

## K-5 Science/Engineering/Technology

Program Leader: Karen McCarthy

### ORGANIZATION/PROGRAM DESCRIPTION

The purpose of the elementary science program is to engage 2,830 children in the process of science and technology/engineering in a systematic way so that basic concepts and skills in life, earth and physical science and engineering design are developed over the K-5 grade span in all schools. Classroom teachers use inquiry oriented, hands-on, minds-on lessons to provide a rich variety of experiences in science and technology/engineering for their students. A K-5 Science Coordinator supports 131 teachers in six schools by providing materials and consultation as well as demonstration lessons, curriculum development leadership and professional development opportunities. In addition, the Science Coordinator monitors the alignment of the Lexington curriculum with the Massachusetts Science and Technology/Engineering Standards and facilitates uniformity in the implementation of the curriculum system wide. A part time (8 hours/week) Science Materials Manager orders materials for this kit-based program (approximately 370 kits), makes up additional kits from “recycled” science materials if possible, and organizes and distributes science enrichment materials.

### STAFFING SUMMARY:

Line No	DESE Func	JOB_DESC	Operating				Total Sum of FY11 FTE Budget	Total Sum of FY12 FTE	Total Sum of FTE Change	Total Sum of FY12 Budget
			FY11 FTE Budget	FY12 FTE	FTE Change	FY12 Budget				
1	2120	COORD	1.00	1.00	0.00		1.00	1.00	0.00	
4	2120	SEC K5 SCI	0.21	0.21	0.00		0.21	0.21	0.00	
<b>Grand Total</b>			<b>1.21</b>	<b>1.21</b>	<b>0.00</b>	<b>\$ 98,583</b>	<b>1.21</b>	<b>1.21</b>	<b>0.00</b>	<b>\$ 98,583</b>

### EXPENSE SUMMARY:

State Func - Seg 7	FY11 Func	ACCOUNT DESCRIPTION - new	Sum of FY09 YTD EXP/ENC	Sum of FY10 YTD EXPENDED	Sum of FY11 STM Budget	Sum of FY12 ATM Request	Sum of \$ Changed
2357	Professional Development Stipends, Providers and Expenses	PROFESSIONAL SERVICES SEMINARS/WORKSHOPS/CONFERENCES	\$0 \$200	\$ - \$ 1,070.00	\$ - \$ 1,230.00	\$ - \$ 1,230.00	\$ - \$ -
2410	Textbooks and Related Software/Media/Materials	INSTRUCTIONAL MEDIA TEXTBOOKS	\$0 \$5,997	\$ - \$ 6,573.39	\$ - \$ 6,015.00	\$ - \$ 6,015.00	\$ - \$ -
2415	Instructional Materials	PRINTING/FORMS	\$0	\$ -	\$ -	\$ -	\$ -
2420	Instructional Equipment	EQUIPMENT	\$0	\$ -	\$ -	\$ -	\$ -
2430	General Supplies	SUPPLIES & MATERIALS	\$23,074	\$ 21,046.95	\$ 22,772.00	\$ 25,045.00	\$ 2,273.00
2440	Other Instructional Services	FIELD TRIPS MEMBERSHIP/DUES/LICENSES & SUB MILEAGE OUT OF STATE TRAVEL	\$0 \$623 \$139 \$0	\$ - \$ 147.95 \$ - \$ -	\$ - \$ 257.00 \$ - \$ -	\$ - \$ 257.00 \$ - \$ -	\$ - \$ - \$ - \$ -
<b>Grand Total</b>			<b>\$30,033</b>	<b>\$ 28,838.29</b>	<b>\$ 30,274.00</b>	<b>\$ 32,547.00</b>	<b>\$ 2,273.00</b>

- Per pupil allocation: The amount of money per student that is allocated to each program area for the acquisition of curriculum specific materials, supplies and equipment for the benefit of the students enrolled in the specific program. The per pupil allocations are determined for each program classification (i.e., K-5 Math, 6-8 Math, 9-12 Math, Special Education, English Language Learners), based on the official October 1 enrollment reported to the Department of Elementary and Secondary Education.