



2008-2009: A Summary

Mission

We are a partnership dedicated to supporting the elementary school science program and teachers who inspire knowledgeable, creative, and responsible students.

Vision

A better world through “Hands-on, Minds-on” science education.

Focus Areas

- ✦ Science Kits ✦ Adopt-a-Scientist Volunteer Program ✦ Innovative Science Support Linking School and Community ✦ Partners ✦ Science Resource Centres

Key Achievements 2007-2008

- SEP science kits were used 1,313 times, directly impacting over 22,000 students.
- Four new science units were created: Grade 1 *Energy*, Grade 3 *Plants*, Grade 4 *Pulleys and Gears*, and Grade 6 *Flight*. Sixteen copies of each will be in circulation in the fall of 2009.
- Curriculum teams continued to search for new materials to close gaps in existing science kits so they more closely match the Revised Science and Technology Curriculum which was released in December 2007.
- A new, virtual element was added to the SEP webpage featuring a short video clip that demonstrates to teachers the use of the Grade 8 *Cells* science kit.
- Adopt-a-Scientist Volunteer help was requested 115 times by 73 teachers in 37 different schools. Sixteen volunteers filled these requests. A new Grade 5 *Matter* demonstration was developed and tested in several classrooms.
- Thirty five classrooms, totaling an estimated 1050 students, participated in the *Engineering Week*, “Engineer for a Day” activity presented by thirteen local volunteers from the Professional Engineers of Ontario. The well-attended culminating bridge testing session was held at Lambton College and garnered full page coverage in the local paper. This activity involves the most students in one project province-wide.
- Promotional activities were organized, including an SEP information booth at both the Sarnia-Lambton and the Chatham-Kent Regional Science Fairs. A science activity booth was set up and run by Adopt-a-Scientist Volunteers at the City of Sarnia children’s festival, “Kids Fun Fest”.



Looking Ahead to 2009-2010

In 2009-2010, the Science Education Partnership looks forward to its seventeenth year of providing teachers and students with the resources required for “Hands-on, Minds-on” science education.

The curriculum teams will be developing two new science units and will continue to embrace the challenge of aligning all SEP resources and programs with the Revised Ontario Science and Technology Curriculum. This will ensure that teachers have the necessary materials to approach their science units in a “Hands-on, Minds-on” manner, as well as helping them to address the newer environmental aspects of the curriculum and integrate science with other subject areas. Adopt-a-Scientist volunteers will continue to adjust their classroom presentations to reflect the changes in this curriculum and create new interactive demonstrations.

Together we will continue to strive to spark an interest and a deeper understanding of science and technology in our students.



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Introduction

The Science Education Partnership (SEP), formed in 1992, consists of the Lambton Kent District School Board (LKDSB), the St. Clair Catholic District School Board (SCCDSB), local businesses, industries, and community partners. Appendix A details an historical time line of this unique partnership.

The SEP was formed for the purpose of expanding and supporting a quality “Hands-on, Minds-on” science program for students from Kindergarten to Grade 8. All science education programs made available for teachers through the SEP provide students with learning opportunities that develop and encourage collaboration, creativity, problem solving, and science literacy through the use of hands-on materials. It is recognized that these skills ultimately help our students to become more responsible and more successful adults in the working community.

Science Education Partnership activities are guided by a five year strategic plan that provides direction in reaching the goals encompassed in our mission statement – *We are a partnership dedicated to supporting the elementary school science program and teachers who inspire knowledgeable, enthusiastic and responsible students.* The five year strategic plan that will provide guidance through June of 2012, is outlined in Appendix B.

The Partnership focus is categorized in five areas.

➤ *Science Kit Program*

Science kits that contain hands-on materials and resources are developed to support the grade level expectations as described in the “Ontario Curriculum, Grade 1-8, Science and Technology (Revised 2007)”. Curriculum Teams will continue to realign existing kits to this revised document throughout the 2009-2010 school year.

➤ *Adopt-a-Scientist Volunteer Program*

Volunteers, with a science, engineering, or technical background, develop grade appropriate, curriculum-linked, interactive, scientific demonstrations for students.

➤ *Innovative Science Supports Linking School to Community*

The SEP organizes additional science education programs that celebrate and promote science and technology learning within our schools. These activities also facilitate the connection between community and business resources and educators.

➤ *Partners*

SEP business and community partners have strongly supported the SEP through both financial and human resources over the past 16 years. This support is invaluable as provincial funding is insufficient for schools to purchase all the science equipment that is required. The SEP continually seeks expansion through partner recruitment efforts and emphasizes partner recognition in all activities.

➤ *Science Resource Centres*

Science Resource Centres, located in Chatham and Sarnia, serve as activity hubs through which teachers can access all SEP science education programs.

The Science Education Partnership is committed to the implementation of its long-term plan for the support and enhancement of a quality science program. Throughout this process, the Partnership continuously informs all stakeholders of the ongoing developments of the science program and of all the key elements in the achievement of its vision.



Science Resources – SCIENCE KIT PROGRAM

The science kit program provides educators with “Hands-on, Minds-on” science materials and equipment in the form of educational kits.

Mission Element

Five Year Objectives

- Align all kits with revised S&T curriculum to result in one updated kit in each strand in all grades
- Increase science kit program usage
- Increase science kit program awareness

Total Annual Bookings	1313
Number of schools participating	84
For each school, number of teachers using kits vs. total number of teachers at that school	See Appendix C

Measurable Indicators Report

Action Highlights from 2008-2009

- A long range kit modification schedule, based on the gap analysis report, was completed to align kits with the revised Ontario Science & Technology Curriculum. Teams will concentrate on modifying kits with the largest number of gaps.
- Communication continued to all schools. Information packages were sent out; there were regular updates to the website, and routine dispatches to the mailing list. A virtual “in-service” element was added to the SEP website.
- Extra attention was placed on streaming information to schools that have had low participation rates in the past. Significant gains were made at several schools.
- The SEP kit program was highlighted at school board in-services.

- Continue to follow long range kit modification schedule to align kits with the revised Ontario Science & Technology Curriculum
- Send SEP information package to all schools
- Continue to send updates to teachers on the SEP mailing list
- Monitor use of new “virtual in-service” opportunities to determine future action
- Create and post one newsletter per term on SEP website
- Working through board program consultants, highlight SEP resources at the appropriate LKDSB and SCCDSB in-service opportunities
- Highlight SEP programs at a Principal Meeting
- Send Science Centre Technician to the Science Teachers of Ontario Conference of Ontario to survey materials and sessions that may assist with the task of alignment

Action Targets 2009-2010



Science Resources – ADOPT-A-SCIENTIST VOLUNTEER PROGRAM

The Adopt-a-Scientist volunteer program engages experts with a science, engineering or technical background in classrooms to enrich the science curriculum.

Mission Element

Five Year Objectives

- Increase number of volunteers
- Increase number of demonstrations occurring in classrooms
- Increase Adopt-a-Scientist program awareness

Number of volunteers	15
Number of requests for volunteer assistance	115
Number of schools participating	37
Number of teachers participating	73

Measurable Indicators Report

Action Highlights from 2008-2009

Stimulating monthly network meetings kept all volunteers up to date, allowing them to share new ideas and make improvements to classroom demonstrations.

- Volunteers welcomed a new volunteer, a local retired chemist, to the group.
- A new demonstration was developed for Grade 5 *Matter*.
- An Adopt-a-Scientist volunteer assisted with the production of the new Grade 4 *Pulleys and Gears* kit.
- Adopt-a-Scientist members presented a science activity day for visiting students from Korea. This event received attention from the local media.
- Four volunteers attended the 2008 STAO Conference and presented two sessions; *Solutions and Mixtures* and *Heat and Temperature*.
- The Adopt-a-Scientist program was highlighted in all SEP promotional materials, at school board in-services, and Principal Council meetings.

- Continue to seek new volunteers
 - Explore annuitant groups, retired teacher groups, and service clubs as sources of new volunteers.
 - Encourage current volunteers to invite friends and colleagues to become volunteers
 - Advertise volunteer positions on the SEP website
 - Advertise volunteer positions at activities such as Kids Fun Fest and local annuitant group meetings
- Hold monthly volunteer network meetings to discuss demonstrations and share ideas
- Include Adopt-a-Scientist demonstration information and create “virtual volunteer demonstration” clips to be posted on the SEP website
- Highlight Adopt-a-Scientist program at all in-service opportunities
- Include Adopt-a-Scientist program details in information packages sent to all schools
- Encourage media coverage of volunteer events
- Send at least one volunteer to the Science Teachers Association of Ontario Conference

Action Targets 2009-2010





Science Resources – INNOVATIVE SCIENCE SUPPORT LINKING SCHOOL AND COMMUNITY

The SEP organizes additional education programs that celebrate and promote science and technology learning within our schools. These activities also facilitate the connection between community and business resources with educators.

Mission Element

Five Year Objectives

- Increase community and industry sponsored science-related opportunities for local educators

Number of educational opportunities offered	1
Number of teachers participating	35

Measurable Indicators Report

Action Highlights From 2008-2009

"This was an excellent activity for my students. I feel they benefited greatly because it fit so well with the curriculum!"

A teacher, in reference to the Engineer for a Day activity

- Engineer for a Day bridge building activities occurred throughout the months of November, January and February, culminating in final testing at Lambton College on March 7, 2009. There was media coverage of the event and the local MPP presented prizes to the winners in each division.
- SEP materials were part of agricultural displays in both Lambton and Kent Counties. Local teachers were also honoured at LKAITC Gala Fundraising Dinner in March 2009. Opportunities offered the LKAITC Action Committee were also advertised on the SEP website and via the mailing list.
- Local science fairs were promoted on the SEP website and an informational booth was set up at both locations.

- Work with Lambton Chapter of the Professional Engineers of Ontario to offer activities celebrating Engineering Week
- Post links to Chatham-Kent and Sarnia-Lambton Science Fair on the SEP website
- Set up SEP informational booth at promotional opportunities that arise
- Work through the Lambton Kent Agriculture in the Classroom Steering Team representative, post links to agriculture related educational opportunities on SEP website
- Further investigate support of Robotics initiatives within both school boards

Action Targets 2009-2010



SEP PARTNERS

The SEP is dedicated to recruiting program partners and having our partners help monitor and manage programs.

*Mission
Element*

*Five Year
Objectives*

- Increase number of contributing partners
- Recognize and acknowledge partners and the SEP within the community.

Number of newly recruited partners	0
Number of continued partners	5
Total of all partner financial contributions designated for 2008/9	\$37,500.00

*Measurable
Indicators
Report*

*Action
Highlights
from
2008-2009*

- 100% of the partners from 2007-2008 continued to contribute to the SEP in 2008-2009.

- Maintain contact with current partners annually and renew the request for each to continue participation in the SEP
- Use personal contact networks to increase awareness of the SEP and the need for new partners through our Steering Committee members emphasizing environmental and energy based companies
- Explore opportunities regarding government and community group funding that arise
- Issue press releases regarding appropriate SEP events and activities via the proper public relations contacts at each school board
- Display SEP informational booth at all promotional opportunities that arise, making use of SEP brochure, display board and banner
- Recognize all partners on SEP website
- Address recruitment issues at each Steering Team meeting
- Review, update and resend letters sent to past partners
- Address budget totals at each Steering Team meeting
- Address media and promotional items at each Steering Team meeting
- Supply tax donation receipts to contributing partners
- Share annual reports with all stakeholders
- Determine school board representation on SEP committees with senior administration



*Action
Targets
2009-2010*



SEP SCIENCE RESOURCE CENTRES

The Science Resource Centres are responsible for managing, maintaining, and delivering all science resources and programs efficiently.

*Mission
Element*

*Five Year
Objectives*

- Enhance the effectiveness and efficiency of service from the SEP

Number of bookings per kit title		See Appendix D	
Filled kit booking requests	Unfilled kit booking requests	1313	18
Filled Adopt-a-Scientist booking requests	Unfilled Adopt-a-Scientist booking requests	115	10

*Measurable
Indicators
Report*



- Based on feedback from the kit user surveys collected from kit users in May 2009, create and implement action plan to improve service to teachers.
- Continue use of feedback form for Adopt-a-Scientist demonstrations. At the end of the year, collate and review teacher feedback and present to volunteers, who will then plan appropriate demonstration upgrades
- Regularly review workload of Science Centre staff

*Action
Targets
2009-2010*



OVERALL EFFECTIVENESS MEASURES: STRIVING FOR CONTINUOUS IMPROVEMENT

The SEP must demonstrate to all stakeholders that the Partnership is viable, and be able to measure achievement of our mission and vision statements.

By nurturing an interest in science at the elementary level, it is anticipated that the number of students who continue to study, and ultimately work in science-related fields, will increase. Our goal is to foster and encourage a society with greater scientific literacy.

Although it is difficult to find an accurate measure to track long term overall effectiveness of our Partnership, our goal to increase student interest and understanding of this subject, remains paramount. The SEP strives to bring science alive for students by providing “Hands-on, Minds-on” science educational resources for teachers who will deliver these programs to students. Teachers of the LKDSB and SCCDSB are therefore the primary clients for which the SEP provides service. The overall effectiveness tracked over the next five years will reflect increases in the number of teachers who make use of the resources provided, therefore increasing the number of students benefiting from our programs. Measurable indicators will include:

Measurable Indicator Report: 2008-2009

Total number of teachers participating in all SEP science resource programs of the total number of classroom teachers within both systems	499 of 1053
Total number of schools accessing the SEP science resource programs of the total number of schools	84 of 85
Qualitative feedback collected from a survey of all teachers	See * below

***Qualitative Survey Results**

In May of 2008, five copies of a qualitative survey were sent to every school in both School Boards. The questions on the survey were designed to ascertain if the general teaching population was aware of the Partnership resources and how to better improve communication, service, and the quality of our resources. Highlights of the information gleaned from this survey are listed in various categories below.

Response

- 42% of the 425 surveys were returned
- 62% of schools sent back at least one response

Immediate Changes in Service/Policy

- 56% of respondents said they'd like to keep their kit for eight weeks. The lending period was increased from six to eight weeks in 2008-2009
- Specific misconceptions about our resources and services were addressed on the SEP website in an article on the “What’s New” page



- Several suggestions were taken into consideration when creating the inventory for kits piloted in 2008-2009
- Teachers indicated the best way to communicate with them was to do so directly, via an electronic mailing list. An overwhelming 77% of those who responded asked to be on this list, which was created and information was sent out to teachers in regular intervals throughout 2008-2009.

Areas Needing Work

- There was a reoccurring theme throughout the comments from teachers to increase the resources in the kit that would help teachers to integrate science with other subject areas. As an example, a popular suggestion was to increase the number of age appropriate, science-related materials for language.

Where the SEP is on the Right Track

- Two thirds of teachers who responded approached science experiments in small groups, and indicated that they found the quantities of materials provided in SEP science kits to be adequate
- Only 16% of respondents indicated unfamiliarity with the Science Education Partnership. This has decreased from 44% indicated in the survey sent out in 2004.

Encouraging Comments

- “I absolutely love every kit I have ordered! They are complete, easy to use, readily available and time saving. (Magic in a box!)”
- “I use them for every strand. Fabulous resources for the classroom, thanks.”
- “Thanks to science centre staff, curriculum teams and sponsors! Great work!”

Future Directions

A final question on the survey read, “If you had a free wish from a genie who wanted to make teaching science easier for you, what would you ask for?” Although there were many “wishes” that would be beyond the capability of the SEP to grant, there was a large number of teachers who asked for help addressing split grade classes. This may be an area curriculum teams could address once all current kit titles are properly aligned with the 2007 Ontario Curriculum document.

2009-2010

Curriculum teams will continue to address areas where improvement is possible, based on survey feedback and on-going communication with kit users.



HISTORY OF THE SCIENCE EDUCATION PARTNERSHIP

The Science Education Partnership is a unique enterprise that has thrived for over a decade. Key details in the development of the SEP are listed below.

1992

- Dow approached the Lambton County Board of Education, (now the Lambton Kent District School Board) and the Lambton County Roman Catholic Separate School Board (now the St. Clair Catholic District School Board) to form the Lambton County Science Education Partnership.
- A one-time grant from the Ministry of Education and Training was received. This funding was dedicated to in-service training of teachers as new science kits were developed.
- A primary (grades K-3) and junior (grades 4-6) curriculum team was established to build science kits.

1993

- Polysar (now Lanxess) became a partner and provided funding to be used to renovate and furnish the Science Resource Centre.
- The first science kit, “Primary Bounce, Roll and Spin”, was built and tested in two classrooms. The pilot teachers and curriculum team members finalized the inventory and this was duplicated into multiple copies. An in-service to introduce the kit to teachers was held with one teacher from every school attending. This process would become the model for development of all future science kits.

1994

- A technician for the Science Resource Centre was hired.
- The Science Resource Centre, housed at St. Joseph School in Sarnia, officially opened in November.

1995

- Imperial Oil joined as a human resources partner. Retired engineers, scientists and technical people became involved in the Adopt-a-Scientist Program. Volunteers in this program assisted with “hands-on” science activities in classrooms.
- Sarnia Hydro (now Bluewater Power) committed their support to build a “Power of Electricity” kit for the junior division.

1996

- Interprovincial Pipeline (now Enbridge) became a partner.

1997

- Via the community group, Friends of the St. Clair River, funds were donated from the Ministry of the Environment, Canada Trust Friends of the Environment, and Shell Environmental Fund. This was used to build a River Science Kit.
- Cabot Carbon joined the SEP

1998

- Amalgamation of school boards occurred resulting in the co-terminus boards from Lambton and Kent counties joining, thereby doubling the district size. A transition team was formed to determine how the partnership would expand to service the entire district.
- The official name, Lambton County Science Education Partnership changed to Science Education Partnership.
- The new “Ontario Science and Technology Curriculum Grades 1-8” was introduced. The curriculum teams worked to align all science kits to this new curriculum.
- Imperial Oil, previously a human resources partner, became a financial partner.
- Other new partners contributing within the year included Meritor Industries and the Maple City Optimists.



1999

- An intermediate curriculum team was formed to build kits for grades 7-8.
- Navistar and Siemens Tilbury Plant became new partners.

2000

- A satellite centre was established in Chatham. It was staffed half time to service the schools in the south part of the district.
- New contributors to the SEP included Pioneer Hybrid (now Monsanto), and Kent Agriculture in the Classroom.

2001

- A grant from the Ministry of Energy, Science and Technology was received and used to build and copy three new kit titles.
- Several members of the Steering Team presented a session on the SEP at the province-wide Science Teachers Association of Ontario Conference in Toronto.

2002

- Due to the impending closure of St. Joseph School in Sarnia, a relocation committee was formed to find a suitable site for the Science Resource Centre. The committee successfully determined that Errol Road Public School was the most viable option and the centre was re-established there in July.
- A tenth anniversary open house was held at Bayer in June. The celebration consisted of a timeline display, refreshments and hands-on activities.

2003

- Suncor pledged support to produce two Ecosystems pilot kits for Grade 7.
- Ontario Power Generation agreed to fund two kit titles, Electricity for Grade 6 and Conservation of Energy for Grade 5.

2004

- Basell and Nova Chemicals each submitted a donation to the Partnership as a result of an aggressive letter campaign by the Recruitment Committee. Dow, Bayer, Cabot Carbon, Imperial Oil and Kent Agriculture in the Classroom continued their support of the Partnership for another year.
- The office at the Sarnia Resource Centre was renovated and a new laptop was purchased.
- The Science Education Partnership website was launched.
- The Science Education Partnership was nominated for a 2004 Technology Innovation Award sponsored by The Learning Partnership
- The Science Education Partnership was nominated for a National Science and Engineering Research Council of Canada Michael Smith Award for Science Promotion.

2005

- As a result of a partner recruitment letter campaign, Union Gas and Guspro in Chatham became a partner. Dow, Lanxess (formerly Polysar, Bayer), Imperial Oil, Cabot Carbon, Nova, Laidlaw, Ontario Power Generation, and Kent Agriculture in the Classroom continued their support of the Partnership.
- The Adopt-a-Scientist Program marked the tenth year of helping with “Hands-on, Minds-on” science in the classroom.

2006

- New partners, Bluewater Power Distribution Company and Pioneer were welcomed to the SEP.
- Adopt-a-Scientist Volunteers were named on the Mayor’s Honour List in Sarnia.

2007

- A district-wide Teacher Resource Fair was organized to include over 25 booths that included educational vendors, school board resource programs, local community organizations that offer programs for students.
- A new five year strategic plan was developed to guide SEP activities from 2007 to 2012.



2008

- The Ontario Curriculum, Grade 1-8, Science and Technology document was revised. Curriculum teams performed a gap analysis of our science kits to determine which areas needed to be addressed.
- Volunteers Fern Noel and Don Murray presented a session on Solutions and Mixtures at the provincial conference of the Science Teachers Association of Ontario.

2009

- Ontario Power Generation returned as a partner in the SEP.
- Bridge Building Engineering Week activities coordinated through the SEP involved the largest number of students involved in one project province-wide.
- Adopt-a-Scientist requests reached an unprecedented 115 requests.



Strategic Five Year Plan 2007-2012

SCIENCE RESOURCES – educational programs provided for teachers			PARTNERS	SCIENCE RESOURCE CENTRES
SCIENCE KIT PROGRAM	ADOPT-A-SCIENTIST VOLUNTEER PROGRAM	INNOVATIVE SCIENCE SUPPORT - LINKING SCHOOL AND COMMUNITY		
<p>The science kit program provides educators with “Hands-on, Minds-on” science material and equipment in the form of educational kits.</p>	<p>The A-a-S volunteer program engages experts with a science, technical, or engineering background in classrooms to enrich the science curriculum.</p>	<p>The SEP organizes educational programs that celebrate and promote science & technology learning within our schools. These activities also facilitate the connection between community/ business resources and educators.</p>	<p>The SEP is dedicated to recruiting program partners and having our partners help monitor and manage programs.</p>	<p>The science resource centers are responsible for managing, maintaining, and delivering all science resources and programs efficiently.</p>
<p>Five Year Objective:</p> <ul style="list-style-type: none"> ○ Align all kits with revised S&T curriculum to result in one updated kit in each strand in all grades ○ Increase program usage ○ Increase program awareness 	<p>Five Year Objective:</p> <ul style="list-style-type: none"> ○ Increase number of volunteers ○ Increase number of demonstrations in and out of classrooms ○ Increase program awareness 	<p>Five Year Objective:</p> <ul style="list-style-type: none"> ○ Increase community and industry sponsored science-related opportunities for local educators 	<p>Five Year Objective:</p> <ul style="list-style-type: none"> ○ Increase number of contributing partners ○ Recognize and acknowledge partners and the SEP within the community 	<p>Five Year Objective:</p> <ul style="list-style-type: none"> ○ Enhance the effectiveness and efficiency of service from the SEP
<p>Measurable Indicators:</p> <ul style="list-style-type: none"> ○ Total annual bookings ○ Number of schools participating ○ For each school, the number of teachers using kits vs. the total number of teachers at that school 	<p>Measurable Indicators:</p> <ul style="list-style-type: none"> ○ Number of volunteers ○ Number of requests for volunteer assistance ○ Number of schools participating ○ Number of teachers participating in A-a-S program 	<p>Measurable Indicators:</p> <ul style="list-style-type: none"> ○ Total number of educational opportunities and activities offered ○ Number of teachers participating in each activity 	<p>Measurable Indicators:</p> <ul style="list-style-type: none"> ○ Number of newly recruited sponsors ○ Number of continued partners ○ Total of all partner donations 	<p>Measurable Indicators:</p> <ul style="list-style-type: none"> ○ Number of bookings per kit title ○ Number of filled and unfilled kit requests ○ Number of filled and unfilled A-a-S bookings
<p>OVERALL EFFECTIVENESS MEASURE</p> <ul style="list-style-type: none"> ○ Total number of teachers participating in all SEP science resource programs vs. the total number of teachers within both systems ○ Total number of schools accessing the SEP science resource programs vs. the total number of schools who are not ○ Qualitative feedback collected from a survey of all teachers 				

**DISTRIBUTION REPORT 2008-2009: NUMBER OF TEACHERS BOOKING AT EACH SCHOOL**

School	Teachers booking a kit in 2008/9	Total Classroom Teachers	% Teachers Participating
Sarnia Centre			
Aberarder	5	7	71
Bosanquet	4	8	50
Bridgeview	4	8	50
Brigden	4	8	50
Bright's Grove	11	12	92
Brooke	4	18	22
Cathcart	7	22	32
Centennial	5	15	33
Col. Cameron	3	12	25
Confederation	8	11	73
Dawn	1	8	13
Devine	0	6	0
East Lambton	2	11	18
Errol Rd.	9	19	47
Errol Village	7	9	78
Grand Bend	2	8	25
Hanna Memorial	5	13	38
High Park	11	26	42
Hillcrest	3	10	30
Johnston	5	16	31
King George	9	14	64
Kinwood Central	4	13	31
Lakeroad	6	10	60
Lansdowne	7	17	41
London Rd.	3	8	38
Mooretown	2	7	29
Q.E.II Petrolia	5	13	38
Q.E.II Sarnia	4	14	29
Riverview	5	8	63
Rosedale	8	18	44
Sir John Moore	3	15	20
South Plympton	4	6	67
Wyoming	6	6	100
Gregory Hogan	7	13	54
Holy Rosary	4	6	67
Sacred Heart Port L.	3	8	38
Sacred Heart Sarnia	5	16	31
St. Anne Sarnia	7	13	54
St. Benedict	9	15	60
St. John Fisher	4	15	27
St. Joseph Corunna	8	13	62
St. Margaret	2	7	29
St. Michael Bright's G	2	14	14
St. Peter Sarnia	2	14	14
St. Peter Watford	7	10	70
St. Philip	5	9	56
St. Therese	6	16	38



Chatham Centre			
A.A. Wright	4	11	36
D.A. Gordon	2	11	18
Dresden	4	12	33
Gregory Dr.	5	12	42
H.W. Burgess	5	11	45
Harwich Raleigh	7	22	32
Indian Creek	5	18	28
J.N. Given	7	10	70
King George Chatham	4	12	33
McNaughton	7	28	25
Merlin	3	10	30
Q.E. II Chatham	5	20	25
Ridgetown	4	8	50
Ridgeview Moravian	4	10	40
Tecumseh	4	19	21
Thamesville	4	9	44
Tilbury	9	18	50
Victor Lauriston	6	16	38
W.J. Baird	3	10	30
Wheatley	4	15	27
Winston Churchill	6	10	60
Zone	2	8	25
Christ the King	2	7	29
G.P. Vanier	3	12	25
Good Shepherd	3	10	30
Holy Family	3	6	50
Monsignor Uyen	4	21	19
Our Lady of Fatima	5	21	24
St. Agnes	2	8	25
St. Anne Blenheim	4	12	33
St. Elizabeth	5	10	50
St. Joseph Chatham	3	10	30
St. Joseph Tilbury	3	15	20
St. Mary	5	10	50
St. Michael Ridgetown	6	13	46
St. Michael Turnerville	2	7	29
St. Ursula	3	17	18
St. Vincent	2	9	22

**DISTRIBUTION REPORT 2008-2009: BOOKINGS BY KIT TITLE**

Division	Kit Title	Sarnia Centre No. of bookings	Chatham Centre No. of bookings	Total No. of bookings
Kinder Kits	Bubble	6	N/A	6
	Colour	9	N/A	9
	Guck	5	N/A	5
	I'm a Scientist	N/A	3	3
	Lab	3	N/A	3
	Popcorn	N/A	3	3
	Roll	4	N/A	4
	Stick	5	N/A	5
	Waterways	N/A	2	2
	Body Basics	20	4	24
	Butterflies	30	N/A	30
	Farm Animals	13	4	17
	Frogs in a Pond	11	6	17
	Forces Causing Movement	24	19	43
	Liquids & Solids	30	11	41
	Movement	24	12	36
	Objects and Materials	22	4	26
	Oceans Alive	9	N/A	9
	Plants	27	24	51
	Seasons	14	3	17
	Soil	28	20	48
	Stability	24	14	38
	Sun, Wind & Water	27	7	34
	Technology of Shoes	3	N/A	3
Weather	20	N/A	20	
Primary Pr. Literature	Air, Sun & Water	27	7	34
	Banners Weather	12	1	13
	Banners Gardens	11	9	20
	Life Cycles	14	6	20
Mini Kits	Electric Connections	8	N/A	8
	Energy in Motion	8	N/A	8
	Gears at Work	22	N/A	20
Junior	Conservation of Energy	29	13	42
	Diversity	27	14	41
	Electricity	29	27	56
	Flight	22	5	27
	Forces Acting on Structures	12	10	22
	Gears Box	35	22	57
	Habitats	23	21	44
	Human Body	10	9	19
	Light	19	14	33
	Matter	28	19	47
	Pulleys and Gears	18	N/A	18
	Rocks, Minerals and Erosion	21	13	34
Space	15	6	21	
Intermediate	Cells	9	6	15
	Cells Supplement box	3	0	3
	Earth Crust	1	1	2
	Ecosystems	17	15	32
	Fluids	12	3	15
	Heat	20	9	29
	Mechanical Efficiency	10	5	15
	Microscopy	33	6	39
	Mixtures	21	25	46
	Structural Strength	17	15	32
Water Systems	5	2	7	



ADOPT-A-SCIENTIST OBJECTIVES

The objectives for having volunteers in the classroom are as follows:

- Provide direct support for the teacher in the classroom.
- Offer direct encouragement to students as they learn science and scientific principles.
- Demonstrate a “Scientist/Engineer/Technician” role model and provide mentorship for students.
- Act as a resource person for teachers.
- Offer suggestions for program changes and improvements.

ADOPT A SCIENTIST VOLUNTEERS

The Science Education Partnership recognizes the tremendous contribution to this program in 2008-2009 from the individuals listed below.

<i>Name</i>	<i>Scientific Background</i>
Chantal Dale	Flight Instructor, Huron Flight Centre
Ron Dekker	Electrical engineering, BDK Engineering Inc.
Helen Ferkul	Chemist, former Dow employee
John Florence	Structural engineering, former Imperial Oil employee
Graham Frame	Chemical engineering, former Imperial Oil employee
Bill Hopkins	Chemist, former Polysar employee
Jerry Kucenty	Structural engineering, former Imperial Oil employee
Ron Laflair	Chemical engineering, former Lanxess (Bayer) employee
Jim Lomax	Electrical engineering, former Imperial Oil employee
Jack Mackey	Chemist, former Imperial Oil employee
David Murray	Structural engineering, former Imperial Oil employee
Don Murray	Chemist, former Imperial Oil employee
Fern Noel	Chemist, former Imperial Oil employee
Chris Olavesen	Chemical engineering, former Imperial Oil employee
Volker Oettershagen	Mechanical engineering, former Ontario Hydro employee
Morris Rogers	Chemist, former Dow employee
Sonya Santavy	Biological science, Min. of Natural Resources employee



**SCIENCE EDUCATION PARTNERSHIP
FINANCIAL REPORT: JULY 1, 2008 TO JUNE 30, 2009**

FINANCIAL REPORT BY BUDGET LINE

Account	Opening Balance	Receipts	Expenditures	Closing	Notes
Dow	\$9,003.72	\$0.00	\$7,903.16	\$1,100.56	1
Lanxess	\$9,222.19	\$5,000.00	\$5,617.34	\$8,604.85	2
Cabot	\$493.64	\$0.00	\$0.00	\$493.64	3
Imperial Oil	\$44,651.36	\$1,650.02	\$31,401.86	\$14,899.52	4
Misc. Grants	\$2,538.09	\$363.00	(\$182.67)	\$3,083.76	5
LKAITC	\$9,835.27	\$5,000.00	\$8,471.66	\$6,363.61	6
OPG	\$0.00	\$2,500.00	\$0.00	2,500.00	7
Pioneer	\$1,000.00	\$0.00	\$0.00	\$1,000.00	8
Suncor	\$304.85	\$0.00	\$0.00	\$304.85	9
TOTAL	\$77,049.12	\$14,513.02	\$53,211.35	\$38,350.79	

Notes:

- 1 Funds designated for kit refurbishing costs.
- 2 Funds designated for Science Resource Centre costs.
- 3 Funds designated for replacement butterfly larvae for Gr. 2 butterfly kits.
- 4 Funds designated for kit development and Adopt-a-Scientist costs. Receipts are from the City of Sarnia (\$700, donated in lieu of volunteer time at Kids Fun Fest Children's festival) and 950.02 from the Ontario Professional Engineers to pay for expenses incurred during *Engineering Week* activities. **Note** that a donation from Imperial Oil in the amount of \$25,000 donation for the 2008-2009 school year was received prior to June 30th and therefore, does not show in this statement, although those funds were used during 2008-2009.)
- 5 Funds designated for staff development, travel, and in-service expenses. Receipts are a media fee from Kettle Stoney Point School to use SEP kits. The increase of 182.67 is an accounting adjustment made to the budget line in August of 2008.
- 6 Funds designated for new kit development.
- 7 Funds designated for new kit development
- 8 Funds designated for new kit development.
- 9 Funds designated for refurbishing the Ecosystems kit.

FINANCIAL REPORT BY EXPENDITURE TYPE

Expenditure Type	Budget Lines	Total Expenditure	Major Purchases
New Kit Development	Imperial Oil KIATC Pioneer	\$39,873.52	<ul style="list-style-type: none"> • New inventory to align kits to revised curriculum • Adopt-a-Scientist expenditures (from Imperial Oil account)
Refurbishing/Kit Maintenance	Dow Suncor Cabot	\$7,903.16	<ul style="list-style-type: none"> • Replenish consumables in all used kits
Science Resource Centre	Lanxess	\$5,617.34	<ul style="list-style-type: none"> • Office supplies, upgrades • Safety storage equipment



SCIENCE EDUCATION PARTNERSHIP STEERING TEAM MEMBERS 2008-2009

Lambton Kent District School Board

Joy Badder,	Superintendent of Schools
Taf Lounsbury	Principal of Elementary Program
Cheryl Wolting	Program Consultant
Carmen Lemieux	Principal, Errol Rd. Public School
Wilma Sonneveld-Wright	Principal, Thamesville Area Public School

St. Clair Catholic District School Board

Dr. Frank Leddy	Superintendent of Schools
Sherrie Daudlin	Catholic Curriculum Consultant
Phil Bedard	Vice Principal, St. Therese Catholic School
Martin Kling	Vice Principal, Monsignor Uyen Catholic School
Jean Mantha	Principal, St. John Fisher Catholic School

Industry & Community Representatives

Joanne Bladon	Dow Chemical Canada Inc.
Dennis Loucks	Lanxess Inc.
Bryce McGarvey	Imperial Oil Limited
Sue McLarty	Lambton Kent Agriculture in the Classroom

Science Resource Centre Staff

Wendy Hooghiem	Science Resource Centre, Sarnia
Cassandra Bouwmeester	Science Resource Centre, Chatham

Primary Curriculum Team

Shirley Kingston	St. Peter Canisius Catholic School
Joan Mausser	Confederation Central Public School

Junior Curriculum Team

Lisa Aarssen	St. Elizabeth Catholic School
Patricia Drimmie	Confederation Central Public School

Intermediate Curriculum Team

Brian Jubenville	Queen Elizabeth II Public School
Jodi Tetreault	St. Elizabeth Catholic School

Science Education Partnership Contact Information

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