

The Canadian Mathematical Society



La Société mathématique du Canada

in collaboration with / en collaboration avec

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



Le CENTRE d'ÉDUCATION  
en MATHÉMATIQUES  
et en INFORMATIQUE  
Faculté de mathématiques  
Université de Waterloo  
Waterloo, Ontario, Canada N2L 3G1

**2009**  
**Results**

**2009**  
**Résultats**

***Sun Life Financial  
Canadian Open  
Mathematics  
Challenge***

***Défi ouvert  
canadien  
de mathématiques  
Financière  
Sun Life***



The Sun Life Financial Canadian Open Mathematics Challenge (COMC) is a collaborative initiative between the Canadian Mathematical Society (CMS) and Centre for Education in Mathematics and Computing (CEMC), based at the University of Waterloo. The competition is one in a series of CMS competitions leading to the selection of the Canadian student team to compete in the International Mathematical Olympiad (IMO), and provides an excellent complement to the CEMC's mathematical competitions.

The purpose of the Sun Life Financial COMC is to encourage students to explore, discover, and learn more about mathematics and problem solving. At the same time, the competition serves to provide teachers with a unique student enrichment activity during the fall term.

Outstanding performance in the Sun Life Financial COMC is recognized in three ways. First, Provincial Champions and their respective schools are each awarded a plaque. Second, a number of high-ranking students in each jurisdiction are awarded Gold Medals. Third, the top-ranked fifty or so students are invited to write the more advanced Canadian Mathematical Olympiad (CMO), and their schools each receive a subscription to the CMS's internationally recognized problem solving journal *CRUX with MAYHEM*.

For students in grades 8 to 10 who wrote the 2009 competition, the results are considered for invitations to the 2010 CMS National Math Camp. The National Camp is designed primarily for younger Canadian students with at least two years remaining in high school and with the potential to compete at the mathematical olympiad level. Participation in the National Camp is by invitation only. The CMS, in partnership with universities across Canada, also stages select regional math camps.

Le Défi ouvert canadien de mathématiques Financière Sun Life (DOCM) est une activité en collaboration entre la Société mathématique du Canada (SMC) et le Centre d'éducation en mathématiques et en informatique (CEMI). La compétition est l'une d'une série de compétitions de la SMC menant à la sélection d'une équipe d'étudiants canadiens qui feront compétition dans l'Olympiade mathématique internationale (OMI) et fournit un complément excellent aux compétitions de mathématiques du CEMI.

Le but du DOCM Financière Sun Life est d'encourager les étudiants à explorer, découvrir et apprendre les mathématiques et la résolution de problèmes. En même temps, la compétition sert d'activité d'enrichissement que les enseignants peuvent utiliser avec leurs étudiants pendant la session d'automne.

Les résultats exceptionnels obtenus lors du DOCM Financière Sun Life sont soulignés de trois façons. Premièrement, les champions provinciaux sont nommés et reçoivent une plaque, tout comme leur école. Deuxièmement, les élèves de chaque région qui ont obtenu des résultats élevés se voient remettre une médaille d'or. Troisièmement, une cinquantaine d'élèves ayant obtenu les meilleurs résultats au DOCM sont invités à Olympiade mathématique du Canada et leurs écoles reçoivent un abonnement gratuit à *CRUX with MAYHEM*, le journal de résolution de problèmes de renommée internationale de la SMC.

Les résultats des élèves de la 8e à la 10e année qui ont participé au DOCM 2009 servent à déterminer qui sera invité au Camp national de mathématique SMC. Le camp national vise principalement les jeunes élèves canadiens auxquels il reste au moins deux années d'études secondaires à terminer, et qui ont le potentiel nécessaire pour participer à une olympiade mathématique. La participation au Camp national se fait sur invitation seulement. La SMC, en partenariat avec les universités d'à travers le Canada, organise une sélection de camps de mathématiques.

## The 2009 Results

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In 2009, slightly more than 9600 students registered to write the Sun Life Financial COMC. Almost 8400 students subsequently submitted their solutions for grading and the overall average grade was 39.3 out of 80. The 2009 competition had student participation from each province and from Nunavut. The Sun Life Financial COMC also attracted significant international participation with 1135 of the solutions submitted coming from international students.

Competition problems are designed to be original, to require some curricular knowledge, to apply some problem solving techniques, and to provide some insight. We hope that students and teachers alike enjoy trying and solving competition problems and discovering something interesting and surprising along the way. The first six problems in Part A and the first two problems in Part B are designed to be accessible in content to all students writing the competition. Each requires some reading, some thought, and some calculation. The last two problems in Part A are designed to be more challenging, and the later problems in Part B are meant to require some additional knowledge and an element of inspiration. Few students should expect to be able to solve all of the problems in the given time. Students are encouraged to revisit any of the competition problems they did not solve and to talk to their teachers and classmates about them.

A competition like the Sun Life Financial COMC is a substantial undertaking and is only made possible by the efforts of many volunteers and staff. The CMS and the CEMC develop and manage the competition alongside a committee of volunteers. Teachers across Canada give selflessly of their time to help their students prepare for the competition. A team of 80 volunteers staffs the intense and timely marking of all the submissions. Without the work of these dedicated individuals, the success of the competition would not be possible, nor would the competition be able to support the growing participation rates.

Mathematics is a vital part of what happens in the world around us. In the twenty-first century, mathematics is more important than ever to help sustain our individual and national success. The Sun Life Financial COMC provides students with a unique opportunity to discover, learn, and apply mathematics – and more importantly, to fuel an interest that is critical to our future.

Enquiries regarding the Sun Life Financial COMC should be directed to:

Johan Rudnick, Executive Director, CMS, 613-733-2662 ext. 721, [director@cms.math.ca](mailto:director@cms.math.ca)  
Ian VanderBurgh, Director, CEMC, 519-888-4567 ext. 32358, [iwtvande@uwaterloo.ca](mailto:iwtvande@uwaterloo.ca)

En 2009, un peu plus de 9600 étudiants se sont inscrits pour participer au DOCM Financière Sun Life. Par la suite, presque 8400 étudiants ont soumis leurs solutions pour la correction et la note moyenne était de 39,3 sur 80. La compétition 2009 a entraîné la participation d'étudiants de chaque province et de Nunavut. Le DOCM Financière Sun Life a aussi attiré une participation internationale significative. 1135 des solutions soumises appartenaient à des étudiants internationaux.

Les problèmes de la compétition sont originaux, exigent quelques connaissances du curriculum, demandent l'application de quelques techniques de résolution de problème et exigent aussi de la perspicacité. Nous espérons que les étudiants aussi bien que les professeurs apprécient de tenter et résoudre les problèmes de la compétition et de découvrir quelque chose d'intéressant et d'étonnant en cours de route. Les premiers six problèmes dans la section A et les premiers deux problèmes dans la section B ont été conçus pour être accessibles à tous les étudiants qui participaient à la compétition. Chacun exigeait de la lecture, un peu de réflexion et peu de calcul. Les deux derniers problèmes dans la section A ont été conçus pour défier les étudiants et les derniers problèmes dans la section B exigeaient quelques connaissances supplémentaires et un élément d'inspiration. Peu d'étudiants devaient compter à pouvoir résoudre tous les problèmes dans le temps donné. Les étudiants sont encouragés à revisiter n'importe quel problème de la compétition qu'ils n'ont pas résolu et à parler à leurs professeurs et leurs camarades de classe.

Une compétition comme le DOCM Financière Sun Life est une entreprise substantielle et est seulement possible grâce aux efforts de beaucoup de volontaires et d'employées. La SMC et le CEMI développent et gèrent la compétition avec un comité de volontaires. Des professeurs d'à travers le Canada volontairement donnent leur temps afin d'aider leurs étudiants à se préparer à la compétition. Une équipe de 80 volontaires font la correction intense et opportune de toutes les soumissions. Sans le travail de ces individus dévoués, le succès de la compétition ne serait pas possible et la compétition ne pourrait pas soutenir les taux de participation croissants.

Les mathématiques sont une partie vitale de ce qui arrive dans le monde autour de nous. Dans le 21<sup>e</sup> siècle, les mathématiques sont plus importantes que jamais et aide à soutenir notre succès individuel et notre succès national. Le DOCM Financière Sun Life fournit aux étudiants une occasion unique de découvrir, apprendre, et appliquer les mathématiques – et d'une manière plus importante, alimente un intérêt qui est critique à notre avenir.

Des questions au sujet du DOCM Financière Sun Life devraient être dirigé à :

Johan Rudnick, Directeur exécutif, SMC, 613-733-2662 ext. 721, [director@cms.math.ca](mailto:director@cms.math.ca)

Ian VanderBurgh, Directeur, CEMI, 519-888-4567 ext. 32358, [iwtvande@uwaterloo.ca](mailto:iwtvande@uwaterloo.ca)

If you would like to print a copy of the 2009 Sun Life Financial Canadian Open Mathematics Challenge Contest paper or Solutions, please visit our web site at <http://www.cemc.uwaterloo.ca/contests/open.html>.

Si vous voulez imprimer une copie du Défi ouvert canadien de mathématiques Financière Sun Life de 2009 ou de ses solutions, veuillez visiter notre site Web à <http://www.cemc.uwaterloo.ca/contests/open-f.html>.

### Part A

1. Very well done. Most students used a “pairing” argument to calculate the final answer.  
Average: 4.9
2. Very well done. Most students recognized how to separate 5073 into multiples of powers of 10. A few students tried unsuccessfully to use logarithms to solve this problem.  
Average: 4.5
3. Well done. The most common errors were giving the number of quarters (instead of the number of dimes) and using the inequality  $d > \frac{50}{7}$  to conclude that  $d = 7$  was the smallest possible integer value of  $d$  (instead of  $d = 8$ ).  
Average: 4.8
4. Students who obtained the correct answer of 20 did so in a variety of different ways. The most common incorrect answers were 10, 60 and 180.  
Average: 2.9
5. Many of the students who were successful in solving this problem used a tree diagram to count the number of possible paths.  
Average: 1.7
6. Most students who achieved some success on this problem started by setting  $\angle ABC = y$  and  $\angle BAC = x$ , and then concluding that  $2x + y = 180^\circ$  (using the angles of  $\triangle ABC$ ) and that  $y = x + 120^\circ$  (looking at  $\angle BCD$ ). This allowed them to determine that  $y = 140^\circ$ , which they then used to conclude that the polygon had 9 sides.  
Average: 1.8
7. A good number of students were able to correctly apply logarithm rules to obtain the equation  $-3 \sin \theta = 2 \cos^2 \theta$ . From here, a smaller number of students obtained the answers  $\theta = 210^\circ$  or  $\theta = 330^\circ$ . A common mistake at the very end of this problem was not to double check that both of these values of  $\theta$  actually satisfy the original equation.  
Average: 1.1
8. Most students who attempted this problem used some form of trial and error. Many students were able to guess that  $(4, 1, 2)$  and  $(6, 5, 5)$  are solutions, but very few students obtained the third triple  $(14, 13, 13)$ . Only a small number of students used an algebraic approach.  
Average: 0.8

### Part B

1. Very well done. A common error in part (b) was concluding that  $AD = 14$  instead of concluding that  $DB = 14$ .  
Average: 8.5
2. In this problem, most students had a good idea of what to do, but struggled with the arithmetic and the algebraic manipulations involved. A few students tried drawing a diagram to determine the coordinates of the relevant points in (b) and (c).  
Average: 6.0
3. In part (a), many students managed to get at least one of the fixed points by trial and error. Very few students were able to solve part (b); of those who did, most did not attempt any simplifications, but instead ploughed through the required algebra. Part (c) met with more success than part (b). A good number of students reduced the problem to solving an equation like  $u^4 - u^3 = -2$ , but then had difficulty proving that there were no real roots.  
Average: 1.8

## Comments on the Paper

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4. The first large hurdle in this problem was actually understanding the definition of the given function. Very few students earned full marks in part (a). Some students did come up with the correct list of values of  $a$ , but did not justify sufficiently where these came from. Success in parts (b) and (c) required both substantial insight and excellent algebraic and number theoretic skills.

Average: 0.5

**Partie A**

1. Ce problème a été très bien réussi. La plupart des élèves ont procédé en regroupant les termes deux à deux.  
Moyenne: 4,9
2. Ce problème a été très bien réussi. La plupart des élèves ont exprimé 5073 comme somme de multiples de puissances de 10. Certains élèves ont utilisé des logarithmes sans succès.  
Moyenne: 4,5
3. Ce problème a été bien réussi. Deux erreurs communes: on a répondu en donnant le plus petit nombre possible de pièces de 25 ¢ (plutôt que le nombre de pièces de 10 ¢) et en utilisant l'inéquation  $d > \frac{50}{7}$  ( $d$  étant le nombre de pièces de 10 ¢), on a conclu que la plus petite valeur possible de  $d$  était  $d = 7$  (au lieu de  $d = 8$ ).  
Moyenne: 4,8
4. Les élèves qui ont obtenu la bonne réponse, soit 20, ont utilisé une variété d'approches. Les réponses erronées les plus communes étaient 10, 60 et 180.  
Moyenne: 2,9
5. Un bon nombre des élèves qui ont réussi à résoudre ce problème ont utilisé un diagramme en arbre pour compter le nombre de suites possibles.  
Moyenne: 1,7
6. La plupart des élèves qui ont connu un certain succès ont commencé en posant  $\angle ABC = y^\circ$  et  $\angle BAC = x^\circ$  pour conclure que  $2x + y = 180$  (selon les propriétés du triangle  $ABC$ ) et  $y = x + 120$  (en se référant à l'angle  $BCD$ ). Cela leur a permis de conclure que  $y = 140$  et de là, que le polygone avait 9 côtés.  
Moyenne: 1,8
7. Un bon nombre d'élèves ont réussi à utiliser les lois des logarithmes pour obtenir l'équation  $-3 \sin \theta = 2 \cos^2 \theta$ . Un certain nombre ont pu poursuivre pour obtenir  $\theta = 210^\circ$  ou  $\theta = 330^\circ$ . Peu d'entre eux ont vérifié si ces deux valeurs de  $\theta$  satisfaisaient à l'équation initiale.  
Moyenne: 1,1
8. La plupart des élèves qui ont tenté de résoudre ce problème ont procédé par tâtonnements. Bon nombre d'élèves ont réussi à obtenir les triplets  $(4, 1, 2)$  et  $(6, 5, 5)$ , mais très peu d'entre eux ont obtenu le triplet  $(14, 13, 13)$ . Un petit nombre d'élèves ont utilisé une approche algébrique.  
Moyenne: 0,8

**Partie B**

1. Ce problème a été très bien réussi. Dans la partie (b), bon nombre d'élèves ont conclu que  $AD = 14$  au lieu de  $DB = 14$ .  
Moyenne: 8,5
2. La plupart des élèves savaient comment s'y prendre, mais bon nombre d'entre eux ont éprouvé des difficultés par rapport aux manipulations arithmétiques ou algébriques. Dans les parties (b) et (c), quelques élèves ont tenté d'utiliser une figure pour deviner les coordonnées de certains points.  
Moyenne: 6,0
3. Dans la partie (a), beaucoup d'élèves ont réussi à obtenir au moins un des points fixes par tâtonnements. Très peu d'élèves ont réussi à résoudre la partie (b); parmi ceux qui ont réussi, la plupart ont manipulé les expressions algébriques avec peine, sans tenter de simplifier. Les élèves ont mieux réussi la partie (c) que la partie (b). Bon nombre d'élèves ont réduit le problème à la résolution d'une équation de la forme  $u^4 - u^3 = -2$ , mais ils ont eu de la difficulté à démontrer que l'équation n'admettait aucune racine réelle.  
Moyenne: 1,8



4. Comme premier obstacle de taille, il fallait comprendre la définition de la fonction. Très peu d'élèves ont réussi à obtenir le maximum de points dans la partie (a). Certains élèves ont obtenu la liste des valeurs de  $a$ , sans toutefois suffisamment justifier leur provenance. Pour réussir dans les parties (b) et (c), il fallait avoir recours à une bonne dose de perspicacité, ainsi qu'à de bonnes connaissances et d'habiletés en algèbre et en théorie des nombres.

Moyenne: 0,5

**Provincial Plaque Winners****Gagnants des plaques provinciales**

<b>Region</b>	<b>Name/Nom</b>		<b>School/École</b>	<b>Location/Endroit</b>
AB	SOROOSH	HEMMATI	WESTERN CANADA H.S.	CALGARY
BC	ROBIN	CHENG	PINETREE S.S.	COQUITLAM
MB	ALBERT	LIAO	ST. JOHN'S-RAVENSCOURT SCHOOL	WINNIPEG
NB	XI	ZHANG	SAINT JOHN H.S.	SAINT JOHN
NL	JORDAN	ANSTEY	NEW WORLD ISLAND ACADEMY	SUMMERFORD
NL	JASON	LEGROW	HOLY HEART OF MARY REGIONAL H.S.	ST. JOHN'S
NS	SABA	BALVARDI	HALIFAX WEST H.S.	HALIFAX
ON Central	FANG	GUO	RICHMOND HILL H.S.	RICHMOND HILL
ON Est/East	JAMES	RICKARDS	COLONEL BY S.S.	GLOUCESTER
ON Metro	BRIAN	BI	WOBURN C.I.	SCARBOROUGH
ON Nord/North	MATTHEW	HYNDMAN	CENTRAL ALGOMA S.S.	DESBARATS
ON Ouest/West	JAMES	DUYCK	VINCENT MASSEY S.S.	WINDSOR
PE	KUAN TING	CHEN	COLONEL GRAY SR. H.S.	CHARLOTTETOWN
QC	JEAN-BENOIT	CHASLES	COLLEGE JEAN DE BREBEUF	MONTREAL
QC	SHEN	LI	MARIANOPOLIS COLLEGE	WESTMOUNT
SK	IVAN	VENDROV		SASKATOON
International	JUN HOU	FUNG	CANADIAN INT'L SCHOOL OF HONG KONG	ABERDEEN

In addition to the plaques awarded to provincial champions, up to nine medals are given in each region, at the discretion of the committee, to students who have achieved a significant score.  
En plus des plaques décernées aux champions provinciaux, un maximum de neuf médailles sont remises dans chacune des régions, à la discrétion du comité organisateur, aux étudiants qui ont obtenu des résultats satisfaisants.

Students are listed in alphabetical order in each group.  
Dans chaque groupe, les élèves sont nommés en ordre alphabétiques.

Région	Name/Nom		School/École	Location/Endroit
AB	YAROSLAV	BABICH	SIR WINSTON CHURCHILL H.S.	CALGARY
AB	DI	MO	SIR WINSTON CHURCHILL H.S.	CALGARY
AB	MARIYA	SARDARLI	STRATHCONA COMP. H.S.	EDMONTON
AB	MICHAEL	SHIRT	HARRY AINLAY H.S.	EDMONTON
AB	NAM	SONG	SIR WINSTON CHURCHILL H.S.	CALGARY
AB	YIFAN	WANG	WESTERN CANADA H.S.	CALGARY
AB	MICHAEL	WONG	WESTERN CANADA H.S.	CALGARY
AB	JUSTINE	ZHANG	SIR WINSTON CHURCHILL H.S.	CALGARY
AB	LIFU	ZHANG	WESTERN CANADA H.S.	CALGARY
BC	BRANDON	EWONUS	ST. MICHAEL'S UNIVERSITY SCHOOL	VICTORIA
BC	JIAYUE	GAO	SIR WINSTON CHURCHILL S.S.	VANCOUVER
BC	EUNG BUM	LEE	WEST VANCOUVER S.S.	WEST VANCOUVER
BC	PATRICK	PARK	MAGEE S.S.	VANCOUVER
BC	WEN YI	SONG	SEMIAMMOO S.S.	SURREY
BC	SUSAN	SUN	WEST VANCOUVER S.S.	WEST VANCOUVER
BC	LEXUAN	WANG	HUGH MCROBERTS S.S.	RICHMOND
BC	RICHARD	WANG	SIR WINSTON CHURCHILL S.S.	VANCOUVER
BC	SHEN	WANG	LORD BYNG S.S.	VANCOUVER
BC	STEVEN	YU	PINETREE S.S.	COQUITLAM
BC	JONATHAN	ZHOU	PINETREE S.S.	COQUITLAM
BC	YUQI	ZHU	UNIVERSITY HILL S.S.	VANCOUVER
Int'l	RAM	BHASKAR	ICAE	TROY, MI
Int'l	STEVEN	CHANG	ICAE	TROY, MI
Int'l	BRYNMOR	CHAPMAN	VALLEY C.S.	BEAVERTON, OR
Int'l	ZHANGCHI	CHEN	SUZHOU H.S.	SUZHOU, CHINA
Int'l	CALVIN	DENG	ENLOE H.S.	RALEIGH, NC
Int'l	NEIL	GURRAM	ICAE	TROY, MI
Int'l	TUAN	LE	FAIRMONT PREPARATORY ACADEMY	ANAHEIM, CA
Int'l	KEVIN	LI	A & M CONSOLIDATED H.S.	COLLEGE STATION, TX
Int'l	DAVID	LU	ICAE	TROY, MI
Int'l	ANUPA	MURALI	BISHOP BRADY H.S.	CONCORD, NH
Int'l	ZHONGWU	SHI	SUZHOU H.S.	SUZHOU, CHINA
Int'l	YEJIA	XU	SUZHOU H.S.	SUZHOU, CHINA
Int'l	ALLEN	YANG	CARY ACADEMY	CARY, NC
MB	YING	CHOU	BALMORAL HALL SCHOOL	WINNIPEG
MB	CHENGCHENG	GUI	ST. JOHN'S-RAVENSCOURT SCHOOL	WINNIPEG
MB	YUE	LIU	FORT RICHMOND C.I.	WINNIPEG
MB	JAPANDEEP	SETHI	FORT RICHMOND C.I.	WINNIPEG
MB	ANDREW	SONG	SHAFTESBURY H.S.	WINNIPEG
MB	QIAN	SONG	FORT RICHMOND C.I.	WINNIPEG
MB	SURAJ	SRINIVASAN	FORT RICHMOND C.I.	WINNIPEG
MB	GUANGZHE	WENG	FORT RICHMOND C.I.	WINNIPEG
MB	IRENE YUNI	XIE	ST. JOHN'S-RAVENSCOURT SCHOOL	WINNIPEG

Région	Name/Nom		School/École	Location/Endroit
NB	JI HYEN	HA HY	KENNEBECASIS VALLEY H.S.	ROTHESAY
NB	MIN KYU	KIM	BERNICE MACNAUGHTON H.S.	MONCTON
NB	JOSH	KONCOVY	KENNEBECASIS VALLEY H.S.	ROTHESAY
NB	CONNIE	LEE	FREDERICTON H.S.	FREDERICTON
NB	JOHN	MACMILLAN	MIRAMICHI VALLEY H.S.	MIRAMICHI
NB	JASON	MANLEY	BERNICE MACNAUGHTON H.S.	MONCTON
NB	JUNGJAE	NA	TANTRAMAR REG. H.S.	SACKVILLE
NB	SUNGWHAN	PARK	FREDERICTON H.S.	FREDERICTON
NB	SHUANG	SHA	LEO HAYES H.S.	FREDERICTON
NL	GREGORY	BAILEY	GANDER COLLEGIATE	GANDER
NL	DAVID	BROWNE	HOLY HEART OF MARY REG. H.S.	ST. JOHN'S
NL	JONATHAN	DUNNE	CORNER BROOK REG. H.S.	CORNER BROOK
NL	ANDREW	HILLIER	ELWOOD REG. H.S.	DEER LAKE
NL	KELVIN	KINGSLEY	CORNER BROOK REG. H.S.	CORNER BROOK
NL	MATTHEW	KNIGHT	CLARENVILLE H.S.	CLARENVILLE
NL	JUSTIN	MCGRATH	HOLY HEART OF MARY REG. H.S.	ST. JOHN'S
NL	ASMITA	SODHI	CORNER BROOK REG. H.S.	CORNER BROOK
NL	YUNZHU	YANG	HOLY HEART OF MARY REG. H.S.	ST. JOHN'S
NS	YEN PO	CHIU	HALIFAX WEST H.S.	HALIFAX
NS	PETER	CHO	HALIFAX WEST H.S.	HALIFAX
NS	DYLAN	DAY	J.L. ILSLEY H.S.	HALIFAX
NS	STEPHEN	DEERING	DR. JOHN HUGH GILLIS SCHOOL	ANTIGONISH
NS	WILLIAM	LIN	HALIFAX GRAMMAR SCHOOL	HALIFAX
NS	LUKE	LIU	HALIFAX GRAMMAR SCHOOL	HALIFAX
NS	MALCOLM	MCCULLOCH	KING'S-EDGEHILL SCHOOL	WINDSOR
NS	VINAYAK	MISHRA	HALIFAX GRAMMAR SCHOOL	HALIFAX
NS	CRAIG	OVERMARS	DR. JOHN HUGH GILLIS SCHOOL	ANTIGONISH
NS	PEIMAN	SADEGHI	HALIFAX WEST H.S.	HALIFAX
NS	IAN	WEAVER	HALIFAX WEST H.S.	HALIFAX
NU	ALOKA	WIJESOORIYA	INUKSUK H.S.	IQALUIT
ON Central	KUN	DONG	SIR WILLIAM MULLOCK S.S.	NEWMARKET
ON Central	CHANGHO	HAN	BAYVIEW S.S.	RICHMOND HILL
ON Central	DAVID	KONG	GLENFOREST S.S.	MISSISSAUGA
ON Central	ROBERT	LEE	THORNLEA S.S.	THORNHILL
ON Central	MATTHEW	NG	ST. FRANCIS XAVIER S.S.	MISSISSAUGA
ON Central	KAIYU	WU	MEADOWVALE S.S.	MISSISSAUGA
ON Central	TONGBIN	WU	WHITE OAKS S.S.	OAKVILLE
ON Central	DANIEL	YOO	THORNHILL S.S.	THORNHILL
ON Central	SIMON	YOUNAN	ST. FRANCIS XAVIER S.S.	MISSISSAUGA
ON Est	EMMA	BENJAMINSON	ASHBURY COLLEGE	ROCKCLIFFE
ON Est	SIQI	CHEN	LOYALIST C.V.I.	KINGSTON
ON Est	HYUO KEEN	CHO	LISGAR C.I.	OTTAWA
ON Est	JAY	DOU	MOIRA S.S.	BELLEVILLE
ON Est	SHIMPEI	KAWAGUCHI	ASHBURY COLLEGE	ROCKCLIFFE
ON Est	YULIYA	NESTEROVA	COLONEL BY S.S.	GLOUCESTER
ON Est	JEFF	SULLIVAN	ST. JOSEPH C.H.S.	NEPEAN
ON Est	SONJA	XIONG	LISGAR C.I.	OTTAWA
ON Est	ANDREW	XUE	LISGAR C.I.	OTTAWA
ON Est	ZHIXIN	YE	LISGAR C.I.	OTTAWA

Région	Name/Nom		School/École	Location/Endroit
ON Metro	JOSHUA	ALMAN	UNIVERSITY OF TORONTO SCHOOLS	TORONTO
ON Metro	RICHARD	CHEN	SIR JOHN A. MACDONALD C.I.	SCARBOROUGH
ON Metro	LIQING	DING	BRANKSOME HALL	TORONTO
ON Metro	ALBERT	HU	NORTHERN S.S.	TORONTO
ON Metro	FELIX	LI	UNIVERSITY OF TORONTO SCHOOLS	TORONTO
ON Metro	ZHIQIANG	LIU	DON MILLS C.I.	NORTH YORK
ON Metro	CRISTINA	ROSU	UNIVERSITY OF TORONTO SCHOOLS	TORONTO
ON Metro	JIXUAN	WANG	DON MILLS C.I.	NORTH YORK
ON Metro	ZEXUAN	WANG	A.Y. JACKSON S.S.	NORTH YORK
ON Metro	YUNG LIN	YANG	NORTHERN S.S.	TORONTO
ON Metro	ERIC	ZHAN	UNIVERSITY OF TORONTO SCHOOLS	TORONTO
ON Nord	PAUL	BENDEVIS	COLLINGWOOD C.I.	COLLINGWOOD
ON Nord	ELISE	DEVOIE	ST. IGNATIUS H.S.	THUNDER BAY
ON Nord	BEN	ECKERT	LASALLE S.S.	SUDBURY
ON Nord	SHADRIELLE	ESPIRITU	DRYDEN H.S.	DRYDEN
ON Nord	WILL	HALL	BANTING MEMORIAL H.S.	ALLISTON
ON Nord	CHRIS	HUYNH	ST. JOAN OF ARC H.S.	BARRIE
ON Nord	CHRISTOS	LOLAS	LO-ELLEN PARK S.S.	SUDBURY
ON Nord	KARTHIK	NATARAJAN	SIR WINSTON CHURCHILL C.V.I.	THUNDER BAY
ON Nord	SAMANTHA	SCHMIDT	TIMISKAMING D.S.S.	NEW LISKEARD
ON Nord	EVAN	SHEPHERDSON	TIMISKAMING D.S.S.	NEW LISKEARD
ON Nord	TAARON	VAINIO	SIR WINSTON CHURCHILL C.V.I.	THUNDER BAY
ON Ouest	SIFAN	BI	SIR JOHN A. MACDONALD S.S.	WATERLOO
ON Ouest	QIANG	FU	LONDON INT'L ACADEMY	LONDON
ON Ouest	LOUIS	HONG	SIR JOHN A. MACDONALD S.S.	WATERLOO
ON Ouest	FANGZAI	HONG	LONDON INT'L ACADEMY	LONDON
ON Ouest	DAVID SIQI	LIU	VINCENT MASSEY S.S.	WINDSOR
ON Ouest	AURICK	QIAO	VINCENT MASSEY S.S.	WINDSOR
ON Ouest	ALEX	SONG		WINDSOR
ON Ouest	CHEN	SUN	A.B. LUCAS S.S.	LONDON
ON Ouest	FAN	YIN	VINCENT MASSEY S.S.	WINDSOR
ON Ouest	BILLY	YOUNG	VINCENT MASSEY S.S.	WINDSOR
ON Ouest	PEI JUN	ZHAO	LONDON CENTRAL S.S.	LONDON
PE	ISAAC	BAI	CHARLOTTETOWN RURAL H.S.	CHARLOTTETOWN
PE	CHRIS	HUH	COLONEL GRAY SR. H.S	CHARLOTTETOWN
PE	HARRY	JIN	COLONEL GRAY SR. H.S	CHARLOTTETOWN
PE	JIawei	LI	COLONEL GRAY SR. H.S	CHARLOTTETOWN
PE	MICHAEL	LI	COLONEL GRAY SR. H.S	CHARLOTTETOWN
PE	MILLIE	PU	COLONEL GRAY SR. H.S	CHARLOTTETOWN
PE	SHENGYI	SHI	CHARLOTTETOWN RURAL H.S.	CHARLOTTETOWN
PE	WENTING	XU	COLONEL GRAY SR. H.S	CHARLOTTETOWN
PE	YAME I	ZHOU	COLONEL GRAY SR. H.S	CHARLOTTETOWN
QC	DA QI	CHEN	MARIANOPOLIS COLLEGE	WESTMOUNT
QC	ALEXANDER	COWAN	MARIANOPOLIS COLLEGE	WESTMOUNT
QC	SEBASTIEN	DAME	COLLEGE ANDRE GRASSET	MONTREAL
QC	STEVEN	FAGEN	MARIANOPOLIS COLLEGE	WESTMOUNT
QC	ALEXANDRE	GAGNE	COLLEGE DE BOIS-DE-BOULOGNE	MONTREAL
QC	TINA MARIA	MITRE	DAWSON COLLEGE	MONTREAL
QC	YANICK	PROVOST SAVARD	COLLEGE DE BOIS-DE-BOULOGNE	MONTREAL
QC	YUE RU	SUN	MARIANOPOLIS COLLEGE	WESTMOUNT
QC	ZINAN	WANG	MARIANOPOLIS COLLEGE	WESTMOUNT

Région	Name/Nom		School/École	Location/Endroit
QC	DA KUN	ZHANG	MARIANOPOLIS COLLEGE	WESTMOUNT
SK	LIZ	CHEN	WALTER MURRAY C.I.	SASKATOON
SK	ANQI	DONG	WALTER MURRAY C.I.	SASKATOON
SK	LUKAS	FEHR	WALTER MURRAY C.I.	SASKATOON
SK	KYUNGJIN	KIM	WALTER MURRAY C.I.	SASKATOON
SK	RYAN	PENG	CENTENNIAL COLLEGIATE	SASKATOON
SK	DAN	ST SIUK	EVAN HARDY C.I.	SASKATOON
SK	HAO	SUN	CENTENNIAL COLLEGIATE	SASKATOON
SK	TIM	TANG	WALTER MURRAY C.I.	SASKATOON
SK	XINGYU	ZHOU	WALTER MURRAY C.I.	SASKATOON

Students are listed in alphabetical order in each group.  
 Dans chaque groupe, les élèves sont nommés en ordre alphabétiques.

Name/Nom		School/École	Location/Endroit
<b>Group 1</b>			
RAM	BHASKAR	ICAE	TROY, MI
BRIAN	BI	WOBURN C.I.	SCARBOROUGH, ON
ROBIN	CHENG	PINETREE S.S.	COQUITLAM, BC
CALVIN	DENG	ENLOE HIGH SCHOOL	RALEIGH, NC
JAMES	DUYCK	VINCENT MASSEY S.S.	WINDSOR, ON
JUN HOU	FUNG	CANADIAN INT'L SCHOOL	ABERDEEN, HONG KONG
FANG	GUO	RICHMOND HILL H.S.	RICHMOND HILL, ON
ZHIQIANG	LIU	DON MILLS C.I.	NORTH YORK, ON
ALEX	SONG		WINDSOR, ON
<b>Group 2</b>			
		<b>Scores/Notes 73-77</b>	
STEVEN	CHANG	ICAE	TROY, MI
RICHARD	CHEN	SIR JOHN A. MACDONALD C.I.	SCARBOROUGH, ON
ZHANGCHI	CHEN	SUZHOU H.S.	SUZHOU, CHINA
NEIL	GURRAM	ICAE	TROY, MI
SOROOSH	HEMMATI	WESTERN CANADA H.S.	CALGARY, AB
LOUIS	HONG	SIR JOHN A. MACDONALD S.S.	WATERLOO, ON
TUAN	LE	FAIRMONT PREPARATORY ACADEMY	ANAHEIM, CA
DAVID	LU	ICAE	TROY, MI
ANUPA	MURALI	BISHOP BRADY H.S.	CONCORD, NH
JAMES	RICKARDS	COLONEL BY S.S.	GLOUCESTER, ON
SUSAN	SUN	WEST VANCOUVER S.S.	WEST VANCOUVER, BC
ALLEN	YANG	CARY ACADEMY	CARY, NC
SIMON	YOUNAN	ST. FRANCIS XAVIER S.S.	MISSISSAUGA, ON
STEVEN	YU	PINETREE S.S.	COQUITLAM, BC
JONATHAN Y	ZHOU	PINETREE S.S.	COQUITLAM, BC
YUQI	ZHU	UNIVERSITY HILL S.S.	VANCOUVER, BC
<b>Group 3</b>			
		<b>Scores/Notes 69-72</b>	
JOSHUA	ALMAN	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
YAROSLAV	BABICH	SIR WINSTON CHURCHILL H.S.	CALGARY, AB
BRYNMOR	CHAPMAN	VALLEY C.S.	BEAVERTON, OR
LIQING	DING	BRANKSOME HALL	TORONTO, ON
KUN	DONG	SIR WILLIAM MULOCK S.S.	NEWMARKET, ON
BRANDON	EWONUS	ST. MICHAEL'S UNIVERSITY SCHOOL	VICTORIA, BC
QIANG	FU	LONDON INT'L ACADEMY	LONDON, ON
JIAYUE	GAO	SIR WINSTON CHURCHILL S.S.	VANCOUVER, BC
HARSHA	GOTUR	ICAE	TROY, MI
CHANGHO	HAN	BAYVIEW S.S.	RICHMOND HILL, ON
ALBERT	HU	NORTHERN S.S.	TORONTO, ON
HIRSH	JAIN	ICAE	TROY, MI
SUNG JUN	KIM	THE SOUTH ISLAND SCHOOL	ABERDEEN, HONG KONG
EUNG BUM	LEE	WEST VANCOUVER S.S.	WEST VANCOUVER, BC
FELIX	LI	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
KEVIN	LI	A & M CONSOLIDATED HIGH SCHOOL	COLLEGE STATION, TX
ALBERT	LIAO	ST. JOHN'S-RAVENSCOURT SCHOOL	WINNIPEG, MB
YANGSHENG	LIU	DR. NORMAN BETHUNE C.I.	SCARBOROUGH, ON
TONGHUI	MA	SIR JOHN A. MACDONALD C.I.	SCARBOROUGH, ON
PATRICK	PARK	MAGEE S.S.	VANCOUVER, BC
CRISTINA	ROSU	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
MARIYA	SARDARLI	STRATHCONA COMP. H.S.	EDMONTON, AB

Name/Nom		School/École	Location/Endroit
QINGZHAO	SHI	ICAE	TROY, MI
ZHONGWU	SHI	SUZHOU H.S.	SUZHOU, CHINA
WEN YI	SONG	SEMIAMMOO S.S.	SURREY, BC
CHEN	SUN	A.B. LUCAS S.S.	LONDON, ON
JIXUAN	WANG	DON MILLS C.I.	NORTH YORK, ON
LEXUAN	WANG	HUGH MCROBERTS S.S.	RICHMOND, BC
RICHARD	WANG	SIR WINSTON CHURCHILL S.S.	VANCOUVER, BC
SHEN	WANG	LORD BYNG S.S.	VANCOUVER, BC
ZEXUAN	WANG	A.Y. JACKSON S.S.	NORTH YORK, ON
MICHAEL	WONG	WESTERN CANADA H.S.	CALGARY, AB
KAIYU	WU	MEADOWVALE S.S.	MISSISSAUGA, ON
TONGBIN	WU	WHITE OAKS S.S.	OAKVILLE, ON
YEJIA	XU	SUZHOU H.S.	SUZHOU, CHINA
YUNG LIN	YANG	NORTHERN S.S.	TORONTO, ON
MERTCAN	YETKIN	TEVITOL H.S.	GEBZE, TURKEY
FAN	YIN	VINCENT MASSEY S.S.	WINDSOR, ON
DANIEL	YOO	THORNHILL S.S.	THORNHILL, ON
JOE	ZENG	DON MILLS C.I.	NORTH YORK, ON
ERIC	ZHAN	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
<b>Group 4</b>			
DONG	ADEN	A.Y. JACKSON S.S.	NORTH YORK, ON
LIBIN	BAI	BRONTE COLLEGE OF CANADA	MISSISSAUGA, ON
SIFAN	BI	SIR JOHN A. MACDONALD S.S.	WATERLOO, ON
CHESTER	CASWELL	WORCESTER ACADEMY	WORCESTER, MA
GARY	CHAN	MOSCROP S.S.	BURNABY, BC
JEAN BENOI	CHASLES	COLLEGE JEAN DE BREBEUF	MONTREAL, QC
KUAN TING	CHEN	COLONEL GRAY SR. H.S.	CHARLOTTETOWN, PE
YUCHEN	CUI	MARTINGROVE C.I.	ETOBICOKE, ON
NANCY	DAI	ERINDALE S.S.	MISSISSAUGA, ON
STEVEN	FAGEN	MARIANOPOLIS COLLEGE	WESTMOUNT, QC
JERRY	FUNG	THE SOUTH ISLAND SCHOOL	ABERDEEN, HONG KONG
LANXIN	GAO	A.Y. JACKSON S.S.	NORTH YORK, ON
LORIN	GU	CRESCENT SCHOOL	NORTH YORK, ON
ZHENG YANG	GU	SUZHOU H.S.	SUZHOU, CHINA
LEO	GUO	A.Y. JACKSON S.S.	NORTH YORK, ON
HENRY	HAN	EARL HAIG S.S.	NORTH YORK, ON
GEORGE	HAO	ALBERT CAMPBELL C.I.	SCARBOROUGH, ON
FANGZAI	HONG	LONDON INT'L ACADEMY	LONDON, ON
JASON	HOU LIU	PORT MOODY SR. S.S.	PORT MOODY, BC
FEIFEI	HUANG	CENTENNIAL S.S.	COQUITLAM, BC
VARUN	JACOB JOHN	ST. ROBERT C.H.S.	THORNHILL, ON
ANTHONY	JUN	EARL HAIG S.S.	NORTH YORK, ON
DONG WON	KANG	NORTH TORONTO C.I.	TORONTO, ON
NAMHUN	KIM	ICAE	TROY, MI
PETER	KIM	THORNHILL S.S.	THORNHILL, ON
HYUN WOO	KO	WORCESTER ACADEMY	WORCESTER, MA
DAVID	KONG	GLENFOREST S.S.	MISSISSAUGA, ON
LEO	LAI	PRINCE OF WALES S.S.	VANCOUVER, BC
ANDY	LEE	ST. GEORGE'S SCHOOL	VANCOUVER, BC
KIPUNSAM	LEE	YORK MILLS C.I.	NORTH YORK, ON
ROBERT	LEE	THORNLEA S.S.	THORNHILL, ON
SUKWAN	LEE	HERITAGE WOODS S.S.	PORT MOODY, BC
EMILY	LI	ALBERT CAMPBELL C.I.	SCARBOROUGH, ON
JIANFEI	LI	CANADA INT'L COLLEGE	SCARBOROUGH, ON
SHEN	LI	MARIANOPOLIS COLLEGE	WESTMOUNT, QC



Name/Nom		School/École	Location/Endroit
WILLIAM	LIN	DAVID THOMPSON S.S.	VANCOUVER, BC
DAVID SIQI	LIU	VINCENT MASSEY S.S.	WINDSOR, ON
JACKIE	LIU	SIR WINSTON CHURCHILL S.S.	VANCOUVER, BC
KAIFAN	LIUZHAO	DAVID & MARY THOMSON C.I.	SCARBOROUGH, ON
JUNTAO	LUO	LAWRENCE PARK C.I.	TORONTO, ON
DI	MO	SIR WINSTON CHURCHILL H.S.	CALGARY, AB
MATTHEW	NG	ST. FRANCIS XAVIER S.S.	MISSISSAUGA, ON
AKHIL	NISTALA	ICAE	TROY, MI
YIGIT	OZBAS	TEVITOL H.S.	GEBZE, TURKEY
VIKRAM	PRASAD	ICAE	TROY, MI
AURICK	QIAO	VINCENT MASSEY S.S.	WINDSOR, ON
RAJ	RAINA	ICAE	TROY, MI
RITVIK	RAMKUMAR	GLENFOREST S.S.	MISSISSAUGA, ON
JUSTIN	REN	DON MILLS C.I.	NORTH YORK, ON
ANDREW	SHEN	THORNHILL S.S.	THORNHILL, ON
CHARLIE	SHEN	PINETREE S.S.	COQUITLAM, BC
HENRY	SHI	JOHN FRASER S.S.	MISSISSAUGA, ON
JIAYUE	SHI	DON MILLS C.I.	NORTH YORK, ON
MICHAEL	SHIRT	HARRY AINLAY H.S.	EDMONTON, AB
SURAJ	SRINIVASAN	FORT RICHMOND C.I.	WINNIPEG, MB
NUTTAWUT	TARAPHAN	LORD BYNG S.S.	VANCOUVER, BC
IVAN	VENDROV		SASKATOON, SK
SABRINA	WANG	RICHMOND HILL H.S.	RICHMOND HILL, ON
YUXIANG	WANG	SUZHOU H.S.	SUZHOU, CHINA
ZINAN	WANG	MARIANOPOLIS COLLEGE	WESTMOUNT, QC
ZIYU	WANG	AFFILIATED H.S. OF SOUTH CHINA NORMAL UNIVERSITY	GUANGZHOU, CHINA
ADRIAN	WU	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
AMY	WU	BURNABY SOUTH S.S.	BURNABY, BC
RUIWEN	WU	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
YU	WU	AGINCOURT C.I.	SCARBOROUGH, ON
TIAN	XIA	THE WOODLANDS SCHOOL	MISSISSAUGA, ON
YE JIN	YI	UNIVERSITY TRANSITION PROGRAM	VANCOUVER, BC
BILLY	YOUNG	VINCENT MASSEY S.S.	WINDSOR, ON
TOM	YU	R.A. MCMATH S.S.	RICHMOND, BC
CHENG	ZENG	THE WOODLANDS SCHOOL	MISSISSAUGA, ON
DA KUN	ZHANG	MARIANOPOLIS COLLEGE	WESTMOUNT, QC
JUSTINE	ZHANG	SIR WINSTON CHURCHILL H.S.	CALGARY, AB
PEI JUN	ZHAO	LONDON CENTRAL S.S.	LONDON, ON
JACK	ZHOU	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
KEVIN	ZHOU	WOBURN C.I.	SCARBOROUGH, ON
XINGYU	ZHOU	WALTER MURRAY C.I.	SASKATOON, SK
YAN	ZOU	SUZHOU H.S.	SUZHOU, CHINA
<b>Group 5</b>		<b>Scores/Notes 63-65</b>	
SEUNGJIN	AN	ST. ANDREW'S COLLEGE	AURORA, ON
IBRAHIM	ASKIN	HANDSWORTH S.S.	NORTH VANCOUVER, BC
ABDULLAH	AVLAC	TEVITOL H.S.	GEBZE, TURKEY
SABA	BALVARDI	HALIFAX WEST H.S.	HALIFAX, NS
CHENGYAN	BOON	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
ALEXEI	BORISSOV	WATERLOO C.I.	WATERLOO, ON
ADRIAN	BROWN	PRESENTATION COLLEGE	SAN FERNANDO, TRINIDAD
DA QI	CHEN	MARIANOPOLIS COLLEGE	WESTMOUNT, QC
LIZ	CHEN	WALTER MURRAY C.I.	SASKATOON, SK
PENGHONG	CHEN	UNIVERSITY TRANSITION PROGRAM	VANCOUVER, BC
RAN	CHEN	HUGH BOYD S.S.	RICHMOND, BC

Name/Nom		School/École	Location/Endroit
SI	CHENG	WATERLOO C.I.	WATERLOO, ON
HYUO KEEN	CHO	LISGAR C.I.	OTTAWA, ON
NICOLAS	CHO	MEADOWRIDGE SCHOOL	MAPLE RIDGE, BC
WONJOHN	CHOI	ST. FRANCIS XAVIER S.S.	MISSISSAUGA, ON
DANIEL	CHONG	A.B. LUCAS S.S.	LONDON, ON
ALEXANDER	COWAN	MARIANOPOLIS COLLEGE	WESTMOUNT, QC
TIANYANG	DAI	PIERRE ELLIOTT TRUDEAU H.S.	MARKHAM, ON
ZACHARY	DEVINE	THE ABELARD SCHOOL	TORONTO, ON
YUEDI	DING	GEORGES VANIER S.S.	NORTH YORK, ON
ZHUTIAN	DING	LONDON INT'L ACADEMY	LONDON, ON
ALEX	FAN	A.Y. JACKSON S.S.	NORTH YORK, ON
JIE	FENG	SUZHOU H.S.	SUZHOU, CHINA
JIAZHOU	FU	HUGH MCROBERTS S.S.	RICHMOND, BC
ALEXANDRE	GAGNE	COLLEGE DE BOIS-DE-BOULOGNE	MONTREAL, QC
XIAO	GAO	VICTORIA PARK C.I.	NORTH YORK, ON
XIAOCHEN	GU	UNIVERSITY HILL S.S.	VANCOUVER, BC
CHENGCHENG	GUI	ST. JOHN'S-RAVENSCOURT SCHOOL	WINNIPEG, MB
JIMMY	HE	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
TIM	HE	HENRY WISE WOOD SR. H.S	CALGARY, AB
GENLANG	HUANG	CANADA INT'L COLLEGE	SCARBOROUGH, ON
YUE	HUANG	SUZHOU H.S.	SUZHOU, CHINA
YISHEN	HVANG	HARRY AINLAY H.S.	EDMONTON, AB
GRACE	HWANG	A.Y. JACKSON S.S.	NORTH YORK, ON
METIN	ILGEN	AMERICAN COLLEGIATE INSTITUTE	IZMIR, TURKEY
STEVE	JI	RICHMOND HILL H.S.	RICHMOND HILL, ON
ERIC	JIA	AGINCOURT C.I.	SCARBOROUGH, ON
HEINRICH	JIANG	VINCENT MASSEY S.S.	WINDSOR, ON
MICHAEL	JUNG	YORK MILLS C.I.	NORTH YORK, ON
KAILIN	KANG	SOUTHPOINTE ACADEMY	DELTA, BC
SUFYAN	KHAN	EARL HAIG S.S.	NORTH YORK, ON
DOHEE	KIM	RIVERSIDE S.S.	PORT COQUITLAM, BC
SEOWOO	KIM	ST. ROBERT C.H.S.	THORNHILL, ON
DAVID	LEE	WESTDALE S.S.	HAMILTON, ON
JIANNENG	LI	EARL HAIG S.S.	NORTH YORK, ON
JIAWEI	LI	COLONEL GRAY SR. H.S	CHARLOTTETOWN, PE
MUFAN	LI	WESTERN CANADA H.S.	CALGARY, AB
YUFENG	LI	DR. NORMAN BETHUNE C.I.	SCARBOROUGH, ON
YI	LIU		SHANGHAI, CHINA
JINGTIAN	LIAN	VICTORIA PARK C.I.	NORTH YORK, ON
ELIZABETH	LIAO	WESTDALE S.S.	HAMILTON, ON
XUE QI	LIAO	ALBERT CAMPBELL C.I.	SCARBOROUGH, ON
URSULA ANN	LIM	BURNABY NORTH S.S.	BURNABY, BC
SUYA	LIU	LORNE PARK S.S.	MISSISSAUGA, ON
VICTOR	LIU	DR. NORMAN BETHUNE C.I.	SCARBOROUGH, ON
YUXI	LIU	FOREST HILL C.I.	TORONTO, ON
KEVIN	LUO	ERIC HAMBER S.S.	VANCOUVER, BC
ZECHEN	MA	SUZHOU H.S.	SUZHOU, CHINA
CHANUKYA	MALLA	ICAE	TROY, MI
CHENYI	MAO	DON MILLS C.I.	NORTH YORK, ON
MALCOLM	MCCULLOCH	KING'S-EDGEHILL SCHOOL	WINDSOR, NS
SENTAO	MIAO	SUZHOU H.S.	SUZHOU, CHINA
JAMES	MINOR	WESTDALE S.S.	HAMILTON, ON
TINA MARIA	MITRE	DAWSON COLLEGE	MONTREAL, QC
JUN	OH	MOSCROP S.S.	BURNABY, BC
BEN	OLDEN COOLIGAN	NORTHERN S.S.	TORONTO, ON
YESHA	OUYANG	FRASER HEIGHTS S.S.	SURREY, BC

Name/Nom		School/École	Location/Endroit
SACHIN	PADMANABHAN	ICAE	TROY, MI
DAVID	PAN	BUR OAK S.S.	MARKHAM, ON
RYAN	PENG	CENTENNIAL COLLEGIATE	SASKATOON, SK
PETER	QIANG	SIR JOHN A. MACDONALD C.I.	SCARBOROUGH, ON
HUILIAN	QIU	AFFILIATED H.S. OF SOUTH CHINA NORMAL UNIVERSITY	GUANGZHOU, CHINA
JOSEPH	RENZI	ICAE	TROY, MI
ABISHEK	SHANMUGARAJAH	VICTORIA PARK C.I.	NORTH YORK, ON
CYNTHIA	SHIN	RICHMOND HILL H.S.	RICHMOND HILL, ON
APURVA	SHRIVASTAVA	ICAE	TROY, MI
SALMAN	SIDDIQI	INT'L. SCHOOL OF CHOUEIFAT	SHARJAH, UAE
CHI YAN GI	SIU	CHINESE INT'L SCHOOL	BRAEMAR HILL, HONG KONG
NAM	SONG	SIR WINSTON CHURCHILL H.S.	CALGARY, AB
HUNTER	SPINK	WESTERN CANADA H.S.	CALGARY, AB
DAVIS	SU	VINCENT MASSEY S.S.	WINDSOR, ON
JEFF	SULLIVAN	ST. JOSEPH C.H.S.	NEPEAN, ON
PENELOPE	SUN		SCARBOROUGH, ON
YI PING	SUN	ST. FRANCIS XAVIER S.S.	MISSISSAUGA, ON
YUE RU	SUN	MARIANOPOLIS COLLEGE	WESTMOUNT, QC
CHENG EN	TSAI	FRASER HEIGHTS S.S.	SURREY, BC
MANUEL	UNG	SIR WINSTON CHURCHILL S.S.	VANCOUVER, BC
ALYANNA	UY	RICHMOND S.S.	RICHMOND, BC
ISAAC	VANDERMEULEN	WOODLAND CHRISTIAN H.S.	BRESLAU, ON
ADAM	WANG	A & M CONSOLIDATED HIGH SCHOOL	COLLEGE STATION, TX
JASON	WANG	DOVER BAY S.S.	NANAIMO, BC
JIAXIN	WANG	SIR WINSTON CHURCHILL H.S.	CALGARY, AB
JOANNA	WANG	RIVERSIDE S.S.	WINDSOR, ON
YAOU	WANG	ST. MICHAEL'S UNIVERSITY SCHOOL	VICTORIA, BC
YIFAN	WANG	WESTERN CANADA H.S.	CALGARY, AB
FRANK	WEI	DR. NORMAN BETHUNE C.I.	SCARBOROUGH, ON
KRISJANIS	WHITTAKER LEE	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
JAY YOUNG	WOO	LONDON CENTRAL S.S.	LONDON, ON
SUIZHI	WU	SUZHOU H.S.	SUZHOU, CHINA
QINGYANG	XI	WORCESTER ACADEMY	WORCESTER, MA
HANG	XIA	WHITE OAKS S.S.	OAKVILLE, ON
YIFAN	XIA	CONCORD COLLEGE OF SINO-CANADA	SHENZHEN, CHINA
TIANYAO	XIAO		BEIJING, CHINA
SELINA	XIE	MOSCROP S.S.	BURNABY, BC
XINLEI	XU	LORD BYNG S.S.	VANCOUVER, BC
ANDREW	XUE	LISGAR C.I.	OTTAWA, ON
GWENDOLYN	YANG	YORK HOUSE SCHOOL	VANCOUVER, BC
STEVEN	YANG	RICK HANSEN S.S.	MISSISSAUGA, ON
ALETHEA	YI	AGINCOURT C.I.	SCARBOROUGH, ON
BAHAR	YILMAZ	TEVITOL H.S.	GEBZE, TURKEY
RONALD	YIP	THE SOUTH ISLAND SCHOOL	ABERDEEN, HONG KONG
FANGCUN	YU	SIR JOHN A. MACDONALD C.I.	SCARBOROUGH, ON
CHENG HAO	YUAN	SEMAIHMUO S.S.	SURREY, BC
ALLEN	ZHANG	UNIVERSITY TRANSITION PROGRAM	VANCOUVER, BC
HANTAO	ZHANG	SUZHOU H.S.	SUZHOU, CHINA
LIFU	ZHANG	WESTERN CANADA H.S.	CALGARY, AB
XI	ZHANG	SAINT JOHN H.S.	SAINT JOHN, NB
XINYUAN	ZHANG	GEORGES VANIER S.S.	NORTH YORK, ON
CONGYUN	ZHOU	SENTINEL S.S.	WEST VANCOUVER, BC
YIXIANG	ZHU	WORCESTER ACADEMY	WORCESTER, MA
YU	ZHU	PINETREE S.S.	COQUITLAM, BC

Score/ Note	Rank/ Position	Score/ Note	Rank/ Position	Score/ Note	Rank/ Position
80	1	53	1266	26	6937
79	3	52	1422	25	7116
78	5	51	1573	24	7280
77	10	50	1754	23	7406
76	14	49	1930	22	7537
75	19	48	2093	21	7647
74	20	47	2290	20	7750
73	24	46	2486	19	7873
72	26	45	2697	18	7958
71	34	44	2902	17	8017
70	43	43	3122	16	8082
69	55	42	3345	15	8130
68	72	41	3598	14	8180
67	91	40	3821	13	8220
66	112	39	4068	12	8249
65	156	38	4305	11	8284
64	200	37	4528	10	8304
63	240	36	4764	9	8324
62	288	35	5035	8	8331
61	358	34	5271	7	8342
60	443	33	5484	6	8344
59	532	32	5685	5	8351
58	629	31	5901	4	
57	722	30	6132	3	8360
56	835	29	6355	2	8363
55	966	28	6559	1	8365
54	1106	27	6748	0	

**Contest Committee/Comité du concours**

Mike Eden (Chair/Président), University of Waterloo, Waterloo

Ed Barbeau, Toronto

Monika Khbeis, Ascension of Our Lord S.S., Mississauga

Brian McBain, North Lambton S.S., Forest

Ginger Moorey, Abbey Park H.S., Oakville

Daryl Tingley, University of New Brunswick, Fredericton

Joe West, University of Waterloo, Waterloo

Bruce White, Windsor

Students who do not meet the requirements of eligibility in age and schooling are classified as un-official contestants. Students are listed alphabetically.

Les étudiants qui ne sont pas de l'âge éligible ou qui ne fréquentent pas l'école ne sont pas classifiés comme concurrents. Les élèves sont nommés en ordre alphabétiques.

Name/Nom		School/École	Location/Endroit
<b>Group 1</b>			
MATTHEW	BRENNAN	UPPER CANADA COLLEGE	TORONTO, ON
LI	CHEN	ALEXANDER MACKENZIE H.S.	RICHMOND HILL, ON
YALE	FAN	VALLEY C.S.	BEAVERTON, OR
JIMMY	HOU	COWICHAN SR. S.S.	DUNCAN, BC
GWANGSEUNG	KIM		VANCOUVER, BC
KEVIN	KIM	UNIVERSITY OF TORONTO SCHOOLS	TORONTO, ON
YOSEP	LEE	SEMIAHMOO S.S.	SURREY, BC
JIAHAO	LI	AFFILIATED H.S. OF SOUTH CHINA NORMAL UNIVERSITY	GUANGZHOU, CHINA
RAN	LI	MARIANOPOLIS COLLEGE	WESTMOUNT, QC
RUI	PEI	LESTER PEARSON COLLEGE	VICTORIA, BC
YISHU	QIU	BRONTE COLLEGE OF CANADA	MISSISSAUGA, ON
KENSEN	SHI	A & M CONSOLIDATED HIGH SCHOOL	COLLEGE STATION, TX
JEFF	SUN	ST. GEORGE'S SCHOOL	VANCOUVER, BC
HAO	TIAN	COLUMBIA INT'L COLLEGE	HAMILTON, ON
HONGBIN	WU	AFFILIATED H.S. OF SOUTH CHINA NORMAL UNIVERSITY	GUANGZHOU, CHINA
JIWON	YANG	GEORGES VANIER S.S.	NORTH YORK, ON
ZIJIAN	YAO	LESTER PEARSON COLLEGE	VICTORIA, BC
BILL	YE		NORTH YORK, ON
YAOO	YUCHEN	DAVID & MARY THOMSON C.I.	SCARBOROUGH, ON
BICHENG	ZHANG	WEST VANCOUVER S.S.	WEST VANCOUVER, BC
CYRIL	ZHANG	DON MILLS C.I.	NORTH YORK, ON
ZHENGDA	ZHANG	BRONTE COLLEGE OF CANADA	MISSISSAUGA, ON
TIANCHENG	ZHAO	BEIJING CONCORD COLLEGE OF SINO-CANADA	BEIJING, CHINA