 per student per week

CONTACT: Kayla Cetrone kcetrone@bridgew.edu or (508)531-2635

WEBSITE: <http://webhost.bridgew.edu/citylab/SummerPrograms/Application.html>

WHAT: BSU CityLab's Whale of a Mystery is a week-long, daytime biotechnology outreach program for middle school students. This popular program, with a biotechnology and whale theme, provides an interdisciplinary mix of science, math and language arts. Students are "hired" as employees of the Bridgewater Animal Forensic Laboratory (BAFL) and are called upon to solve a "mystery." They work in groups of three to determine if a sample of "whale meat" is from an endangered species that has been sold illegally in a foreign fish market.

Monday and Tuesday are spent in the lab. On Wednesday the students take a break to experience a whale watch out of Plymouth Harbor. On Thursday, it's back to the lab to analyze results and write reports. Friday morning is spent preparing materials for the afternoon's "congressional hearing," to which parents, grandparents, etc. are invited as well!

It IS Rocket Science!

SPONSOR: Cape Cod Community College

WHERE: Cape Cod Community College campus, Lorusso Building, West Barnstable

WHO: Middle School students (grades 6-8)

WHEN: August 15-19; morning session 9-noon; afternoon session 1-4; or full day.

COST: \$175 for half day; \$200 for full-day (lunch included)

CONTACT: Jennifer True, (508) 375-5011; jtrue@capecode.edu

WEBSITE: www.capecod.edu/summerofscience

WHAT: Students will design, develop, build, test and refine rockets as they explore concepts in science, technology, engineering and mathematics. With a special focus on sustainability and "green" principles, the "It IS Rocket Science!" program gives students the opportunity to explore real world problem-solving scenarios; work in teams on design challenges; use computer-based data collection and analysis tools; and gain experience doing real science.

Kids College

SPONSOR: Bristol Community College

WHERE: Bristol Community College Campuses in Fall River, New Bedford, and Attleboro

WHO: Elementary, middle, and high school students

WHEN: Morning and afternoon classes take place one day per week for multiple weeks, July 7-August 15, 2011

COST: Most classes cost \$60-110 for a six-week session; students can enroll in multiple classes

CONTACT: 508.678.2811, ext. 2527 / Toll Free 800.462.0035 (MA & RI only)

WEBSITE: www.bristolcc.edu/kidscollege

WHAT: “Kids College” provides activities that develop skills and content in the areas of science and technology in a fun, engaging environment. Like college students, kids get to register for a variety of classes, some meeting in morning, some in the afternoon, for a half-day or full-day experience. Some sample classes:

- Lego® Club: The students work in a lab type setting with one LEGO® kit per two students. This course encourages hands-on (tactile) learning, promotes team building, and allows creativity in construction while having fun with basic science and mathematics.
- Sustainability Club: The goal is to increase youth knowledge and awareness about the global ecological crisis, with the hope that this increased awareness will help moderate the behavior of future generations and inspire political action for positive environmental and social change.
- Renewable Energy Club: provides an overview of renewable energies including solar, wind, hydropower, biomass and hydrogen and fuel cells with hands-on activities.
- Bees and Bytes Computer Club: This series will introduce students to programming, Web design, as well as other exciting technologies and skills.

Students also have to option to refresh and upgrade needed skills and explore new topics through classes that meet once a week for six weeks:

- Radical Mathematical: Through hands-on and group activities students will enhance their mathematic skills while having radical amounts of fun! [1 week session (6 week session once a week, \$95)]
- Computer Reading & Writing: Students will write and illustrate their own unique stories by using Print Shop, MS Publisher and MS Word. Reading Blaster will also be used to reinforce phonics, reading comprehension, and vocabulary skills. [6 week session once a week, \$95]

Sea, Science & Leadership Program

SPONSOR: Massachusetts Maritime Academy

WHERE: Massachusetts Maritime Academy campus, Buzzards Bay

WHEN: August 2-5, 2011; four days, three nights

WHO: High school students

COST: \$395 (early registration)

CONTACT: Mike Ortiz, Admissions Office (800) 544-3411 or mortiz@maritime.edu

WEBSITE: <http://www.maritime.edu/index.cfm?pg=1962>

WHAT: At SSLP you will participate in much of the same hands-on training our college students experience including...

CORE SESSIONS (all students participate)

- * Rescue Operations/Cold Water Survival
- * Firefighting
- * Team Building and Drill
- * Carabiner's Indoor Climbing

- * Zepher Marine
- OPTIONAL SEMINARS (students will choose two)
- * Marine Engineering
 - * Shiphandling Simulator
 - * Emergency Management Simulator
 - * Navigation/Radar Operations
 - * Small Boat Maneuvering
 - * Geographic Information Systems (GIS)
 - * Hazardous Accident Response
 - * Wetlands Walk

Advanced Studies Leadership Program

FILLED FOR 2011

Bees, Bakugans, and Bioengineering

SPONSOR: Massasoit Community College

WHERE: Massasoit Community College, Brockton Campus

WHO: Middle School students (grades 5-6), priority given to Brockton and Randolph students

WHEN: July 25-28, 8:00-12 a.m.

COST: \$59

CONTACT: Marc Simmons, Professor, (508) 588-9100 x1668 MSimmons@massasoit.mass.edu

WEBSITE: www.massasoit.mass.edu

WHAT: This summer camp integrates biology and engineering based on the Museum of Science's Best of Bugs unit. Participating children will solve design challenges using creativity, teamwork, science, and engineering. Students will become agricultural engineers focusing on plant reproduction and the role of bees and other insects. They will perform a play on Integrated Pest Management in an apple orchard, speak with an actual agricultural engineer, and finally, take on the design challenge of creating an effective hand pollinator.

Sustainability Camp: Remaking Our World, Greening the Planet and Our Lives

SPONSOR: University of Massachusetts Dartmouth

WHERE: UMass Dartmouth Campus

WHO: Students entering 6th, 7th, and 8th grade

WHEN: July 25-29, 9 a.m. to 4 p.m.

COST: \$80; bus transportation available

CONTACT: Jennifer Gonet 508-910-6484 or email JGonet@umassd.edu.

WEBSITE: www.umassd.edu/sustainability/camp.cfm

WHAT: Campers will be engaged in hands-on projects using artistic media and film technologies to document and promote their environmental learning from the week. Activities throughout the week will include environmental crafts, building, utilizing energy technologies, and scientific research in the campus forest. Field trips and swimming are also part of the week. The goal of camp is to develop creative sustainability leaders equipped to respond to the environmental challenges of the 21st century. Topics covered include Renewable Energy Technologies, Environmental Science, Environmental Math, and Nutrition.