



**2009-2010
Project List
(Anglophone sector)**

TIER 2

District 2

Writing Naturally; Joel Fogarty; Riverview High School, District 2 (\$19,587)

Outdoor Pursuits is an excellent course for those students who learn by doing and experiencing the outdoors. This project will enhance students' motivation to write because of the authentic nature of the tasks. During this project, Outdoor Pursuits 110 students will experience a series of adventures including hiking, caving, canoeing and climbing. All involved will document, describe, and debrief orally and in writing their experiences on paper that will be signed by dirty fingerprints on rain-stained paper. Students will develop resiliency through the quality writing time afforded them on extended trips. They will be fired up to write about the story they are living at the moment.

The Green Economy: Using Skilled Trades and Technology Education to Prepare Students for the Future; Zachary Vanthournout; Tantramar Regional High School, District 2 (\$19,753)

Grades 11 and 12 Skilled Trade and Technology Education students will learn to deploy and use technologies such as small scale wind turbines and solar panels to store energy which they will then use to power a small electric go-kart type vehicle, commonly used in what are known as "Electrathons." During this authentic learning experience, students will have the opportunity to become leaders by finding transportation solutions for the post-oil or "Green Economy."

District 6

Literacy and Learning in the 3-D Web; Sandra Mitchell; Kennebecasis Valley High School, District 6 (\$16,389)

This innovative, cross-curricular project will improve writing competencies by providing a sustained practice in authentic writing outside of the English Language Arts classroom. Art and Technology are used as writing incentive for CAD 110 and IT 120 students from Moncton High School, and grade 9 and 10 Art students from Kennebecasis Valley High School. Over three semesters they will regularly write in collaboration to describe and build a virtual art gallery. Using technology and art skills they will build a three dimensional environment. The product is a virtual art gallery and the beginning of New Brunswick Education's first virtual world.



District 10

Literacy Comes in Cans; Jo-Ann Schwarze; Blacks Harbour School, District 10 (\$14,413)

In this project, Blacks Harbour School will partner with Connors Brothers to involve students in innovative learning projects designed to motivate and excite them in the areas of reading and writing. Using the Connors CAN logo and Connors volunteers, all students K-3 will participate in a multi-aged, multi-leveled program centering on the “CAN” theme – we CAN read at grade level, we CAN get published; we CAN make reading and writing fun.

Math Masters; Kelly Malloy; St. Stephen Elementary School, District 10 (\$16,660)

This project is designed to provide students with the essential skill, basic fact mastery and increase their motivation/interest in mathematics. The focus will be on effective instruction of the Mathematics Curriculum for grade three. Teachers will collaborate to develop a variety of teaching and learning aids to meet the needs of all students. This includes not only differentiated instruction at grade level but also modification, accommodation and enrichment.

Science Enrichment; Kevin Young; St. Stephen High School, District 10 (\$20,000)

Enrichment of student interest in Science relies on hands on experiences found outside the classroom. Students require exposure to community science facilities, career opportunities and local ongoing science projects. This program enables small groups of students from different schools to explore and expand their interests in Science. They will have the opportunities to learn about modern technologies being used in real life local projects. Students will develop collaboration and problem solving skills while working with peers from other schools. Together they will learn about curriculum outcomes and community stewardship by applying their newly developed skills and knowledge.

District 14

Word Work; Julie Acott; District 14 office (\$5,647)

This project will develop a resource which will be used by Literacy Lead teachers, Resource and Methods teachers and/or classroom teachers to help struggling students in Grades 1 and 2 gain the knowledge and skills necessary to become good encoders and decoders of words. It will include a series of lessons focused on working with the primary sounds in the English language and teaching students how the sounds are represented by letters for reading and writing.



Enhancing Students' Writing by Using Picture Books as Models; Jeannine Clark; Nackawic Elementary School, District 14 (\$13,349)

Writing abilities of upper elementary students improves by connecting reading to writing. In this literacy project, teachers will learn how picture books are good models for writing. Reading like a writer and analyzing text will help students use memorable language, mood, voice, authentic dialogue, strong beginnings and endings to enhance their writing. Individual and small group thinking focuses will engage students in learning. Sharing their ideas, responses and questions as they examine texts will deepen their understanding of the craft of writing.

Lyrical Language; Sandra Langdon; Millville Elementary School, District 14 (\$14,863)

This project uses children's literature and music exploration as a catalyst for improving writing. Music specialists develop sound awareness in students and teach them how this can be used to communicate ideas, mood, personality and how to evoke reaction and suggest images. Vocabulary describing sound qualities will be used in student writing. All K-5 students will employ critical thinking skills in this multi-sensory, differentiated approach to writing as they read and interpret text, analyze story characters and expand these by composing text and music to define characters musically. Hands-on activities relating text and musical compositions help students engage in learning tasks that will stimulate their imaginations and develop sensory images to use when writing.

microscopic habitats; Suzanne Larsen; Debec Elementary School, District 14 (\$9,985)

Part of the grade 4 science program focuses on the concept of habitats. Multiple habitats such as deserts, forests and grasslands, are studied. In this project, students will be provided with an enriched habitat that re-engages them in the habitat unit. This goal will be achieved through guided lessons wherein students learn microscope skills, which they will then use as they study samples collected from local streams and fields to discover the diversity within larger habitats.

Improving Comprehension Using Non-Fiction Read Alouds across the Content Areas; Marilyn Tranquilla; District 14 office (\$14,946)

Using non-fiction Read Alouds across the content areas helps develop and improve literacy skills in science, social studies, and health. In this literacy project, teachers will learn how to use Read Alouds to model the comprehension strategies that proficient readers use. Students will be engaged in the learning process by being given a thinking focus before, during and after the Read Aloud. Sharing their ideas, responses and questioning with peers will deepen their understanding. The aim is for students to apply the comprehension strategies in their independent reading across the content areas.



Math for the Trades; Nicole Giberson; Woodstock High School, District 14 (\$8,377)

The purpose of this project is to better prepare students who have a strong interest in continuing their education in the trades. This project will involve learning math and then applying it in a practical manner. Community partnerships will give the students a one on one mentor for the duration of the course, which in return will better prepare the students.

Chemical and Biological Analysis of Agricultural Soils in Victoria County; Chris McLaughlin; Southern Victoria High School, District 14 (\$5,315)

Chemical and biological analysis of soils at the university and private sector level involve using electronic sensors for collecting various chemical and physical measurements such as temperature, mineral concentration and pH. Data collected from measurements are mathematically analyzed with scientific calculators and computers. Students at Southern Victoria High School will be offered a new course called Science 122. As part of this course, students will use sensors to determine pH, temperature, percent moisture, organic matter and mineral concentrations of agricultural soils.

District 15

Portable technology/literacy centre; Jennifer Vienneau; Superior Middle School, District 15 (\$14,319)

This technology based literacy project will benefit both gifted and struggling students at Superior Middle School. Through the use of student produced movies, students will become active participants in the learning process. The traditional pencil and paper approach to literacy learning will be substituted by an innovative technological approach. This approach is hands on and sure to engross students in their learning.

District 16

Celebrate Miramichi! Be in this place. Believe in this place. Muriel MacCullam; Millerton Elementary & Junior High School, District 16 (\$19,900)

This comprehensive project will be a concerted effort on behalf of the teachers, administration, community schools coordinator and the community to provide an enriching and motivating method to improve students' literacy skills. Celebrate Miramichi is a unique learning project that will teach and celebrate literacy through exploration of the community and its various cultures. This project will target grades 6 and 7 students who are struggling in the areas of reading, writing and research. The students will embrace this "differentiated" activity-based project as they delve into the region's history and discover their own rich culture. Celebrate Miramichi is designed to be an extension of the Language Arts class, delivered through cross-curricular activities in Social Studies.



District 17

Write on! Erma Brian; Oromocto High School, District 17 (\$20,000)

This is a literacy project that will help students develop a passion for reading and writing. By combining two youth relevant mediums, namely technology and social networking, the aim will be to address the literacy needs of students, who may struggle with interpreting written text along with their reluctant reading peers, who may lack strategies for understanding text. A technology centre, writing centre and reading centre will be set up to provide a unique model for reading and sharing interpretation, strategies and original material in a blog format. Students will participate in creating helpful hints for reading and interpreting text that will be displayed on our district portal, school website and used as a sharable learning resource. A goal of this project is to have students sharing thoughts, reading strategies and interpretation of text with their peers.

Boys Will Be Boy Writers; Mary Holyoke; Lower Lincoln Elementary School, District 17 (\$19,223)

In this ILF project, a highly motivating writing environment will be created where boys will feel comfortable, engaged and most importantly, excited to write. With the help of innovative software programs, the project will help increase the quantity of work being written by both struggling and gifted students, boys and girls, in order to improve the quality of the work being produced. Since the school is relatively small, which limits the variety of peer feedback, the students will also benefit from connecting on a regular basis with a wider audience outside the school, through a Wikispace and by creating story podcasts of their original work.

Building Literacy Leadership Capacity; Jill Davidson; District 17 office (\$19,998)

Current research reveals that students exposed to the strongest teaching practice experience the greatest success. Since speaking, listening, reading, viewing, writing and representing are the foundations for all learning, building school-based literacy leadership capacity is crucial in positively impacting teacher learning and implementation of the most effective literacy-based practices, thereby creating classroom environments that lead to student success. By training literacy leaders within schools across District 17, this project will create a cultural shift that promotes self-directed learning among educators.

The Eagle's Nest; Catherine Blaney; Gagetown School, District 17 (\$18,634)

All staff and students are encouraged to become life-long learners. To support this philosophy, Gagetown School will transform the library into the learning hub of the school. This room will house current resources for both student and staff. Teachers will gather to reflect on practice, research new ideas and report on successes. Students will have the necessary resources that compliment the teachers' instruction, a room to gather to share ideas and an opportunity to learn in an inviting environment. Together the students and staff will take control of their learning to increase student achievement.



Real Resources for Real Students; Wendy Peters; Geary Elementary School, District 17 (\$12,174)

This ILF project will see students improve their reading and writing abilities in their second language by creating authentic online book resources for the Intensive French Program. Dr. Joan Netten, co-founder of the Intensive French program, will work with teachers and students in their creations, so that book content is level appropriate for the grade five Intensive French program. The paper based books created by the students will be digitized and web-based with an option to read or listen to the story. This project will also create a valuable resource that will help prepare students for their Intensive French assessment at the end of their block, thus providing an authentic situation, with a real purpose.

Fixing Mathematics Misconceptions for K-5; Paula Dunnett; Geary Elementary School, District 17 (\$19,596)

This two-year project will deliver a Numeracy-based program that will meet all students' needs by encouraging a more hands-on and interactive learning environment. With the implementation of First Steps in Mathematics (diagnostic assessment tools) and technology students will move through the developmental stages of their learning with a concrete understanding of concepts.

Using Technology to Promote Higher Order Thinking in the Physics and Chemistry Labs; Susan Watson; Oromocto High School, District 17 (\$16,154)

This project involves the introduction of the PASCO GLX sensors and software into the Physics and Chemistry laboratories. The use of the PASCO sensors and software will enhance student's skills in problem-solving and collecting, analyzing and presenting data. The ability to collect and present data quickly allows for an increased number of lab activities to occur and more time spent on acquiring an understanding of what the data means. Experiential learning motivates students to take ownership of the subject they are studying. This project includes participation in lab activities at the UNB Chemistry Department. University-bound students, struggling readers and gifted students will benefit from this technology and the exposure to real-life applications of laboratory activities.

District 18

What's Up Doc? Philip Sexsmith; District 18 office (\$19,001)

This project will motivate students to become literate independent learners and critical thinkers through a unique model of differentiated instruction that places students at the core of curriculum. Using the format of student-created High Definition documentary, students will select topics that impact them personally. In groups they will research, script, storyboard, film, score, and edit a documentary. Every strand of the curriculum will be integrated by a project that will generate the motivation that has been missing from these students' educational experience. Students will find themselves at the centre of an enriched process of discovery and storytelling.



Motivating an Appreciation of Literature: A Differential Approach; Melissa Wilson-Smith; Harvey High School, District 18 (\$19,500)

A new and innovative approach to Language Arts is being embarked at Harvey High School. Through this project students will be motivated to find the drive required to want to learn. This will be accomplished by integrating art, music, and technology into our daily language arts curriculum with double blocks of language arts time. As a language arts team, all six language arts classes at the school will follow three specific modules over the course of the school year, developed specifically for each grade level including: graphic novel literature circles, graphic novel creation using ComicLife, and claymation.

Franco monde: authentic literacy experience for Middle School French Immersion students; Lise Martin-Keilty; George Street Middle School, District 18 (\$13,059)

This project will assess the impact of participating in an international virtual learning community of their peers on French Immersion students. The grade 8 students will be part of the Global Teenager Project. They will be grouped in learning circles with French speaking classes from Canada, Europe, Africa and the Middle East. Each group will pose a research-based question of their peers and will respond to similar questions. Questions are based on the theme of the learning circle. Students work together to plan, implement, research and evaluate their work with other teens, which has a real-world application beyond their classroom. They communicate using a variety of technologies and develop various forms of literacy skills: reading, oral, written, digital, media and critical literacy skills.

Reading Runway; Chris Piers; Devon Middle School, District 18 (\$14,640)

Over half the students at Devon Middle School are reading below grade level. This ILF project is going to change that by convincing parents to take an active role in their children's reading education. The resources, support, and technical expertise necessary will be provided for parents and students to come together to read. Once parents and students agree to participate their activities will be monitored on a daily basis and their success evaluated on a monthly basis. Also, throughout this project, students will produce podcast versions of their favorite books. A library of podcast books will be created to share with classmates and other schools across the province.

Life Chronicles: A Portable Approach to Differentiated Literacy Centres; Julia Parra; Harvey High School, District 18 (\$19,984)

To motivate students and improve literacy results at Harvey High School, Grade 7 students will write their own memoirs. Through the study of memoirs students will meet targeted curricular outcomes, as well as move "beyond personal experience narratives and into the realm of memoirs". Within this project students will become familiar with "the memoir" through exemplars using an assortment of innovative and assistive technologies. After having gained an understanding for the significance and meaning of memoirs, students will create their own based upon a meaningful event. The end product will be a published book containing each student's polished memoir.



Enrichment Library for Gifted Students; Heather Ingalls; Albert Street Middle School, District 18 (\$16,305)

Engaging and inspiring gifted students in grade 8 will be the focus of the Enrichment Library. With research topics varying from local artists, writers, like Caleb Marshall and Sheree Fitch, to poets like Bliss Carman and Robert Gibbs, to musicians like Tania Breen and Michael Doherty, students develop skills to produce the end project of choice; such as a graphic novel, music, poetry, movie, or parody. Maximizing and creating more enrichment time, literacy scores will increase for grade 8 students already above grade level at least one grade level, through interviews, research, graphic illustrations, forms of text, presentations and discussions.

Creating a Classroom Culture that Fosters Reading Motivation; Beth Henderson; Leo Hayes High School, District 18 (\$12,859)

To better encourage students to read from a variety of genres we the reading wheel concept will be introduced, which promotes variety in student reading. Each student must read from an assigned category list of books, short stories, essays, magazine articles, etc. The student can choose what to read within a category but must, at some point during the year, read at least one item from each of the assigned categories or genres. This ensures that students will read varied types of literature. The students will use an online wiki to keep track of the various types of reading that they do throughout the year as well as post reviews for other students.

About our School: Improving literacy through music and art; Illyana Vermeersch; Fredericton High School, District 18 (\$17,543)

In this project, students will and improve their reading and writing skills by developing a student's survival guide. This cross-curricular project is directed at grade 10 and 11 music students, and grade 11 graphic art and design students at Fredericton High School. About our School will take place over one school semester within a music class setting and the graphics computer lab. This project will enhance literacy based skills, and increase the students' level of literacy using writing, musical composition and visual graphic designs and/or animation.



My Name is Earl! - The Right Road to Research; Robyn Allaby; Fredericton High School, District 18 (\$19,954)

This project introduces EARL – Electronic Assisted Research Learning and partners grade 12 students at Fredericton High School with the York Regional and Harriet Irving Libraries, and the UNB Faculty of Education with the objective of teaching students how to become “Smart Learners”. The goal is twofold: • to bridge the E-Gap from high school study to post secondary academic research. Students will jump into the “E-Zone” layer of learning conducting effective searches. They will learn how to access and validate research data, learn how to distinguish what is credible and of value, separate what is relevant, opinion, conjecture or widely but falsely-held belief and to detect bias. Students will assemble and construct information and understanding through discovery by actively participating in the journey.

Mastering Interactive Multiplication Centres; Denise Dorcas; Royal Road School, District 18 (\$4,459)

Children who are having difficulty mastering multiplication facts need to be engaged in exciting, meaningful learning opportunities on a regular basis to improve their skill, attitude and motivation to learn multiplication facts. This project will enable students struggling to recognize and recall multiplication facts to improve through participation in learning centres, giving them the opportunity to engage and work at meaningful, cooperative-interactive, hands on 'multiplication learning centres' using smart software math programs, card, dice, board games and math manipulatives. They will work on and solve simple multiplication problems. These learning centres will give students the time and opportunity to engage in a cooperative learning style while participating in meaningful multiplication learning centres with their peers.

Math Detectives; Jennifer Miller; Montgomery Street School, District 18 (\$6,449)

This project will teach students about the usefulness of math in their daily lives. Through various field trips, kindergarten students will view and experience real life applications of math. In this project, students will be seen as detectives and they will be responsible for finding math on field trips to the local grocery store, hospital, bank, etc. If students learn at a young age why math is valuable and essentially, it will sustain their motivation for learning about math for years to come.

SPROCKETS - Smart PROjects Communicating Knowledge & Enriched Technology Skills; Carl Legere; George Street Middle School, District 18 (\$12,491)

SPROCKETS will allow students the opportunity to create a series of computer Math tutorials specific to the Number Sense and Operations strand of the Grade 7 curriculum. The focus group for the initial phase of this project is enriched students that need a creative way to present what they know and what they've learned. The focus group of the latter phase would be the students that require remediation or extra support to attain appropriate development or mastery of the curriculum outcomes.



Math Skills Lab; Heather Lange; Fredericton High School, District 18 (\$5,459)

Currently mathematics is being explained and displayed in a one-way communicative effort: teachers to students. Examples are being copied down. Students don't always get a chance to have their work assessed. The Math Skills Lab will change the way students practice math. They will have opportunities to explore concepts of their own choice using a medium they are familiar with. Some students need more one-on-one instruction, some need self-directed exploring, and some need to be challenged beyond the typical text book questions. Some students who struggle with literacy will have extra practice in math literacy comprehension. A Math Skills Lab lends itself to these students.

The Solution for Solutions; Kimberly Lightfoot; Leo Hayes High School, District 18 (\$19,997)

Chemistry 111 students at Leo Hayes High School will work in teams to investigate and solve real life analytical Chemistry problems; such as which soft drink has the highest concentration of caffeine or which toothpaste has the highest concentration of fluoride? Problem based learning, using a scientific inquiry approach, will be used in order to gain the knowledge and understanding of required curriculum outcomes and to develop critical thinking skills, problem-solving skills and research skills. Students will conduct themselves as real-life chemists and will receive training from a variety of real life Chemists. The teams will then do background research and write a project proposal, where they will identify and outline the skills and knowledge required in order to solve the problem, including a plan to successfully complete the project.

Exploring our Ecosystems; Susan Tallon; Albert Street Middle School, District 18 (\$14,397)

In this ILF project, students will discuss the anticipated development of the University of New Brunswick woodlot. In recent months, the woodlot has been under careful scrutiny for new development. Based on curriculum outcomes in the ecosystems unit, grade 7 students will collect data using both traditional and new technologies and engage in the three processes of inquiry, problem solving and decision-making. They will learn about environmental protection, development and regulations with the help of local area government officials and conservationists, and how modern infrastructure and the delicate balance of our green space can co-exist.

A Shared Environment; Karla Roy; Park Street School, District 18 (\$17,740)

Students in Grades 1 and 4 will have the opportunities to work and investigate from real life opportunities and will be able to develop projects based on their observations, investigations and findings into projects that are differentiated from the use of technology. Students will have the opportunities to collaborate and share their knowledge while learning about different habitats and the environment with one another. Students will become interested and enthusiastic about Science and this will increase the level of learning. This will increase the grade 6 provincial assessment scores for these students.



Probing the Soils of the Valley Lowlands Ecodistrict; Leah Bidlake; Harvey High School, District 18
(\$10,413)

This project involves the study of soils samples taken from multiple locations within the Valley Lowlands Ecodistrict. Data will be collected using soil sensors for moisture, pH, dissolved oxygen and flow rate, and ion selective electrodes for ammonia and nitrate. Students will analyze the data obtained with the sensors using LabView software and laptops. Through the analyses of samples over time students will be able to detect any changes that may have been caused by agriculture or other human activities.