

## 46<sup>th</sup> ANNUAL VANCOUVER ISLAND REGIONAL SCIENCE FAIR - 2007

### Overall Awards

<b>First</b>	100	Daniel Bild-Enkin	Voila les Voyelles: Vowel Pronunciation at a Victoria High School	Esquimalt High	12
<b>Second</b>	97	Alice Jourmel	Mechanical Properties of Hardwoods: A New Test	Frances Kelsey	10
<b>Third</b>	106	Simon Bild-Enkin	Dissolving Rocks: the Effects of Acid Rain on Historic buildings	Esquimalt High	10
<b>Fourth</b>	90	Michael Peters	The Actuator	Glenlyon Norfolk	9
<b>Fifth</b>	87	Laura Simandl	Contribution to Sustainability in Cement Manufacturing and Coal Production	St. Margaret's	8
<b>Sixth</b>	101	Adrienne Duimering	Fighting Flames Frugally	St. Margaret's	9
<b>Seventh</b>	92	Avery Noonan	Tseycum: est-il propre?	Victor-Brodeur	8

### Senior Division

<b>First</b>	109	Michael Voorthuyzen	The Sound Of Darkness	Esquimalt High	10
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### Junior Division

<b>First</b>	108	Hannah Bild-Enkin	Hannah's Height: Daily Variations in Stature of a Thirteen Year Old Girl	Esquimalt High	9
<b>Second</b>	98	Mack Rankin	Where's Your Breaking Point	Glenlyon Norfolk	9
<b>Third</b>	96	Chris Life	What Is The Optimum Transition Time And Speed With Regard To Minimization Of Wake When Entering A Speed Regulated Zone In A Catamaran Ferry?	Glenlyon Norfolk	9
<b>Fourth</b>	89	David Warburton	Refining GPS	Glenlyon Norfolk	9
<b>Fifth</b>	94	Mika Choi	Carcinogenic effects of Acrylamide in Starch Containing Foods	Glenlyon Norfolk	9

### Intermediate Division

<b>First</b>	56	Oliver Jourmel	Carbon Sequestration	George Bonner	7
<b>Second</b>	50	Monica Whitney-Brown	Sense and Sense-Abilities	George Bonner	7
<b>Third</b>	80	Amy McQuarrie	Surface Texture & Drag - The Boundary Layer Effect	St. Margaret's	7
<b>Fourth</b>	72	Charlotte Germaine Wilson	The Effect of Logging Trees in the Cowichan Valley	Mt. Prevost	7
<b>Fifth</b>	62	Sara Lax	Intelligence des chiens (Dog Intelligence)	Cedar Hill	6

## Elementary Division

<b>First</b>	29	Alexis Duval	Quel âge a ton oeuf?	Victor-Brodeur	5
<b>Second</b>	18	Tessa Owens	Comparing the Efficiency of the Human Eye	St. Margaret's	4
<b>Third</b>	21	Lisa McQuarrie	Synthetic Versus Natural Fibres - Does Modern Sports Clothing Help?	St. Margaret's	4
<b>Fourth</b>	28	Émilie Wong	Radio à cristal	Victor-Brodeur	5
<b>Fifth</b>	14	Megan Lee Brynn Walker	La prevention de la moisissure	Sir James Douglas	5

## SCIENCE VENTURE AWARD

	29	Alexis Duval	Quel âge a ton oeuf?	Victor-Brodeur	5
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## HONOURABLE MENTIONS

### Elementary

8	Jonathan Wild	Electromagnetism	Pacific Christian	5	
19	Hannah Koning	Strength in numbers?	Pacific Christian	5	
24	Caden Fiddler Liam Saad-Roy	Mentos + Soda	Victor-Brodeur	4	
31	Colin Berkley	Water Filtration	Pacific Christian	5	
63	Aidan Dunsmuir	Which Sail will sail upwind best?	Pacific Christian	5	
Intermediate					
44	Gillian Maycock	Choking On Fumes	St. Margaret's	7	
46	Chadi Saad-Roy	Un mode de transport propre: un train magnétique?	Glenlyon Norfolk	7	
78	Misha Amiri	Mystery Guest	George Bonner	7	
81	Adriane Dewey	Slingshot Effect: A transfer of Momentum	Gordon Head	7	
85	Sophie Nedwidek	Modeling Hyperbolic Space	St. Margaret's	7	
Junior					
83	Theron Finley	Elemental Energy; A Comparison of Alternative Energies	North Saanich	8	

95	Anita Proom	As The Windmill Turns	St Margaret's	9
104	Ethan Lustig	The Affect of Distraction on Dexterity	Glenlyon Norfolk	9
107	Leona de Lange Boom Holly Hurwood	If You Can Think it You Can Drink it	North Saanich	8

### Special Awards

#### UNIVERSITY OF VICTORIA, PRESIDENT'S SCHOLARSHIP

100	Daniel Bild-Enkin	Voila les Voyelles: Vowel Pronunciation at a Victoria High School	Esquimalt High	12
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#### ASPREVA PHARMACEUTICAL AWARD

100	Daniel Bild-Enkin	Voila les Voyelles: Vowel Pronunciation at a Victoria High School	Esquimalt High	12
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#### ZONTA INTERNATIONAL AWARD

97	Alice Jourmel	Mechanical Properties of Hardwoods: A New Test	Frances Kelsey	10
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#### ALEXA GEMINIANO AWARD

97	Alice Jourmel	Mechanical Properties of Hardwoods: A New Test	Frances Kelsey	10
100	Daniel Bild-Enkin	Voila les Voyelles: Vowel Pronunciation at a Victoria High School	Esquimalt High	12
106	Simon Bild-Enkin	Dissolving Rocks: the Effects of Acid Rain on Historic buildings	Esquimalt High	10

#### SPECIAL ENVIRONMENT AWARD (MINISTRY OF ENVIRONMENT)

87	Laura Simandl	Contribution to Sustainability in Cement Manufacturing and Coal Production	St. Margaret's	8
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#### PHYSICAL/APPLIED SCIENCES AWARD (AOKI CUP)

97	Alice Jourmel	Mechanical Properties of Hardwoods: A New Test	Frances Kelsey	10
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#### ENGINEERING SCIENCE AWARD

106	Simon Bild-Enkin	Dissolving Rocks: the Effects of Acid Rain on Historic buildings	Esquimalt High	10
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## **Provincially Initiated Awards**

### **AL APPLETON WORKSAFE AWARD**

9 Courtney Lucas Indoor air quality for me and you Pacific Christian 5

### **AMERICAN ASSOCIATION OF PHYSICS TEACHERS - Michael Crooks Physics Prize**

96 Chris Life What Is The Optimum Transition Time And Speed With Regard To Minimization Of Wake When Entering A Speed Regulated Zone In A Catamaran Ferry? Glenlyon Norfolk 9

### **BC AGRICULTURE IN THE CLASSROOM**

73 Sarah Linde Worm Composting Journey Middle 7

### **BC SCIENCE TEACHERS' AWARD**

80 Amy McQuarrie Surface Texture & Drag - The Boundary Layer Effect St. Margaret's 7

### **CHEVRON CANADA AWARD**

92 Avery Noonan Tseycum: est-il propre? Victor-Brodeur 8

### **DIVISION FOR ADVANCEMENT OF WOMEN IN ENGINEERING AND GEOSCIENCES (DAWEG)**

80 Amy McQuarrie Surface Texture & Drag - The Boundary Layer Effect St. Margaret's 7

### **FEDERATION OF BC NATURALISTS**

72 Charlotte Germaine Wilson The Effect of Logging Trees in the Cowichan Valley Mt. Prevost 7

### **GENOME BC**

94 Mika Choi Carcinogenic effects of Acrylamide in Starch Containing Foods Glenlyon Norfolk 9

### **HEART & STROKE FOUNDATION OF BC/YUKON**

90 Michael Peters The Actuator Glenlyon Norfolk 9

### **MINISTRY OF COMPETITION, SCIENCE & ENTERPRIZE (YOUNG SCIENCE INNOVATOR) AWARD**

89 David Warburton Refining GPS Glenlyon Norfolk 9

**B.C. INNOVATION COUNCIL AWARD, Turning Ideas into Solutions**

Student: 90 Michael Peters The Actuator Glenlyon Norfolk 9  
Teacher: Mr. Rick Lidstone, Glenlyon Norfolk

**SOCIETY FOR CANADIAN WOMEN IN SCIENCE & TECHNOLOGY**

87 Laura Simandl Contribution to Sustainability in Cement Manufacturing and Coal Production St.Margaret's 8

**THOMSON NELSON AWARD**

108 Hannah Bild-Enkin Hannah's Height: Daily Variations in Stature of a Thirteen Year Old Girl Esquimalt High 9

**For nomination**

**CANADIAN LAND RECLAMATION ASSOCIATION, BC Chapter (W.E. Coates award)**

92 Avery Noonan Tseycum: est-il propre? Victor-Brodeur 8

**MINISTRY OF TRANSPORTATION AWARD**

96 Chris Life What Is The Optimum Transition Time And Speed With Regard Glenlyon Norfolk 9  
To Minimization Of Wake When Entering A Speed Regulated Zone In A Catamaran Ferry?

46 Chadi Saad-Roy Un mode de transport propre: un train magnétique? Glenlyon Norfolk 7

**Locally Initiated Awards**

**AIR & WASTE MANAGEMENT ASSOCIATION, VANCOUVER ISLAND CHAPTER**

106 Simon Bild-Enkin Dissolving Rocks: the Effects of Acid Rain on Historic buildings Esquimalt High 10

**ASSOCIATION OF PROFESSIONAL BIOLOGISTS OF BC**

92 Avery Noonan Tseycum: est-il propre? Victor-Brodeur 8

## ASSOCIATION OF PROFESSIONAL ENGINEERS AND GEOSCIENTISTS OF BC

### Gold

1	Jordan Trill	Paper Airplanes	Parksville Elementary	4	
19	Hannah Koning	Strength in numbers?	Pacific Christian	5	
46	Chadi Saad-Roy	Un mode de transport propre: un train magnétique?	Glenlyon Norfolk	7	
56	Oliver Jourmel	Carbon Sequestration	George Bonner	7	
69	Mina O'Neill-Bains	Rainwater Electric Generator	St. Margaret's	5	
80	Amy McQuarrie	Surface Texture & Drag - The Boundary Layer Effect	St. Margaret's	7	
83	Theron Finley	Elemental Energy; A Comparison of Alternative Energies	North Saanich		8
87	Laura Simandl	Contribution to Sustainability in Cement Manufacturing and Coal Production	St.Margaret's	8	
90	Michael Peters	The Actuator	Glenlyon Norfolk	9	
100	Daniel Bild-Enkin	Voila les Voyelles: Vowel Pronunciation at a Victoria High School	Esquimalt High	12	

### Silver

8	Jonathan Wild	Electromagnetism	Pacific Christian	5	
35	Liam Poppe Christophe Pouliot	Le trébuchet	Victor-Brodeur	5	
39	Hayden Sailer	A new and modified liquid piston engine	Journey Middle	7	
47	Trevor Schultz	Earthquake!!	Pacific Christian	7	
63	Aidan Dunsmuir	Which Sail will sail upwind best?	Pacific Christian	5	
81	Adriane Dewey	Slingshot Effect: A transfer of Momentum	Gordon Head	7	
84	Arie Tarnowski	Exercise for Clean Energy	Journey Middle	8	
95	Anita Proom	As The Windmill Turns	St Margaret's	9	
96	Chris Life	What Is The Optimum Transition Time And Speed With Regard To Minimization Of Wake When Entering A Speed Regulated Zone In A	Glenlyon Norfolk	9	
97	Alice Jourmel	Mechanical Properties of Hardwoods: A New Test	Frances Kelsey	10	

**DRS. ROSEMARY & WALTER BALFOUR AWARD**

1st 14 Megan Lee La prevention de la moisissure Sir James Douglas 5  
Brynn Walker

2nd 32 Vanessa Lee What wood product burns the longest? Pacific Christian 5

**B.C. HYDRO POWER SMART AWARD**

27 Jeremy Giffon Electricite Organique Cedar Hill 6

**B.C. HYDRO S. ISLAND OFFICE AWARD**

83 Theron Finley Elemental Energy; A Comparison of Alternative Energies North Saanich 8

**B.C. HYDRO POWER PIONEERS AWARD**

46 Chadi Saad-Roy Un mode de transport propre: un train magnétique? Glenlyon Norfolk 7

**BC INSTITUTE OF AGROLOGISTS**

23 Emily Jordon What to drink or not to drink? Comparing the relative Vitamin C content of fruit drinks St. Margaret's 4

29 Alexis Duval Quel âge a ton oeuf? Victor-Brodeur 5

45 Nikita Heurtier Boire ou ne pas boire, ça c'est notre question Victor-Brodeur 7

Claudia Wong

**DRS. J. BROWNING & D. BERRY AWARD**

15 Alex Côté L'énergie éolienne Victor-Brodeur 4

Mohand Khouider

Roland Liao-Brière

**CANADIAN METEOROLOGICAL & OCEANOGRAPHIC SOCIETY, VANCOUVER ISLAND BRANCH**

38 Tina Lopez Wadlow Timing the Tides Cedar Hill 6

44 Gillian Maycock Choking On Fumes St. Margaret's 7

## CHEMICAL INSTITUTE OF CANADA, VANCOUVER ISLAND SECTION

1	101	Adrienne Duimering	Fighting Flames Frugally	St. Margaret's	9
2	94	Mika Choi	Carcinogenic effects of Acrylamide in Starch Containing Foods	Glenlyon Norfolk	9
3	56	Oliver Jourmel	Carbon Sequestration	George Bonner	7

## GORDON PATTERSON AWARDS

18		Tessa Owens	Comparing the Efficiency of the Human Eye	St. Margaret's	4
21		Lisa McQuarrie	Synthetic Versus Natural Fibres - Does Modern Sports Clothing Help?	St.Margaret's	4
28		Émilie Wong	Radio à cristal	Victor-Brodeur	5

## ROTARY CLUB OF VICTORIA

1	106	Simon Bild-Enkin	Dissolving Rocks: the Effects of Acid Rain on Historic buildings	Esquimalt High	10
2	56	Oliver Jourmel	Carbon Sequestration	George Bonner	7
HM	9	Courtney Lucas	Indoor air quality for me and you	Pacific Christian	5
HM	87	Laura Simandl	Contribution to Sustainability in Cement Manufacturing and Coal Production	St.Margaret's	8

## La SOCIETE FRANCOPHONE DE VICTORIA

### Elementaire

1	33	Faelan Prentice	L'effet de l'exercice sur le dioxyde de carbone exhalé	Victor-Brodeur	5
2	29	Alexis Duval	Quel âge a ton oeuf?	Victor-Brodeur	5
3	14	Megan Lee Brynn Walker	La prevention de la moisissure	Sir James Douglas	5

### Intermediate

1	46	Chadi Saad-Roy	Un mode de transport propre: un train magnétique?	Glenlyon Norfolk	7
2	41	Gabriel Duval	Chasseur de Carbone	Victor-Brodeur	6
3	27	Jeremy Giffon	Electricite Organique	Cedar Hill	7

### Junior

1	92	Avery Noonan	Tseycum: est-il propre?	Victor-Brodeur	8
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2	88	Victor Balikci Yann Lacoste	Canon electromagnetique	Victor-Brodeur	8
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**Senior**

106		Simon Bild-Enkin	Dissolving Rocks: the Effects of Acid Rain on Historic buildings	Esquimalt High	10
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**UVIC SOCIAL SCIENCE CHAIRS AWARD**

62		Sara Lax	Intelligence des chiens (Dog Intelligence)	Cedar Hill	6
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**UVIC SCIENCE CHAIRS AWARD**

29		Alexis Duval	Quel âge a ton oeuf?	Victor-Brodeur	5
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**UVIC ENGINEERING CHAIRS AWARD**

98		Mack Rankin	Where's Your Breaking Point	Glenlyon Norfolk	9
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**UVIC HUMAN AND SOCIAL DEVELOPMENT CHAIRS AWARD**

50		Monica Whitney-Brown	Sense and Sense-Abilities	George Bonner	7
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**CETUS - UVIC FACULTY OF EDUCATION AWARD**

109		Michael Voorthuyzen	The Sound Of Darkness	Esquimalt High	10
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**VICTORIA NATURAL HISTORY SOCIETY**

72		Charlotte Germaine Wilson	The Effect of Logging Trees in the Cowichan Valley	Mt. Prevost	7
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**ZONTA REGIONAL SCIENCE FAIR AWARD**

107		Leona de Lange Boom Holly Hurwood	If You Can Think it You Can Drink it	North Saanich	8
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**BOOKSTORE AWARDS**

**CHAPTERS**

98 Mack Rankin Where's Your Breaking Point Glenlyon Norfolk 9

**MUNRO'S**

89 David Warburton Refining GPS Glenlyon Norfolk 9

**RUSSELL**

20 Jacob Frackson Sugar Reaction Times Pacific Christian 5

24 Caden Fiddler Mentos + Soda Victor-Brodeur 4

Liam Saad-Roy

50 Monica Whitney-Brown Sense and Sense-Abilities George Bonner 7

68 Emma Ullrich What is the effect of sugar and sugar substitutes on weight gain in rats? Pacific Christian 5