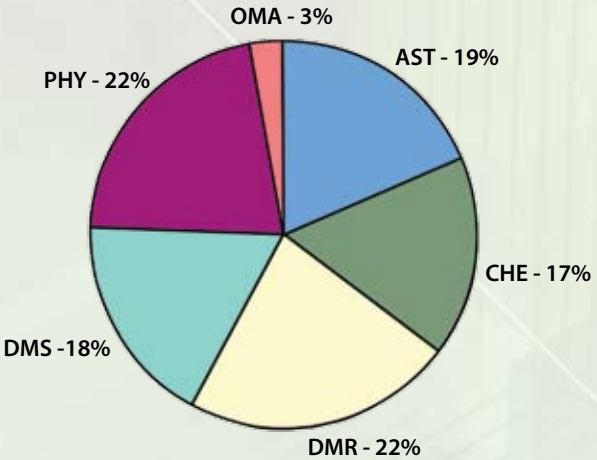


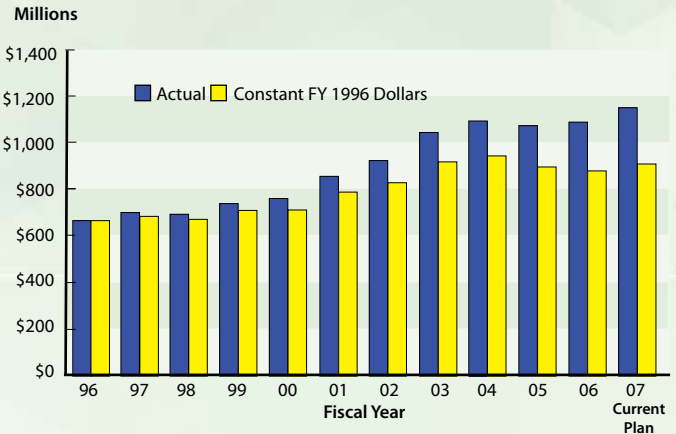
Directorate for Mathematical and Physical Sciences (MPS)

MPS Funding FY 2007 Current Plan



Pie chart showing MPS total budget for FY 2007. MPS will spend \$1.15 billion in FY 2007. Totals may not add due to rounding.

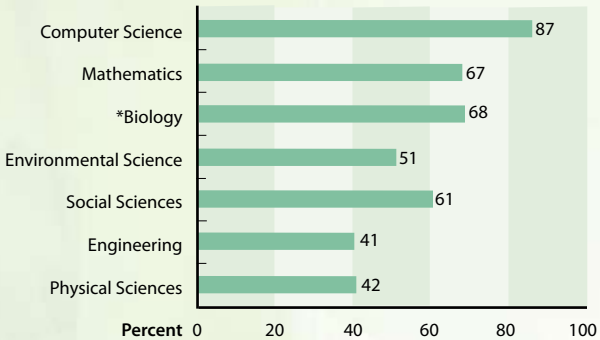
Budget in Actual and Constant FY 1996 Dollars



MPS annual budgets in actual and constant FY 1996 dollars. Constant dollars show the purchasing power of the MPS budget. Over this 12-year period, the constant dollar budget for MPS has increased 38%.

Data provided from FY 1998 to 2008 NSF Budget Requests to Congress, <http://www.nsf.gov/about/budget/>. Constant 1996 Dollar Deflator from Section 10 of the Gross Domestic Product and Implicit Outlay Deflators, Historical Tables of the U.S. Budget, FY 2005, <http://www.whitehouse.gov/omb/budget/fy2008/pdf/hist.pdf>.

NSF Support as a Percentage of Total Federal Support of Academic Basic Research



* Excludes the National Institutes of Health

The National Science Foundation contributes significant portions of the total Federal support of many areas of academic basic research. Note that the Directorate for Mathematical and Physical Sciences includes basic research in the mathematical sciences (67% of Federal support) and in the physical sciences (42% of Federal support). Source: FY 2006 Performance Highlights, NSF-07-11.

Innovation Resulting from U.S. Federally Funded Research

Innovation	Funder
The Internet	DARPA/NSF
Web Browser	NSF
Bar Codes	NSF
Fiber Optics	NSF
Routers	NSF
MRI	NIH/NSF
Doppler Radar	NSF
Speech Recognition	NSF/DARPA
Nanotechnology	NSF
Computer Aided Design	NSF/DARPA

The basic science research supported by the U.S. government has led to numerous technical innovations that have improved the health, economy and security of the nation. This chart lists a sampling of these advances. NIH = the National Institutes of Health in the Department of Health and Human Services; DARPA = the Defense Advanced Research Projects Agency in the Department of Defense. Source: Losing the Competitive Advantage? American Electronics Association, 2005.