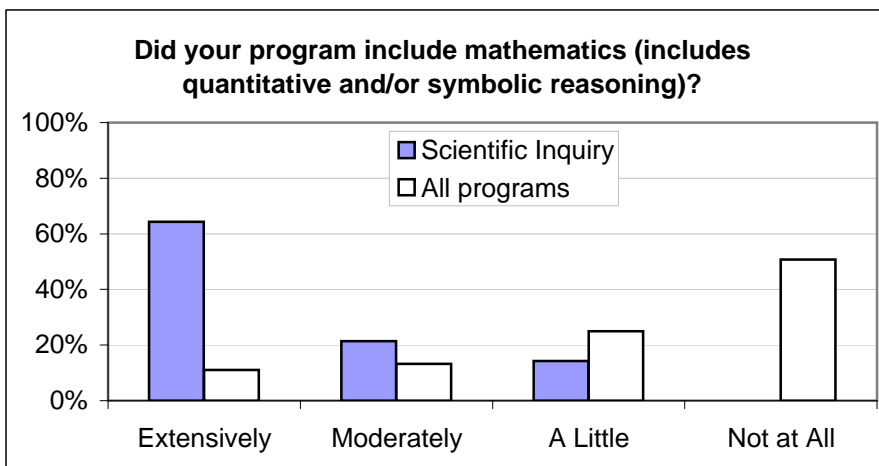


End-of-Program Review 2011-12

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	64.3%	21.4%	14.3%	0.0%	100.0%	14	14
All programs	11.0%	13.2%	25.0%	50.7%	49.2%	67	136



Description of Scientific Inquiry programs with Mathematics

Scientific Inquiry programs with Mathematics	Extent	Field	Introductory	Intermediate	Advanced
Energy Systems and Climate Change	Extensively	Pre-Calculus, Data Analysis, Graphing		X	
The Science Behind the Headlines: What's the Truth?	Extensively	Applied Math for Science, Trigonometry	X		
Computer Science Foundations	Extensively	Discrete Mathematics, Computer Science	X		
Applied Biology and Chemistry	Extensively	Applied Math		X	
Student Originated Software	Extensively	Discrete Mathematics, Computer Science, Logic, Data Structures, Theory of Computation		X	X
Physics and Calculus: Finding Order in the Physical World	Extensively	Calculus, Algebra, Trigonometry, Geometry, Logic		X	
Atoms, Molecules, and Reactions	Extensively	Calculus, Algebra II			X
Matter and Motion	Extensively	Calculus		X	

Mathematical Systems	Extensively	Abstract Algebra, Real Analysis, Set Theory, Geometry, Combinatorics, Game Theory, History of Math			X
Introduction to Public Health	Moderately	We used a text introducing epidemiology, including some basics of statistics and quantitative methods.	X	X	
Molecule to Organism	Moderately	Probability and Statistics, Algebra		X	
General Chemistry	Moderately	Algebra		X	
Language and the Evolution of Mind	A Little	Formal Linguistics	X		
Introduction to Natural Science	A Little	Dimensional Analysis, intro Statistics, Algebra, Geometry	X	X	