



PUBLIC EDUCATION APPROPRIATIONS SUBCOMMITTEE  
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## SCIENCE EDUCATION OUTREACH

BUDGET BRIEF

### SUMMARY

The Science Education Outreach program assists Utah's professional science organizations in providing their expertise in teaching the State's science core curriculum in the public schools. Professional organizations match state revenues to support and enhance the delivery of science education through demonstrations, presentations, and educational activities in the public schools.

The program ensures that each of the 40 school districts have the opportunity to receive services in a balanced and comprehensive manner over three years. In FY 2010, schools receive services through two programs: Informal Science Education Enhancement (iSEE) and Science Enhancement. Funding for a third program, Science Outreach – Request for Proposal (RFP), was eliminated during the 2009 General Session.

### PROGRAM HISTORY

Science outreach programs in the public schools began in the 1970s when the Legislature provided revenue to the Hansen Planetarium (now Clark Planetarium) to conduct educational programs and demonstrations. During the 2006 General Session, the Legislature split the Fine Arts and Sciences program into two separate budgetary line-items; Fine Arts Outreach and Science Outreach. Legislators determined that bifurcation would provide greater visibility to the specific needs of each program and allow the Legislature to focus appropriations to meet specific goals by content area.

#### *Program Funding*

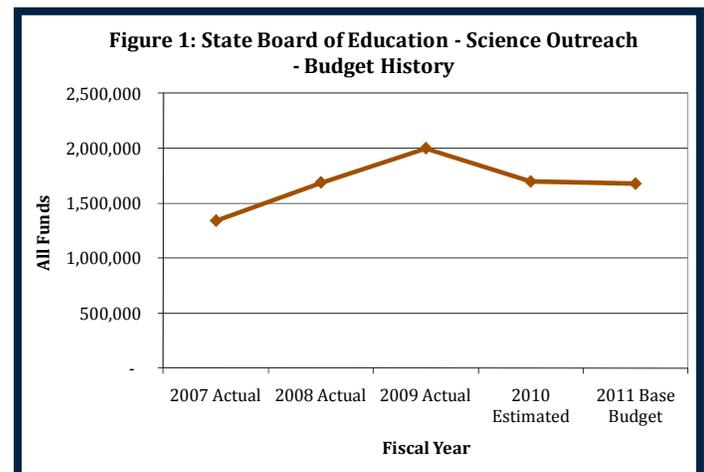
The FY 2010 appropriation for Science Outreach programs totals \$1.7 million. Senate Bill 1, State Agency and Higher Education Base Budget (2010 General Session) includes a 98 percent base budget of \$1,675,500. The budget table on Page 3 provides additional detail on the budget. Similarly, Figure 1 shows the history of Science Outreach appropriations since FY 2007.

Figure 2 provides additional detail by participating organization. This table is slightly different than the Budget Detail Table on Page 3; it begins with the original FY 2009 appropriation. The other columns show changes made during the 2009 General Session, ending with the FY 2010 appropriation.

The allocations by organization in Figure 2 are estimates based on an equitable distribution of budget reductions across participating organizations. Actual contract amounts may be slightly different.

#### *Funding Match*

Each participating organization matches state revenues appropriated for educational outreach programs. Organizations generally match the state appropriation with funds from private organization sponsors or grants. Historically, these private donations contributed approximately 65 percent towards the cost of education outreach programs with the state appropriation making up the remaining 35 percent.



**Figure 2: Science Outreach - Estimated Allocations by Participating Organizations**

FY 2009 Original to FY 2010 Appropriated with Percent Change

	FY 2009 Original	FY 2009 Revised	% Chg.	FY 2010 Appropriated	% Chg.
<b>iSEE - Science Education Outreach</b>					
Clark Planetarium	\$530,100	\$501,000	-5%	\$463,000	-8%
Discovery Gateway	109,100	103,100	-5%	95,300	-8%
The Living Planet Aquarium	121,100	114,500	-5%	105,800	-8%
Red Butte Garden & Arboretum	161,100	152,300	-5%	140,700	-8%
Utah Museum of Natural History	338,000	319,500	-5%	295,300	-8%
Utah Science Center	220,000	208,000	-5%	192,200	-8%
<b>Subtotal</b>	<b>\$1,479,400</b>	<b>\$1,398,400</b>	<b>-5%</b>	<b>\$1,292,300</b>	<b>-8%</b>
<b>Science Education Enhancement</b>	430,000	430,000	0%	417,100	-3%
<b>Science Outreach - RFP Program</b>	180,000	180,000	0%	0	-100%
<b>Science Outreach Total</b>	<b>\$2,089,400</b>	<b>\$2,008,400</b>	<b>-4%</b>	<b>\$1,709,400</b>	<b>-15%</b>

Source: Office of the Legislative Fiscal Analyst. Based on FY 2009 original allocations by participating organization. Changes in FY 2009 Revised and FY 2010 Appropriated are based on a proportional distribution or specific actions taken by the Legislature during the 2009 General Session. Actual FY 2010 allocations may vary.

## **OVERVIEW OF PROGRAMS**

iSEE is the largest of the three programs, these organizations have fully developed statewide educational outreach programs and each organization receives an ongoing allocation of state funds. These funding levels and program participation are evaluated every four years. Currently, six professional organizations participate in the iSEE program, including: the Clark Planetarium, Discovery Gateway, the Living Planet Aquarium, Red Butte Gardens, the Utah Museum of Natural History, and Utah Science Center.

The Science Enhancement program was created during the 2006 General Session. The program provides additional resources to iSEE outreach organizations to expand their programs in order to reach more students and teachers. Organizations are required to apply for funding and demonstrate the additive nature (in terms of students/teachers served) of their programs. This program is largely a teacher-resource program that provides professional development opportunities for science educators.

The RFP program enables smaller, more regional, professional organizations to participate in science education delivery. These programs participate in the RFP to develop educational programs geared to the state core curriculum, expand to provide statewide outreach, and once established receive ongoing funding by becoming a service provider in the iSEE program. Ongoing funding for the RFP program was eliminated in FY 2010.

**BUDGET DETAIL TABLE**

State Board of Education - Science Outreach						
Sources of Finance	FY 2009 Actual	FY 2010 Appropriated	Changes	FY 2010 Revised	Changes	FY 2011* Base Budget
Uniform School Fund	1,807,400	1,695,500	0	1,695,500	(33,900)	1,661,600
Uniform School Fund, One-time	187,100	0	0	0	0	0
Beginning Nonlapsing	14,000	13,900	(3,500)	10,400	3,500	13,900
Closing Nonlapsing	(10,400)	0	(10,400)	(10,400)	10,400	0
<b>Total</b>	<b>\$1,998,100</b>	<b>\$1,709,400</b>	<b>(\$13,900)</b>	<b>\$1,695,500</b>	<b>(\$20,000)</b>	<b>\$1,675,500</b>
<b>Programs</b>						
Informal Science Education Enhanc	1,388,100	1,292,300	(13,900)	1,278,400	(11,700)	1,266,700
Requests for Proposals	180,000	0	0	0	0	0
Science Enhancement	430,000	417,100	0	417,100	(8,300)	408,800
<b>Total</b>	<b>\$1,998,100</b>	<b>\$1,709,400</b>	<b>(\$13,900)</b>	<b>\$1,695,500</b>	<b>(\$20,000)</b>	<b>\$1,675,500</b>
<b>Categories of Expenditure</b>						
Other Charges/Pass Thru	1,998,100	1,709,400	(13,900)	1,695,500	(20,000)	1,675,500
<b>Total</b>	<b>\$1,998,100</b>	<b>\$1,709,400</b>	<b>(\$13,900)</b>	<b>\$1,695,500</b>	<b>(\$20,000)</b>	<b>\$1,675,500</b>

\*Does not include amounts in excess of subcommittee's state fund allocation that may be recommended by the Fiscal Analyst.