



## 2009-2010 Grant Summary

### Lincoln-Sudbury Regional High School

- \$4309 **Purchase and Install SMART Board in Mathematics Classroom** - Helen Sotiriou  
Install an interactive electronic whiteboard (SMART Board) for daily use in a math classroom, not limited to any course or grade. Currently, one Board is being used by four math teachers for seven math sections. The additional SMART Board will allow more students to benefit from the technology.
- \$4017 **Integrating SMART Technology and World Language Instruction** – Cristina Gonzalez, Stefan Dinescu, Jorge Allen  
Provide a SMART Board for the World Languages Department. Will primarily be used in the “Practical Applications of Language” course that provides different approaches of language study for students who have had difficulty learning a foreign language with traditional methods. PAL is a project-based course focusing on an oral approach with less attention to written language. The course is also taught together with the Special Education department.
- \$3494 **Vernier Equipment** - Carol Lewis, Anita Honkonen, Samantha Parker  
Funds new equipment for Earth Science, Chemistry and Physics classes. Students will learn how to use computer-based sensor technology to obtain, manipulate and analyze data in numerous labs. Initially, about 500 students will use the equipment, and more teachers will incorporate it into their classes as the curriculum is expanded. Will fund equipment such as colorimeters, pressure and light sensors, conductivity probes, microphones, light gates and Vernier resource books. Will also include teacher time for equipment set-up, training and piloting, and troubleshooting new labs. Lack of departmental funds has prohibited purchase of this equipment until now.
- \$2400 **Professional Development Counseling Department** - John Flynn  
Funds three professional development workshops for house counselors, clinicians, school psychologists, housemasters and nurses with a medical doctor and clinical consultant on how to troubleshoot challenging cases. The knowledge acquired will allow participants to continue to foster a climate of psychological and emotional support for all students, especially toward high risk students.
- \$750 **Making Films in the World Language Classroom** – Jorge Allen, Silvana Stephen  
Provides FlipVideo cameras for video projects to be incorporated into curriculum of fourth and fifth year world language courses. Gives students opportunity to improve their presentation skills in another language, demonstrate language mastery beyond sentence level, raise confidence in speaking and performing in the language, and learn video filming and editing technology.
- \$750 **Rock Climbing Workshop on Safety/Technical Skills** – Greg Gammons  
Will provide a three hour workshop by climbing consultant on technical climbing, progressive learning techniques and safety to improve the current wellness curriculum.
- \$700 **METCO SAT Study Course** – Toni Benhaim, Nicole Stewart  
Will provide a basic SAT prep course to juniors in the METCO program. Four one hour classes will provide an overview covering sections on Essay Writing, Grammar, Critical Reading and Math. Classes will review requirements for each section, strategies and review of specific questions and answers. Instructor will provide a packet that can be used again in future years. A METCO staff member will probably take over teaching after initial year.
- \$699 **Mimio Interactive** – Bouke Noordzij  
Funds one *mimio Interactive & Capture Kit* for use in a math classroom. Mounts on classroom whiteboard and is paired with existing mounted projector. Allows whiteboard to become interactive and saves and shares notations. This system will be tested and compared for effectiveness to the SMART Board as a less expensive alternative.
- \$320 **TESOL Conference** – Sarah Hogan  
Funds attendance for an ELL teacher to the National TESOL Conference for English as a Second Language in Boston, Spring 2010.



## 2009-2010 Grant Summary

### District-Wide Benefiting All K-8 Schools

- \$5000 **Educational Video in the Classroom – FSC Flip Video** – Donna Criswell  
Provides teachers with FlipVideo cameras who enroll in online course on educational video in the classroom run by Framingham State College graduate program. Developed by Technology Curriculum Specialist, Donna Criswell, this course is offered only to Sudbury teachers. Teachers will learn the benefits of incorporating video into their teaching and students' learning, and how to integrate with ActivBoard technology.
- \$3500 **Supporting Students' Mental Health in our Schools** – Karen Blumberg, Melinda O'Neill, Chris Hardiman, Ivar Henningson  
Funds development of a School Mental Health Project for Sudbury Public Schools K-8 that includes a five part workshop series designed for parents and a five part workshop series for staff. Topics will include grief, divorce, anxiety, strategies for reducing stress and fostering positive social and emotional skills.

### Curtis Middle School

- \$2200 **Implementing a Student Assistance Team** - Betsy Grams, Chris Hardiman, Jennifer Vlacovsky  
Funds a middle school Student Assistance Team (STAT) to address substance use at the middle school level. The group will include teachers, counselors and nursing staff trained to intervene with students who are using or abusing alcohol or substances. Will complement program at the high school.
- \$1397 **Expansion of Eighth Grade English Language Arts Civil War Unit** – Jan Binus, Christine Carosella, Kellie Chavero, Gary Grasse  
In 2002-03 eighth grade ELA and Social Studies teachers received a SERF grant to create an interdisciplinary Civil War unit. This grant funds purchase of a fourth novel, *March Toward the Thunder*, to expand the current unit and for lesson plans and activities related to the novel and their objectives for using it in language arts class.
- \$1198 **Geography Alive! Regions and People** - Robin Sallèse  
Purchases the Geography Alive! Regions and People program as a resource to enrich the sixth grade textbook. Program includes labs, case studies, problem solving and writing exercises. Benefits all sixth grade geography students whose teachers choose to use any or all of these resources.
- \$748 **Middle School Math Enrichment** – Joy Cooke, Julie Schoenfeld, Michelle Shenton  
Provides each math teacher at middle school with organized collection of extension and enrichment materials, collated to study units in the core curriculum for each grade level. Two teachers will work with math curriculum specialist to search range of resources, identify appropriate problems and activities, determine order and unit correlation, and compile binder of materials for each grade. Binder will be reproduced and distributed to all math teachers at middle school. Also includes two classroom memberships to *The Math Forum @Drexel University*.
- \$732 **Measuring the World Around You** – Michal Mueller, Julie Walker  
A program to integrate environmental education into the existing Metric Measurement Unit. Students will apply basic metric measurement skills to field work using nearby conservation land. They will perform data collection, analysis and graphing. Ideas will be shared with 7<sup>th</sup> grade science colleagues during curriculum planning time.



## 2009-2010 Grant Summary

### District-Wide Benefiting All Elementary (K-5) Schools

\$6100 **First Grade Lending Library/Early Literacy Skill Reinforcement** – Susan Laufer, Maria Papetti, Elizabeth Richter, Kathy Zito

A lending library will be created in each of the district's first grade classrooms with a variety of leveled texts. Ensures a consistent opportunity for all first graders to practice reading skills with independent level books district-wide. Books will be taken home in Ziploc bags with a folder with reading log and response sheet. A complementary set of books will also be stored in each classroom.

\$5622 **Challenging Young Mathematicians** – Jeffrey Dees, Annette Doyle, Joni Jay, Kim Swain

This grant will expand the repertoire of math enrichment materials for grade one and provide after school professional growth opportunities for teachers in grades one and two on how to implement new and existing math enrichment resources. Up to 45 grade one and two teachers and assistants will be invited to attend seven two-hour sessions, potentially impacting 650 students.

\$5250 **ALEKS: Individualized Math Software Intervention Pilot** – Principals of all elementary schools

Pilots the use of web-based ALEKS software for SPS students in grades 3-5 who have gaps in their mathematical knowledge. Each school will develop a plan for the use of the software based on technology resources available in that school. Software may be used in the classroom as a learning station, in computer lab during a regular class, in mobile labs, or in computer lab or library with a staff member. Students may also log on at home or at the public library.

\$4496 **The Study of Immigration in America** – Grade 4 – Karen Mccarthy, Shannon Famigletti, Katie Carpenter, Jeffrey Kotkin

Funds development of 4<sup>th</sup> grade in-depth unit on immigration in America that can be provided to all 4<sup>th</sup> grade teachers in the district. This unit will enhance the 4<sup>th</sup> grade curriculum, better address the relevant standards in the Massachusetts Frameworks, and bring depth, consistency and best practice to what is currently being taught around immigration.

\$750 **National Council of Teachers of Mathematics (NCTM) Regional Conference** – Joy Cooke, Robert Milley

Funded registration of five teachers for the NCTM Regional Conference and Exposition, October, 2009 Boston. This national conference offers a range of professional development opportunities including sessions on teaching, assessment, differentiation and exploration of current research and resources in mathematics education. Teachers from three elementary schools attended.



## 2009-2010 Grant Summary

### Haynes Elementary

\$2250 **Science Club Pilot Project** – Daniel Garrigan-Byerly

Funds pilot of science club at Haynes. If successful, could be added to other schools. The club will meet once a week for 8 weeks, for 2 groups. Will include a teacher-led demonstration focusing on the work or discovery of a featured scientist. Activities will include experiments and hands on activities that explore the initial concept further. Local scientists from the community will be invited for brief demonstrations or presentations.

\$741 **Curriculum Chorus** – Emily Dolan, Jeanmarie Skahan

Fourth grade students will learn five or six songs related to the curriculum. Songs will be taught each week during a designated chorus time and then will be performed for the school and parents. Each song will also have an introduction written by the grant writers and spoken by the students.

### Nixon Elementary

\$657 **Professional Development Using the Continuum of Literacy Learning** – Jennifer Faber, Ellie Garvey  
Three members of the Kindergarten team will attend a workshop that will introduce the Continuum of Literacy Learning manual, a resource guide initially supported by a SERF grant. Topics include: what children need to learn at specific reading and writing levels, how to help them process written texts with understanding, and how to plan for individual, small group and whole group instruction.

### Loring Elementary

\$500 **Literary Lunches** – Gail Keene, David Leong

Funds a read-aloud program during student lunch periods. Initially, fifth grade students will be offered the opportunity to listen to high quality literature in an informal read-aloud setting. Staff will be trained in read-aloud and storytelling skills by Simmons College faculty member Michael Sullivan, a writer and illustrator of children's books. Other funds will be used to buy books dedicated to this project.

### Peter Noyes Elementary

\$3300 **Sensory Diet Resources for Self-Regulation** – Jennifer Neville, Catherine McNeil

Provides for consultant to train and raise staff awareness of students' sensory diet needs. Also provides resources for teachers to have information and tools to give children strategies for the sensory feedback they need in order to be as attentive and focused as possible.

\$2500 **Changing Families, Changing Schools** – Annette Doyle

Dr. Rob Evans, author of *Family Matters: How Schools Can Cope with the Crisis in Childrearing*, will speak to staff of Noyes and potentially other SPS schools, about the family-school connection and the responsibilities each party shares in working with children today. Will also offer an evening presentation for parents.

\$649 **A World of Music** – Michael Gorgone

Funds books and CDs on multicultural music.

\$214 **Literacy: Bridging the Gap between Hyperlexia and Comprehension** – Elizabeth Richter, Linda Dube

Funds purchase of 13 copies of *A Land We Can Share: Teaching Literacy to Children with Autism* by Paula Kluth and Kelly Chandler-Olcott. Will provide a common background of information and knowledge for a group of teachers/specialists. This research will increase strategies and effective teaching methods in the area of autistic children, helping them to reach their full potential.