The Mississippi School for Mathematics & Science (MSMS) 2003-2004

MSMS Student Data
2003 - 2004

	Juniors	Seniors	Total	Percent
Number of Students	139	125	264	--------
Number of Females	71	64	135	51.0%
Number of Males	68	61	129	49.0%
Number of Black	27	18	45	17.0%
Number of White	96	87	183	69.0%
Number of Minorities (excluding Black)	16	20	36	14.0 %

Number of counties represented by these students: 55

Date Revised and Reported: 10/20/2004

Overview & Mission	
Overview	❖ Public, residential, co-educational high school for academically talented juniors and seniors. ❖ Located on the campus of the Mississippi University for Women in Columbus, Mississippi. ❖ First class graduated in 1990. Created to enhance the future of Mississippi by providing innovative learning experiences in a residential environment to meet individual needs of gifted and talented students and by providing quality educational leadership and aggressive outreach programs.
Legislation	Created by legislative enactment on July 1, 1987.
Student Selection	
Process	❖ Students are selected from across the state of Mississippi through a competitive process that culminates during April of the tenth-grade year. ❖ The applicant's interest in mathematics, science, and technology is considered as well as past academic performance, standardized test scores, extracurricular interests, and accomplishments. ❖ Recommendations from the home school, student essays, and personal interviews are also used to develop as accurate a picture as possible.

Residence Life	
Housing	❖ Students are housed in residence halls supervised by professional staff and resident advisors. Comprehensive Residential Life program focuses on student development.
Activities	❖ Student government, sports, academic competition teams, numerous clubs and student organizations, and 3 student publications. ❖ Field trips are planned regularly to take advantage of cultural and recreational events. ❖ Fully-equipped gymnasium with professional staff and a broad program of intramural sports. ❖ Member of the Mississippi High School Athletic Association competing in soccer, swimming, tennis, golf, basketball, and cheerleading.
Work Service Program	❖ Student participation required. ❖ Students do custodial work in the academic and administrative buildings, and residence halls. ❖ Students assist in science laboratories, academic, and administrative offices, the MUW library and post office. ❖ Students assist in trouble-shooting and computer maintenance techniques, network cabling, webpage design for student activities, printer maintenance and support of audio/visual equipment for use in the classrooms (replaces 1 full-time technician). ❖ Students who have certification serve as lifeguards at MSMS activity center during student activity hours. ❖ Students serve as accompanist for the MSMS choral group. Promotes a sense of community and responsibility and allows students to make a return investment for the opportunity to attend MSMS.
Faculty	
Average teaching experience	17years.
Percent with advanced degree	Approximately 35% hold the doctorate degree.
Academic Program	
Academic level	❖ Courses taught at the Honors level. Collegiate-type schedule with most courses meeting 3 hours per week and labs meeting 1.5 hours per week. Some advanced courses meet 4.5 hours with an extra lab for science courses.
Average class size	18 students.
Number of academic units	❖ Usually a minimum of 6.5 units per year. ❖ Juniors average 6 - 6.5 units; seniors average 7 – 7.5 per year.

Evaluation of Student Progress	❖ Quarterly evaluations with averages computed by semester and/or year. Grading scale: 90 – 100 = A, 80 – 89 = B, 70 – 79 = C, 0 – 69 = NC (No Credit Given). ❖ Other marks listed on transcripts may include WP (Withdrawn Passing) and WF (Withdrawn Failing). ❖ MSMS does not compute grade-point average or class rank.
Dual Enrollment	Juniors and seniors with a composite ACT of 25 or higher may be concurrently enrolled at MUW in the University English curriculum. The course provides appropriate preparation for the AP examination.
Special Study Options	During spring of the junior year, students may apply to enroll in Research. Students are placed with a university professor at nearby MSU. Students earning ½ credit in Research work 4 hours per week. Summer internship opportunities are also available. MSMS students are involved in research in many disciplines including engineering, chemistry, veterinary medicine, physics, computer science, and mathematics.
Mentorship	Available to selected students during the senior year. Minimum of four hours per week spent with a professional in the community who works in an area that the student is considering as a career choice. Students earn ½ credit in mentorship.
Graduation Requirements	
Credits	23 credits are required for graduation. Of these, a minimum of 13 units must be earned at MSMS.
MSMS units required	**English** – taken each year for a total of 2 units. **Mathematics** – minimum of two credits in mathematics and successful completion of either AP Calculus I or AP Statistics I. **Science** – minimum of three credits in science: one credit each in biology (must include Cell Biology), chemistry, and physics (½ credit must be earned in a mechanics course). **Mathematics/Science Elective** – an additional unit of either mathematics, science, or an approved interdisciplinary course is required. **Computer Science** – In lieu of a computer applications course, students must be able to demonstrate computer proficiency. *Students taking any required courses prior to enrolling at MSMS will add elective units to make up the required total of 13 credits at MSMS.

MSMS Outreach Survey Summer Programs

1991-2004

Number of Students Benefiting from Workshops

1991	7,800	**1998**	9,552
1992	17,021	**1999**	9,553
1993	17,390	**2000**	14,020
1994	22,317	**2001**	19,768
1995	13,254	**2002**	6,561
1996	10,127	**2003**	3,600
1997	17,539	**2004**	4,800

Most Recent Summer Programs

2001:
(3) Empowering Teachers With Technology
(2) Establishing A Presence With HyperPresence
(3) Summer Life Science Camps
Institute for African American Males
Mathematics Success Skills Program
Making Mathematics Meaningful
Vernier/Texas Instruments Physics Workshop
(2) Teaching Algebra & Geometry w/ Tech.

2002:
(3) Math Links
(2) Empowering Teachers With Technology
Institute for African American Males
(2) Summer Life Science
The Math Connection

2003:
Mathematics in Context
JAVITS

2004:
Summer Institute for Teacher Training (SITE)
JAVITS