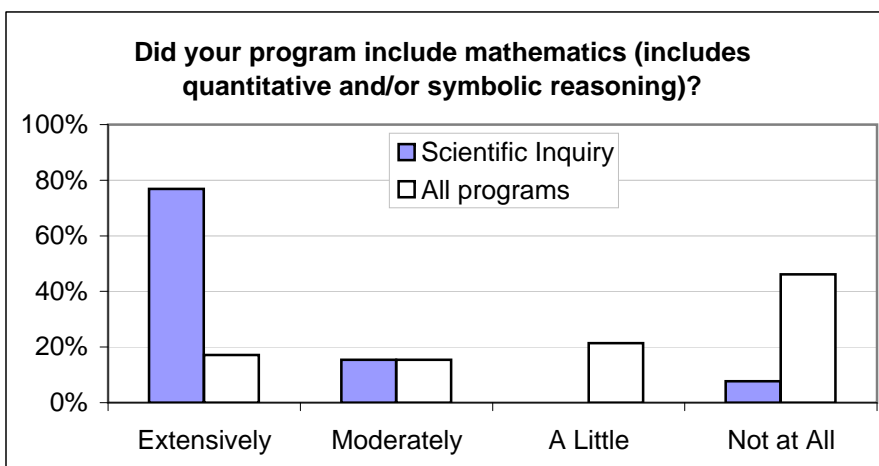


End-of-Program Review 2008-09

Mathematics in Scientific Inquiry programs (SI)

Did your program include mathematics (includes quantitative and/or symbolic reasoning)?

	Extensively	Moderately	A Little	Not at All	Percent of Programs with any mathematics	Programs with any mathematics (N)	Programs responded (N)
Scientific Inquiry	76.9%	15.4%	0.0%	7.7%	92.3%	12	13
All programs	17.1%	15.4%	21.4%	46.2%	53.9%	63	117



Description of Scientific Inquiry programs with mathematics

Scientific Inquiry programs with mathematics	Extent	Field	Introductory	Intermediate	Advanced
Astronomy & Cosmologies	Extensively	Algebra, trigonometry, estimations, ratios	X		
Introduction to Natural Science	Extensively	Algebra Statistics Elementary Mathematical Modeling Differential Calculus History of Math, Computer Science	X		
Foundations of Health Science	Extensively	Statistical Reasoning, quantitative Problem-Solving in Biology and Chemistry	X		
Quantum Theory: Physics and Philosophy	Extensively	Differential Equations		X	X
Models of Motion	Extensively	Computer Science, Calculus		X	
Science, Creativity and Exploration	Extensively	Algebra	X		

Methods of Mathematical Physics	Extensively	Differential equations, linear algebra, non-linear dynamics, vector calculus			X
Data and Information: Computational Linguistics	Extensively	Computer Science	X		
Computer Science Foundation	Extensively	Discrete mathematics, computer science	X	X	
Algebra to Algorithms	Extensively	Algebra, geometry, programming in Logo	X		
Molecule to Organism	Moderately	Algebra Graphing Logarithms		X	
Energy Matters	Moderately	Energy unit accounting	X		