



MAST Academy

Maritime and Science Technology High School

A Nationally Recognized School of Excellence

MISSION

MAST Academy provides a marine setting and nurturing environment for studies leading to academic success, career preparation, an appreciation of the sea, and environmental awareness. Stakeholders work together to instill a commitment to life-long learning and to advance and improve a challenging curriculum integrated with the sciences and technology.

OVERVIEW

Serving 550 students in grades 9-12, MAST emphasizes innovative teaching techniques, creative use of a bayside facility, and a businesslike approach to the overall delivery of the school's chief product--quality education. The school operates a large Outreach program in elementary and middle schools. MAST Academy graduates attend the best colleges and universities in the country. Approximately 70 percent of the professional staff possesses the master's degree or doctorate. Twenty percent are National Board certified teachers.

ACCEPTANCE CRITERIA

- ⚓ Potential to meet rigorous academic challenges
- ⚓ Consistent daily school attendance
- ⚓ Excellent conduct record
- ⚓ Theme-related interests and activities
- ⚓ Writing portfolio and science project
- ⚓ Positive teacher and community recommendations
- ⚓ Final selection of qualified candidates through District random selection process

CURRICULUM

- ⚓ Three majors:
 - Marine Studies & Culture
 - Maritime Related Industries
 - Oceanic & Atmospheric Science Technology
- ⚓ College-bound courses and job skill applications required of all students
- ⚓ Marine-theme activities throughout the curriculum
- ⚓ Unique courses: Ethics & Leadership, Introduction to Engineering, Web Design, Maritime Literature, Intel Research, Solar Energy, SCUBA, Hospitality Management, Information Technologies, Outdoor Education, Environmental Art, Coast Guard JROTC
- ⚓ Honors, Advanced Placement, and dual enrollment courses
- ⚓ Career education and internship emphasis
- ⚓ Seagoing hands-on experiences

ACTIVITIES & ATHLETICS

- ⚓ Honor, service, career and special interest clubs
- ⚓ Annual student travel opportunities
- ⚓ Comprehensive tutorial services
- ⚓ Dances and special multicultural events
- ⚓ Quarterly student/faculty/community symposia
- ⚓ Teams: swim, crew, waterpolo, sail, tennis, volleyball, basketball, track, soccer, softball
- ⚓ Student government and class officers
- ⚓ Newspaper, yearbook, literary magazine
- ⚓ Activity period for enrichment

UNIQUE FACILITY

- ⚓ 11.2 acres on Biscayne Bay
- ⚓ Boat house, pool, fitness center, and docks
- ⚓ Non-fixed seats in multipurpose hi-tech auditorium
- ⚓ 5 large atrium spaces for museum exhibits, student and teacher projects, professional displays
- ⚓ Recreation center/Bayside and patio dining
- ⚓ Conference rooms and flexible meeting spaces equipped with presentation technology

RECOGNITION

- ⚓ Royal Caribbean International/Celebrity Cruises Ocean Fund Grant, 1999, 2001, 2005
- ⚓ "A" School Designation, 2001, 2002, 2004
- ⚓ U.S. Department of Education New American High School Showcase Site, 1999-2000
- ⚓ State of Florida High Performing School, 1998-1999
- ⚓ Magnet Schools of America Merit Award, 1998
- ⚓ U.S. Department of Education Blue Ribbon School of Excellence, 1994-1996
- ⚓ Recognized by BusinessWeek and Redbook magazines for educational reform and parent involvement, 1993, 1994
- ⚓ Florida Department of Education Sharing Success in Environmental Education Award, 1994, 1995
- ⚓ Florida Department of Education Business Partnership Award, 1993
- ⚓ Member school: National Consortium for Specialized Secondary Schools of Mathematics, Science, and Technology, 1993-2005

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NEW AMERICAN HIGH SCHOOL
SHOWCASE SITE
U.S. DEPARTMENT OF EDUCATION