



The CENTRE for EDUCATION
in MATHEMATICS and COMPUTING
Faculty of Mathematics
University of Waterloo
Waterloo, Ontario, Canada N2L 3G1

2004 Canadian Computing Competition Results

Sponsors:



This was a year of firsts.

Firstly, it was my first year as Director of the CCC. There was a lot to learn (and still a lot to learn), but I think the contest is heading in the right direction.

The CCC webpage (<http://www.cemc.uwaterloo.ca/ccc>) underwent serious revisions for the first time in many years. Hopefully you find the site easier to navigate and find the information that you are looking for. If there are ways you feel the site can be improved, please email us and let us know.

The last “first” is that the contest was divided into two separate contests; the Junior contest (with five problems) and the Senior contest (with five different problems). Hopefully this gives students at the Junior ability to stretch themselves, and those with a bit more experience will be challenged by the Senior contest.

This contest would not happen without the interest of students and the teachers who supervised, marked and submitted results for their students. Thank you for your hard work.

A detailed summary of problems (with solutions and descriptions of solutions) will be posted on the CCC website by the end of May 2004. Below, a qualitative summary of both the Junior and Senior contest is presented.

Generally, we are attempting to make the Junior contest on linear difficulty curve: the first problem should be solvable by students with very little programming experience, the second should be a bit more difficult, and so on, until question 5 is using some more advanced feature of programming (this year, the idea of recursion was emphasized on Problem Junior 5). However, we didn't quite get the slope of the line correct, since the first four problems were relatively equally well-done, and J5 was significantly harder than the other problems. We will try to address this next year.

On the Senior problem, the first three problems were generally well done, and the last two were meant to be separator questions. From the scoring data we have received, we felt like we have the balance of difficulty for these problems in the right range.

I hope you found the contest this year interesting and educational, fun and intriguing. Thanks for being a part of it.

Troy Vasiga
Director of the Canadian Computing Competition
May 2004

Junior Competitors

Students are listed in alphabetical order within each group.

Dans chaque group, les élèves sont nommés en ordre alphabétiques.

Name/Nom	School/École	Location/Endroit
Group 1: Scores from 66 to 75		
Cracknell	James	Sir John Franklin School Yellowknife, NT
Hartling	Jonathan	Charles P. Allen H.S. Bedford, NS
Lam	Kevin	St. John's-Ravenscourt School Winnipeg, MB
Lee	Michael	Streetsville S.S. Mississauga, ON
Mead	Shaun	Charles P. Allen H.S. Bedford, NS
Ngan	Ricky	Thornhill S.S. Thornhill, ON
Park	Jennifer	Bluevale C.I. Waterloo, ON
Qu	Chao	Dr. Norman Bethune C.I. Scarborough, ON
Wong	Kenneth	Killarney S.S. Vancouver, BC
Ye	Daniel	O'Neill C.V.I. Oshawa, ON
Group 2: Scores from 61 to 65		
Babani	Ergin	Forest Hill C.I. Toronto, ON
Carole	Remy	Victoria Park S.S. North York, ON
Cepelinski	Nathan	Sir Robert Borden H.S. Nepean, ON
Chadder	Sarah	Guelph C. & V.I. Guelph, ON
Diener	Ross	Sir Robert Borden H.S. Nepean, ON
Fan	Ni	Sir Robert Borden H.S. Nepean, ON
Fraser	Graham	Sir Robert Borden H.S. Nepean, ON
Han	Changjoon	Albert College Belleville, ON
Kazerani	Ali	Waterloo C.I. Waterloo, ON
Kugler	Andrew	Sir Robert Borden H.S. Nepean, ON
Kwan	Michael	Crescent School Willowdale, ON
Lau	Edward	Erindale S.S. Mississauga, ON
Lau	George	Peoples Christian Academy North York, ON
Lerner	Jonathan	Sir Robert Borden H.S. Nepean, ON
Lerner	Michael	Sir Robert Borden H.S. Nepean, ON
Liang	Sha	Vincent Massey S.S. Windsor, ON
Mehta	Twishansh	Milliken Mills H.S. Unionville, ON
Ravichandiran	Nisanthini	Woburn Collegiate Institute Toronto, ON
Situ	Matt	Sir Robert Borden H.S. Nepean, ON
Sou	Antonio	Dr. Norman Bethune C.I. Scarborough, ON
Zaeem	Rizwan	Woburn Collegiate Institute Toronto, ON
Zhang	Linda	Sir Robert Borden H.S. Nepean, ON
Group 3: Scores from 60 to 60		
Bachmutsky	Vadim	Victoria Park S.S. North York, ON
Bernasch	Tim	St. Mary's C.S.S. Hamilton, ON
Best	Chris	Hugh Mcroberts S.S. Richmond, BC
Bhatia	Harmeet	Erindale S.S. Mississauga, ON
Bhulabhai	Bhavik	Richmond Hill H.S. Richmond Hill, ON
Brandman	David	Western Canada H.S. Calgary, AB
Buckley	John	St. Michael's College School Toronto, ON

Canadian Student Honour Roll**Palmarès des élèves à l'échelle nationale**

Name/Nom		School/École	Location/Endroit
Carr	Dylan	Riverdale C.I.	Toronto, ON
Che	Victor	Thornhill S.S.	Thornhill, ON
Chen	Yan	Riverdale C.I.	Toronto, ON
Choi	Warren	Dr. Norman Bethune C.I.	Scarborough, ON
Dharia	Rachit	Woburn Collegiate Institute	Toronto, ON
Doucet	Aaron	O'Neill C.V.I.	Oshawa, ON
Dutta	Shayak	Woburn Collegiate Institute	Toronto, ON
Dyni	Erin	Bawating C. & V.S.	Sault Ste. Marie, ON
Eisner	Daniel	Marc Garneau C.I.	Don Mills, ON
Eng	Lawson	Riverdale C.I.	Toronto, ON
Fan	Doreen	Vincent Massey S.S.	Windsor, ON
Gao	Xiyuan	Victoria Park S.S.	North York, ON
Goh	Jonathan	St. George's School	Vancouver, BC
Gorrie	Cameron	Hillfield-Strathallan College	Hamilton, ON
Guo	Siming	Marc Garneau C.I.	Don Mills, ON
Hamre	Duncan	Sir John Franklin School	Yellowknife, NT
Hong	Rich	St. George's School	Vancouver, BC
Huiskamp	James	Centennial C. & V.I.	Guelph, ON
Huynh	Hoang	Jarvis C.I.	Toronto, ON
Jahagirdar	Anusha	Sir Robert Borden H.S.	Nepean, ON
Jiang	Xiaoyu	Woburn Collegiate Institute	Toronto, ON
Joushaghani	Arash	Don Mills C.I.	Don Mills, ON
Karpinskileyd	Michael	St. Michael's College School	Toronto, ON
Lai	Ricky	Markham D.H.S.	Markham, ON
Lee	Richard	Don Mills C.I.	Don Mills, ON
Leroy	Marvyn	College Beaubois	Pierrefonds, QC
Leung	Anson	St. Michael's College School	Toronto, ON
Liang	Justin	Vincent Massey S.S.	Windsor, ON
Liang	Wei	Jarvis C.I.	Toronto, ON
Livingston	Ted	Crescent School	Willowdale, ON
Lymer	Matthew	Eastdale C.V.I.	Oshawa, ON
Ma	Jethro	Unionville H.S.	Unionville, ON
Matchem	Mark	Our Lady Of The Lake	Keswick, ON
Mohan	Rahul	Vaughan S.S.	Thornhill, ON
Pai	Ricky	St. George's School	Vancouver, BC
Patulea	Catalin	Coll. Cath. Franco-ouest	Nepean, ON
Ren	Wei	Dr. Norman Bethune C.I.	Scarborough, ON
Rusiniak	Matthew	St. James H.S.	Guelph, ON
Salesdeandrade	Elliot	St. Michael's College School	Toronto, ON
Saulnier	Paul	Saint John H.S.	Saint John, NB
Shan	Meng	Vincent Massey S.S.	Windsor, ON
Shum	Matthew	Dr. Norman Bethune C.I.	Scarborough, ON
Sigal	Iliya	Forest Hill C.I.	Toronto, ON
Soong	Hugh	Richmond Hill H.S.	Richmond Hill, ON
Stern	Mark	Lawrence Park C.I.	Toronto, ON
Tang	Raymond	Richmond Hill H.S.	Richmond Hill, ON
Topper	Gal	Vaughan S.S.	Thornhill, ON
Truong	Gordon	Riverdale C.I.	Toronto, ON
Visontai	Aron	Guelph C. & V.I.	Guelph, ON
Wang	Tout	Don Mills C.I.	Don Mills, ON

Canadian Student Honour Roll**Palmarès des élèves à l'échelle nationale**

Name/Nom	School/École	Location/Endroit
Whiteside	Jeff Albert College	Belleville, ON
Wice	Alex Leaside H.S.	East York, ON
Wong	Dickson Killarney S.S.	Vancouver, BC
Wu	Lei Vincent Massey S.S.	Windsor, ON
Xu	Han Merivale H.S.	Ottawa, ON
Yamana	Sean Vincent Massey S.S.	Windsor, ON
Yang	Guangwei Charles P. Allen H.S.	Bedford, NS
Yang	Michael Erindale S.S.	Mississauga, ON
Yip	Jacky Saunders S.S.	London, ON
Zou	Wenxuan Richview C.I.	Etobicoke, ON
Group 4: Scores from 57 to 59		
Atcheson	Bryan Huron Heights S.S.	Newmarket, ON
Bergeron	Armand Champlain Regional College	St. Lambert, QC
Blacher	Zachary Vincent Massey S.S.	Windsor, ON
Blair	Christine Marc Garneau C.I.	Don Mills, ON
Branton	Michael Vincent Massey S.S.	Windsor, ON
Carole	Pascal Victoria Park S.S.	North York, ON
Chan	William Unionville H.S.	Unionville, ON
Chiarelli	Anthony St. Thomas More CATH.S.S	Hamilton, ON
Currim	Osman Richmond Hill H.S.	Richmond Hill, ON
Dawson	Skyler The Country Day School	King City, ON
Deng	Paul Woburn Collegiate Institute	Toronto, ON
Dimson	Thomas Aurora High School	Aurora, ON
Flavell	Steven Notre Dame C.S.S.	Ajax, ON
Franz	Max Resurrection C.S.S.	Kitchener, ON
Gagne	Max Iroquois Ridge H.S.	Oakville, ON
Gai	Nan Merivale H.S.	Ottawa, ON
Galantai	Vladpaul Forest Hill C.I.	Toronto, ON
Gjiri	Endri Forest Hill C.I.	Toronto, ON
Hamel	Daniel College Beaubois	Pierrefonds, QC
Healey	Jenna Richmond Hill H.S.	Richmond Hill, ON
Horsman	Mark Merivale H.S.	Ottawa, ON
Junkin	Blane Charles P. Allen H.S.	Bedford, NS
Krasnopolski	Pavel Jarvis C.I.	Toronto, ON
Kuo	Jason Western Canada H.S.	Calgary, AB
Laiken	Daniel Iroquois Ridge H.S.	Oakville, ON
Lariviere	Eric Champlain Regional College	St. Lambert, QC
Li	Anthony Milliken Mills H.S.	Unionville, ON
Liu	Jeffery Vincent Massey S.S.	Windsor, ON
Lizius	Richard Centennial C. & V.I.	Guelph, ON
Manel	Kyle Glenview Park S.S.	Cambridge, ON
Mcclelland	Phillip Bluevale C.I.	Waterloo, ON
Morillo	Daniel Temple H.S.	Temple, IT
Ngan	Henry Milliken Mills H.S.	Unionville, ON
Parke	Gord St. John's-Ravenscourt School	Winnipeg, MB
Peacock	Daniel Mckinnon Park S.S.	Caledonia, ON
Peiris	Brian St. Marguerite D'youville S.S.	Brampton, ON
Peloso	Ben Guelph C. & V.I.	Guelph, ON
Petersen	Jason Temple H.S.	Temple, IT

Canadian Student Honour Roll**Palmarès des élèves à l'échelle nationale**

Name/Nom		School/École	Location/Endroit
Petrescu	Adrian	Vincent Massey S.S.	Windsor, ON
Raju	Ashok	Vincent Massey S.S.	Windsor, ON
Roman	Alex	Cameron Heights C.I.	Kitchener, ON
Russo	Daniel	St. Michael's College School	Toronto, ON
Sagalov	Yuri	Westmount C.I.	Thornhill, ON
Shepherdson	Braden	Merivale H.S.	Ottawa, ON
Simitas	Dimitrios	Vaughan Road Academy	Toronto, ON
Su	Roger	Sir Robert Borden H.S.	Nepean, ON
Subramaniam	Ajanthan	Milliken Mills H.S.	Unionville, ON
Tan	John	Dr. Norman Bethune C.I.	Scarborough, ON
Teno	Alexander	Sinclair S.S.	Whitby, ON
Tisi	Justin	E.S. Jean-vanier	Welland, ON
Traplin	Alex	Guelph C. & V.I.	Guelph, ON
Verhoeve	Dustin	South Huron D.S.S.	Exeter, ON
Wang	Bob	Merivale H.S.	Ottawa, ON
Wang	Hengrui	Jarvis C.I.	Toronto, ON
Wang	Owen	Dr. Norman Bethune C.I.	Scarborough, ON
Xing	Siyuan	Vincent Massey S.S.	Windsor, ON
Yan	Michael	Crescent School	Willowdale, ON
Yandon	Robert	Merivale H.S.	Ottawa, ON

Senior Competitors

Students are listed in alphabetical order within each group.

Dans chaque group, les élèves sont nommés en ordre alphabétiques.

Name/Nom	School/École	Location/Endroit
Invitees to Stage 2 of the 2004 Canadian Computing Competition		
Baskin	Jacob	Univ. Of Toronto Schools
Borac	Andrei	Homeschool
Flack	Robert	Thorold S.S.
Huh	Pilwon	Bishop Allen Academy
Kang	Bumkue	Vaughan S.S.
Kashigar	Aidin	Sir Frederick Banting S.S.
Kramar	Janos	Univ. Of Toronto Schools
Lee	Vincent	Vaughan S.S.
Li	Yichun	Victoria Park S.S.
Ma	Rui	Vincent Massey S.S.
Ma	William	Waterloo C.I.
Mckellar	Danny	St. David C.S.S.
Parent	Simon	Kitchener-Waterloo C.I. & V.I.
Peng	Richard	Vaughan Road Academy
Singh	Vishvajit	Markville S.S.
Skarine	Vassili	Northview Heights S.S.
Suffling	Dave	Kitchener-Waterloo C.I. & V.I.
Sun	John	Vincent Massey S.S.
Tay	Darin	The York School
Weir	Mike	St. Peter C.H.S.
Wright	Alex	John F. Ross C.V.I.
Zhao	Yin	Vincent Massey S.S.
Honourable Mention		
Brotherston	Daniel	Sir Frederick Banting S.S.
Choong	Alexander	Woburn Collegiate Institute
Crooks	David	Western Canada H.S.
Fikree	Mobeen	St. Francis Xavier Secondary S
Ford	Nicholas	Centennial C. & V.I.
Gedge	Jason	Coaker Academy
Gootman	David	Richmond Hill H.S.
Guzman	Marcel	Moscrop Secondary School
Hao	Weibo	Vincent Massey S.S.
Leong	Alex	Waterloo C.I.
Mcmurray	Scott	Marianopolis College
Meng	Nick	Lisgar C.I.
Modirshanechi	Amirali	Don Mills C.I.
Mok	Siupak	Markville S.S.
Mota	Chris	Vaughan S.S.
Ngai	Darryl	Vaughan S.S.
Pak	Brian	Vaughan S.S.
Pham	Luan	London Central S.S.
Poon	Canice	Markham D.H.S.

Canadian Student Honour Roll**Palmarès des élèves à l'échelle nationale**

Name/Nom		School/École	Location/Endroit
Purvis	Michael	Leaside H.S.	East York, ON
Roper	David	St. George's School	Vancouver, BC
Runnalls	Brett	Eastview S.S.	Barrie, ON
Sennikov	Dmitri	Forest Hill C.I.	Toronto, ON
Swartz	Ian	Vaughan S.S.	Thornhill, ON
Tarnow	Lee	Vaughan S.S.	Thornhill, ON
Woroshow	Eric	Dr. Norman Bethune C.I.	Scarborough, ON
Xie	Kelvin	Vincent Massey S.S.	Windsor, ON
Yasotharan	Hemesh	Dr. Norman Bethune C.I.	Scarborough, ON
Yeung	Nicholas	Markham D.H.S.	Markham, ON
Group 3: Scores from 31 to 35			
Albrecht	Ryan	Gordon Graydon Memorial S.S.	Mississauga, ON
Allan	Brennan	Sinclair S.S.	Whitby, ON
Arnott	Andrew	Grand River C.I.	Kitchener, ON
Bright	Curtis	White Pines C. & V.S.	Sault Ste. Marie, ON
Cho	Cheelun	Riverdale C.I.	Toronto, ON
Fine	Eli	St. George's School	Vancouver, BC
Fiori	Daniel	Sir Robert Borden H.S.	Nepean, ON
Folland	Eric	Bluevale C.I.	Waterloo, ON
Gerskup	Mitchell	Richmond Hill H.S.	Richmond Hill, ON
Haber	Joshua	Thornhill S.S.	Thornhill, ON
Haugli	Chris	Lisgar C.I.	Ottawa, ON
Hwang	Andy	Thornhill S.S.	Thornhill, ON
Karau	Holden	Nepean H.S.	Ottawa, ON
Karimov	Tchinguiz	Newtonbrook S.S.	North York, ON
Kwok	Wilson	Dr. Norman Bethune C.I.	Scarborough, ON
Li	Frank	Richmond Hill H.S.	Richmond Hill, ON
Lucarz	Michael	The Woodlands S.	Mississauga, ON
Mcmullin	Greg	St. Thomas Aquinas S.S.	Brampton, ON
Murray	Bradley	Pickering H.S.	Ajax, ON
Patterson	Benn	Erindale S.S.	Mississauga, ON
Podbevsek	Mark	Heart Lake S.S.	Brampton, ON
Roberts	Matthew	Adam Scott C. & V.I.	Peterborough, ON
Ryoo	Seunghan	St. Ignatius Of Loyola H.S.	Oakville, ON
Saunders	William	Waterloo C.I.	Waterloo, ON
Shanmuganayaga	Dhaksa	Milliken Mills H.S.	Unionville, ON
Shorten	Andrew	St. Francis Xavier Secondary S	Mississauga, ON
Simas	Shawn	Forest Heights C.I.	Kitchener, ON
Sun	Andy	Vincent Massey S.S.	Windsor, ON
Weir	Ryan	John F. Ross C.V.I.	Guelph, ON
Yim	Jennifer	Woburn Collegiate Institute	Toronto, ON
Zhang	Baosen	Waterloo C.I.	Waterloo, ON
Group 4: Scores from 26 to 30			
Axford	Jonathan	Western Canada H.S.	Calgary, AB
Berckmans	Ryan	Sir Winston Churchill S.S.	St. Catharines, ON
Blake	Brian	Eastwood C.I.	Kitchener, ON
Bobkin	Sergei	St. Thomas Aquinas S.S.	London, ON
Butler	Michael	Kitchener-Waterloo C.I. & V.I.	Kitchener, ON

Canadian Student Honour Roll**Palmarès des élèves à l'échelle nationale**

Name/Nom		School/École	Location/Endroit
Cecile	Daniel	Kitchener-Waterloo C.I. & V.I.	Kitchener, ON
Chernysh	Dmytro	Father John Redmond H.S.	Etobicoke, ON
Christiaans	Paul	St. Thomas Aquinas S.S.	London, ON
Drozdyuk	George	Alexander Mackenzie H.S.	Richmond Hill, ON
Ellenzweig	Michael	Pickering H.S.	Ajax, ON
Evensen	Chris	Riverdale C.I.	Toronto, ON
Forsyth	Peter	St. John's Kilmarnock School	Breslau, ON
Gawne	Caleb	Waterloo C.I.	Waterloo, ON
Grant	Elyot	Cameron Heights C.I.	Kitchener, ON
Groat	Neil	Sinclair S.S.	Whitby, ON
Grobnic	Andrei	Lisgar C.I.	Ottawa, ON
Hadi	Daniel	Pickering H.S.	Ajax, ON
Hembruff	Jesse	Nelson H.S.	Burlington, ON
Ho	Cindy	Milliken Mills H.S.	Unionville, ON
Huang	Carol	Woburn Collegiate Institute	Toronto, ON
Hubbard	Sebastian	Pope John Paul Ii S.S.	Scarborough, ON
Inozemtsev	Grigori	Sinclair S.S.	Whitby, ON
Iutzi	Ryan	St. David C.S.S.	Waterloo, ON
Jamieson	Chris	St. Mary's C.S.S.	Hamilton, ON
Jones	Tristan	Western Canada H.S.	Calgary, AB
Kerr	Ian	Wallaceburg D.S.S.	Wallaceburg, ON
Kudva	Vinit	Glenforest S.S.	Mississauga, ON
Kwok	Turbo	Thornlea S.S.	Thornhill, ON
Lau	Kitty	Markham D.H.S.	Markham, ON
Lawrence	Matt	A.B. Lucas S.S.	London, ON
Li	Thomas	Dr. Norman Bethune C.I.	Scarborough, ON
Li	Xiaoguang	Nepean H.S.	Ottawa, ON
Lin	Allan	Woburn Collegiate Institute	Toronto, ON
Lu	Lucy	Marc Garneau C.I.	Don Mills, ON
Macdonald	Peter	O'Neill C.V.I.	Oshawa, ON
Martonosi	Janos	John F. Ross C.V.I.	Guelph, ON
Meingarten	Corey	Woburn Collegiate Institute	Toronto, ON
Miranda	Erik	Heart Lake S.S.	Brampton, ON
Murchie	Ryan	North Park C.I.	Brantford, ON
Narayanareddy	Suraj	Woburn Collegiate Institute	Toronto, ON
Nasmith	Mike	Markville S.S.	Markham, ON
Ohare	Malc	St. Andrew's College	Aurora, ON
Paris	Jesse	Moscrop Secondary School	Burnaby, BC
Plachta	Jacob	Woburn Collegiate Institute	Toronto, ON
Rakov	Maria	Richmond Hill H.S.	Richmond Hill, ON
Ravichandiran	Mayoorendr	Woburn Collegiate Institute	Toronto, ON
Richman	Ryan	St. Thomas Aquinas S.S.	London, ON
Rosselet	Andrew	Woburn Collegiate Institute	Toronto, ON
Ruggier	Simon	St. Andrew's College	Aurora, ON
Ruttkey	Ondrej	Iona C.S.S.	Mississauga, ON
Schmidt	Jake	Central Elgin C.I.	St. Thomas, ON
Sharp	Chris	Woburn Collegiate Institute	Toronto, ON
Shen	Jimmy	Vincent Massey S.S.	Windsor, ON
Shen	Yizhe	John F. Ross C.V.I.	Guelph, ON
Shih	David	Glenforest S.S.	Mississauga, ON

Canadian Student Honour Roll**Palmarès des élèves à l'échelle nationale**

Name/Nom		School/École	Location/Endroit
Shih	Richard	Richmond Hill H.S.	Richmond Hill, ON
Soltani	Nima	Waterloo C.I.	Waterloo, ON
Sritharan	Thuwaragan	Woburn Collegiate Institute	Toronto, ON
Strauss	Michael	Regina Mundi Cath. College	London, ON
Tassie	Jonah	Bracebridge & Muskoka Lakes S.	Bracebridge, ON
Taylor	Dan	Southwood S.S.	Cambridge, ON
Tsai	Alex	Vaughan S.S.	Thornhill, ON
Tse	Jefferson	Dr. Norman Bethune C.I.	Scarborough, ON
Vaseeharan	Haran	Marc Garneau C.I.	Don Mills, ON
Villeneuve	Jeanpierre	Cardinal Carter C.H.S.	Aurora, ON
Wakefield	Joe	Bracebridge & Muskoka Lakes S.	Bracebridge, ON
White	Shaun	Vincent Massey S.S.	Windsor, ON
Willard	Ben	Forest Heights C.I.	Kitchener, ON
Williams	Carter	Kitchener-Waterloo C.I. & V.I.	Kitchener, ON
Wong	Elaine	Woburn Collegiate Institute	Toronto, ON
Wong	Joshua	St. Francis Xavier Secondary S	Mississauga, ON
Zahl	Josh	Lisgar C.I.	Ottawa, ON
Zargham	Amir	Thornlea S.S.	Thornhill, ON
Zhou	Ryan	Adam Scott C. & V.I.	Peterborough, ON

Problem Averages**Moyenne par problèmes**

Problem	All Contestants	Non-Zero Scores	Problem	All Contestants	Non-Zero Scores
Junior 1	13.36	14.08	Senior 1	9.26	11.49
Junior 2	11.65	13.04	Senior 2	5.99	8.88
Junior 3	11.33	14.13	Senior 3	1.70	7.05
Junior 4	5.03	12.01	Senior 4	0.51	6.14
Junior 5	0.28	4.77	Senior 5	0.38	6.2

The averages denoted as “All Contestants” in the above table indicate all students in the division.

The averages denoted as “Non-Zero” scores in the above table include only students in the division who received a non-zero score on the problem.

There were 623 Senior contestants and 658 Junior contestants.

Student Rankings**Classement des élèves**

<i>Junior Competitors</i>						<i>Senior Competitors</i>					
Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position
75	1	49	222	29	514	74	1	38	39	18	273
72	3	48	225	28	529	73	2	37	41	17	288
69	4	47	238	27	539	66	4	36	43	16	306
67	8	46	246	26	548	63	5	35	52	15	315
66	9	45	251	25	552	60	6	34	57	14	364
65	11	44	342	24	557	59	7	33	59	13	385
63	16	43	369	23	561	57	9	32	67	12	401
62	27	42	389	22	568	56	11	31	76	11	418
61	31	41	406	21	571	55	12	30	83	10	434
60	33	40	419	20	574	54	15	29	104		
59	100	39	429	19	576	53	16	28	115		
58	123	38	433	18	577	49	17	27	132		
57	137	37	444	17	583	47	20	26	142		
56	158	36	449	16	586	46	23	25	157		
55	173	35	455	15	590	45	24	24	168		
54	182	34	458	14	606	44	30	23	188		
53	197	33	464	13	612	43	31	22	196		
52	202	32	478	12	615	42	32	21	225		
51	207	31	482	11	621	40	33	20	243		
50	216	30	486	10	623	39	35	19	257		

2004 Canadian Computing Competition Committee

Rich Clausi Elmira District Secondary School Elmira, Ontario	Prof. Gord Cormack School of Computer Science University of Waterloo	Prof. Ian Munro School of Computer Science University of Waterloo
Donny Cheung Graduate Student University of Waterloo	Sandy Graham Office of the Dean – Math University of Waterloo	Roy Parteno St. Marguerite d’Youville S.S Brampton, ON
Gordon Chiu Undergraduate Student University of Waterloo	Graeme Kemkes Graduate Student University of Waterloo	Troy Vasiga (Director) School of Computer Science University of Waterloo
	Derek Kisman Bioinformatics Corp. Waterloo, ON	