



The CENTRE for EDUCATION
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION
en MATHÉMATIQUES et en INFORMATIQUE

www.cemc.uwaterloo.ca

2022

Results

2022

Résultats

Euclid Contest

Concours Euclide



***Centre for Education in Mathematics and Computing Faculty and Staff /
Personnel du Centre d'éducation en mathématiques et informatique***

Ed Anderson	Carrie Knoll
Jeff Anderson	Wesley Korir
Terry Bae	Judith Koeller
Jacquelene Bailey	Laura Kreuzer
Shane Bauman	Bev Marshman
Ersal Cahit	Josh McDonald
Diana Castañeda Santos	Paul McGrath
Sarah Chan	Comfort Mintah
Ashely Congi	Jen Nelson
Serge D'Alessio	Ian Payne
Fiona Dunbar	J.P. Pretti
Mike Eden	Alexandra Rideout
Sandy Emms	Nick Rollick
Barry Ferguson	Kim Schnarr
Steve Furino	Tucker Seabrook
Lucie Galinon	Ashley Sorensen
Robert Garbary	Ian VanderBurgh
Rob Gleeson	Troy Vasiga
Sandy Graham	Christine Vender
Conrad Hewitt	Heather Vo
Lisa Kabesh	Bonnie Yi
Jenn Kelebuda	

Problems Committee / Comité des problèmes

Fiona Dunbar (Chair / présidente), University of Waterloo, Waterloo, ON
Steve Brown, University of Waterloo, Waterloo, ON
Janet Christ, Walter Murray C.I., Saskatoon, SK
Serge D'Alessio, University of Waterloo, Waterloo, ON
Charlotte Danard, Toronto, ON
Jeremy Klassen, Ross Shepherd H.S., Edmonton, AB
Darren Luoma, Bear Creek S.S., Barrie, ON
Paul McGrath, University of Waterloo, Waterloo, ON
Mohamed Omar, Harvey Mudd College, Claremont, CA
Alex Pintilie, Toronto, ON
David Pritchard, Los Angeles, CA
Mark Skanks, Claremont S.S., Victoria, BC
Laurissa Werhun, Martingrove C.I., Toronto, ON

Overall Comments

Congratulations to all of the participants in the 2022 Euclid Contest. The average score in 2022 was 52.7. We were very pleased that almost all students achieved some success on the early parts of the paper. At the same time, the later parts of these problems managed to challenge the top students.

We at the Centre for Education in Mathematics and Computing believe strongly that it is very important for students to both learn to solve mathematics problems and learn to write good solutions to these problems. Many students do a reasonable job of writing solutions, while others still include no explanation whatsoever.

Special thanks go to the Euclid Committee that annually sets the Contest problems and manages to achieve a very difficult balancing act of providing both accessible and challenging problems on the same paper.

We would also like to thank all participants, both teachers and students. We hope that the papers provided you with some interesting mathematics to think about and play with. Thank you for your support! Please continue to encourage your colleagues and fellow students to become involved in our activities.

Specific Comments

1. Average: 9.6

Very well done. Some students were unsure when to use \pm .

2. Average: 8.1

Very well done. In part (a), many students included the pair (1, 2022) which does not fit the given range. In part (b), many students let $c = 0$ which also does not fit the range, since c is not positive. In (c), some students did not know what to do after expanding the binomials. Other students needed to be clearer in their explanations with how they determined values of p , r and t .

3. Average: 8.0

Very well done. In part (a), some students found the final amount of water in the jug (40 L) instead of the full capacity of the jug. In part (b), most students who solved this problem solved it by finding that there were $\frac{3}{55}$ of the original number of balls, and that this must be a multiple of 9. Some students gave an answer of 495, which satisfy the conditions but is not the smallest possible answer. In part (c), some students struggled with how to convert the given information into mathematical language, while a few gave a final answer of 20% instead of 80%.

4. Average: 7.0

Well done. In part (a), students that recognized they could create a bounding rectangle generally followed the problem through to completion correctly. In part (b), many students jumped straight to an equation in x with no justification. Some students incorrectly took SQ as the hypotenuse of SR . This incorrect approach yielded one positive and one negative value of x , which some students did not exclude. Some students who determined the correct values of x did not continue on to find perimeters and some calculated areas instead of perimeters.

5. Average: 6.5

Part (a) was well done. Students who did not get the correct answer were often able to get part marks for calculating a_2 or showing that they knew to work backwards. In part (b), many students understood how the inserted rod changed the distribution of the water inside the hollow tube. However, there were some students who struggled with this aspect of the problem and incorrectly calculated the necessary volumes. Some students used the incorrect formula for the volume of a cylinder, and many students did not provide sufficient words of explanation to accompany their solutions.

6. Average: 5.3

In part (a), those students who understood the function notation, this question was well done. In part (b), many students were able, from the given information, to correctly write down the system of equations that one must solve to complete the problem. However, some were not able to make any meaningful progress after that point. Of the students who proceeded further, it was often the case that the solution was all algebra without any explanation of their steps and these students did not receive full credit for their solution.

7. Average: 3.5

In part (a), the largest difficulty that students seemed to encounter was understanding the problem statement and translating it into an equation. When this was done successfully, algebraic manipulation and the use of logarithm rules generally led to the correct answer. In part (b), the cosine law was the most common successful approach used, but we also saw valid attempts that relied on dropping a perpendicular line segment from A to BD and then using the Pythagorean Theorem. For students that struggled, it was common to see $\cos \theta = -\frac{3}{5}$ translated into an approximate angle instead of comfortably working with this exact value. We also saw the error of assuming $AC = 3$ and $AD = 4$ which corresponds to $t = 1$ in the posted solutions.

8. Average: 2.0

Part (a) was generally well done given its appearance late in the paper. We saw lots of ways to use the given area to form an equation in a although the approach was not always explained as clearly as it should have been. The most popular approach was to add the areas of the two triangles formed by splitting $\triangle BVC$ along the y -axis. Calculation errors did creep into a fair number of answers. Proofs can be challenging and part (b) was no exception. Students who did make an attempt usually set up an argument as laid out in the solutions. If further progress was made, it usually lead to a contradiction but overall, more justification was needed to make most solutions airtight.

9. Average: 2.5

Most students that attempted this question found the correct sequence in part (a) and the correct sum of the terms. In part (b), we saw many different approaches for “grouping” the terms in the $(m, 3)$ -sawtooth sequence in order to calculate a closed form formula for the sum. To obtain full marks here, students needed to use the formula for the sum of the integers from 1 to m or something similar. Most students that had a complete solution to part (b) were also able to derive the general formula correctly for the sum of the terms in the general (m, n) -sawtooth sequence in part (c). Most correct solutions proceeded by noticing that $144 = n(m^2 - 1)$ and then considering all possible factor pairs of 144. Many students found the four correct answers but did receive full marks because they did not provide justification that they indeed had the complete solution set. Many students found the correct expression for the average in part (d), but very few students gave a complete argument for why this expression could never take on an integer value. Some students attempted to use the division algorithm for integers and argue that the remainder upon dividing the numerator by the denominator is never 0. These solutions were generally not successful as the expressions found for the quotient and the remainder did not have integer values in general. Most correct solutions involved polynomial division or analyzing the solutions of a quadratic equation in m . Some students argued that the numerator and the denominator had a greatest common divisor of 1 (which is true) but generally did not provide adequate justification of this claim.

10. Average: 0.2

Of students who attempted parts (a) and (b), most seemed to realize that one could assume that the first topping was placed in any convenient position (the top half of the pizza was often chosen). This usually earned at least one mark in part (a). Many students had good intuition in part (a) and managed to find the correct probability. There were two main approaches that students took to solve this problem. One was to realize that no matter where the “diameter” for the second topping was placed, it cuts the area covered by the first topping into a region larger than $\frac{1}{4}$ of the pizza and a region smaller than $\frac{1}{4}$ of the pizza. The other common approach was to consider all possible angles at which the second topping can be placed relative to the first. Most students who earned full marks in part (b) converted the problem to an area by considering all possible values of the “angle” made by the first two toppings. There were a variety of ways

to compute this area. Some students used integration, though this was not necessary. In parts (b) and (c), many students realized that the toppings could be placed by first randomly choosing n diameters ($n = 3$ in part (b)) and then choosing a side of each diameter on which to place the topping. While some students managed to count everything correctly and get the correct answer using this approach, very few students gave enough justification to earn full marks in either part (b) or part (c).

Please visit our website at cemc.uwaterloo.ca to download the 2022 Euclid Contest, plus full solutions.

Commentaires Généraux

Félicitations à tous les participants du Concours Euclide 2022. La note moyenne était 52,7. Nous avons eu le plaisir de constater que presque tous les élèves ont eu du succès dans les premières questions. De plus, les dernières parties de ces problèmes présentaient un grand défi pour les meilleurs étudiants.

Le Centre d'éducation en mathématiques et en informatique croit fortement qu'il est très important pour les étudiant(e)s d'apprendre à résoudre des problèmes de mathématiques ainsi que d'apprendre à écrire de bonnes solutions à ces problèmes. Plusieurs étudiants développent leurs solutions raisonnablement bien, tandis que d'autres n'inclus aucune explication avec leurs réponses.

Un grand merci va au comité du concours Euclide qui rassemble annuellement les problèmes du concours et réussit à accomplir la tâche difficile de concevoir des problèmes accessibles et stimulants sur le même examen.

Nous aimions remercier aussi tous les participants incluant les enseignants et les étudiants. Nous espérons que ces concours ont fourni des mathématiques intéressantes qui vous ont amusés et poussés à réfléchir. Merci pour votre soutien continué!

Remarques particulières

1. Moyenne: 9,6

Très bien réussi. Quelques élèves ne savaient pas quand utiliser \pm .

2. Moyenne: 8,1

Très bien réussi. Dans la partie (a), plusieurs élèves ont inclus le couple (1, 2022). Or, ce couple n'est pas situé dans l'intervalle donné. Dans la partie (b), plusieurs élèves ont supposé que $c = 0$, ce qui n'est pas situé non plus dans l'intervalle puisque c n'est pas positif. Dans la partie (c), quelques élèves ne savaient pas quoi faire après avoir développé les binômes tandis que d'autres manquaient de clareté dans leurs explications sur la façon dont ils ont déterminé les valeurs de p , r et t .

3. Moyenne: 8,0

Très bien réussi. Dans la partie (a), certains élèves ont déterminé le volume final d'eau dans la carafe (40 L) au lieu du volume total de la carafe. Dans la partie (b), la plupart des élèves qui ont résolu ce problème l'ont fait en déterminant qu'il y avait $\frac{3}{55}$ du nombre initial de ballons et que ce nombre devait être un multiple de 9. Quelques élèves ont donné 495 comme réponse. Or, quoique ce nombre remplisse les conditions, ce n'est pas le plus petit nombre possible. Dans la partie (c), certains élèves ont eu du mal à convertir l'information donnée en langage mathématique, tandis que quelques-uns ont donné une réponse finale de 20 % au lieu de 80 %.

4. Moyenne: 7,0

Bien réussi. Dans la partie (a), les élèves qui ont compris qu'ils pouvaient créer un rectangle englobant ont généralement bien résolu le problème jusqu'au bout. Dans la partie (b), plusieurs élèves ont directement posé une équation en x sans justification. Quelques élèves ont supposé à tort que SQ était l'hypoténuse de SR . Cette approche erronée a donné une valeur positive et une valeur négative de x , que quelques élèves n'ont pas exclues. Parmi les élèves qui ont déterminé les valeurs correctes de x , certains n'ont pas poursuivi leurs démarches pour déterminer les périmètres tandis que d'autres ont calculé des aires au lieu des périmètres.

5. Moyenne: 6,5

La partie (a) a été bien réussie. Les élèves qui n'ont pas trouvé la bonne réponse ont souvent pu obtenir des points partiels pour avoir calculé a_2 ou pour avoir démontré qu'ils savaient qu'il fallait procéder à rebours. Dans la partie (b), plusieurs élèves ont compris comment la tige insérée modifiait la distribution de l'eau à l'intérieur du tube creux. Cependant, certains élèves ont eu des difficultés à résoudre cet aspect du problème et ont mal calculé les volumes nécessaires. Quelques élèves ont utilisé la mauvaise formule pour calculer le volume d'un cylindre et de nombreux élèves n'ont pas fourni suffisamment d'explications pour accompagner leurs solutions.

6. Moyenne: 5,3

Dans la partie (a), les élèves qui ont compris la notation fonctionnelle ont bien répondu à cette question. Dans la partie (b), plusieurs élèves ont réussi à écrire le système d'équations nécessaire à la résolution du problème à partir des renseignements donnés. Cependant, quelques élèves n'ont pas été capables de progresser de manière significative après ce point. Pour ceux qui ont pu progresser après ce point, il arrivait souvent que leurs solutions contiennent des étapes algébriques sans aucune explication. Ces élèves n'ont donc pas obtenu le maximum de points.

7. Moyenne: 3,5

Dans la partie (a), la plus grande difficulté que les élèves semblaient éprouver était de comprendre l'énoncé du problème et de le traduire en une équation. Pour ceux qui ont réussi à surmonter cette épreuve, la manipulation algébrique et l'emploi des lois des logarithmes ont d'habitude mené à la bonne réponse. Dans la partie (b), la loi du cosinus a été l'approche la plus couramment utilisée. Cependant, on a également vu des solutions valables dans lesquelles l'élève abaissait une perpendiculaire de A jusqu'au côté BD et utilisait par la suite le théorème de Pythagore. Pour les élèves qui ont eu des difficultés, plusieurs traduisaient $\cos \theta = -\frac{3}{5}$ en un angle approximatif au lieu de travailler avec cette valeur exacte. Une autre erreur était le fait de supposer que $AC = 3$ et $AD = 4$, ce qui correspond à $t = 1$ dans les solutions affichées.

8. Moyenne: 2,0

La partie (a) a été bien réussie en général malgré le fait que la question est parue assez tard dans le concours. On a vu de nombreuses façons d'utiliser l'aire donnée pour former une équation en a , même si l'approche n'a pas toujours été expliquée aussi clairement qu'elle aurait dû l'être. L'approche la plus commune consistait à additionner les aires des deux triangles qui étaient formés en divisant le triangle BVC le long de l'axe des ordonnées. Des erreurs de calcul se sont glissées dans un bon nombre de réponses. Les démonstrations peuvent être difficiles et la partie (b) n'a pas fait exception. Les élèves qui ont tenté ce problème ont généralement élaboré une argumentation telle que décrite dans les solutions. Les solutions les plus complètes arrivaient souvent à une contradiction. Or, dans l'ensemble, les solutions avaient besoin de plus de justification pour qu'elles soient solides.

9. Moyenne: 2,5

La plupart des élèves qui ont tenté cette question ont trouvé la bonne suite dans la partie (a) et la somme des termes correctes. Dans la partie (b), on a vu plusieurs approches différentes qui tentaient de « regrouper » les termes de la suite en dents de scie $(m, 3)$ afin de calculer une formule de forme fermée pour la somme. Pour obtenir un maximum de points, les élèves devaient utiliser la formule de la somme des entiers de 1 à m ou une démarche similaire. La plupart des élèves qui avaient élaboré une solution complète pour la partie (b) ont également pu développer correctement la formule générale pour la somme des termes de la suite en dents de scie (m, n) de la partie (c). La plupart des solutions correctes consistaient à remarquer que $144 = n(m^2 - 1)$ et à considérer toutes les paires de diviseurs complémentaires de 144. Plusieurs élèves ont trouvé les quatre couples (m, n) mais n'ont pas obtenu le maximum de points car ils n'avaient pas expliqué que ces quatre couples représentaient l'ensemble des solutions. Plusieurs élèves ont trouvé l'expression correcte pour la moyenne dans la partie (d), mais très peu d'entre eux ont donné un argument complet expliquant pourquoi cette expression ne pouvait jamais avoir une valeur entière. Quelques élèves ont tenté d'utiliser l'algorithme de division pour les entiers et d'argumenter que le reste après la division du numérateur par le dénominateur n'est jamais égal à 0. Ces tentatives s'avéraient souvent infructueuses car les expressions trouvées pour le quotient et le reste n'avaient généralement pas de valeurs entières. La plupart des solutions correctes employaient une division polynomiale ou l'analyse des solutions d'une équation du second degré en m . Quelques élèves ont affirmé que le numérateur et le dénominateur avaient un plus grand diviseur commun de 1 (ce qui est vrai) mais n'ont généralement pas fourni une justification adéquate.

10. Moyenne: 0,2

Parmi les élèves qui ont tenté les parties (a) et (b), la plupart ont compris que l'on pouvait placer la première garniture dans n'importe quelle position pratique (les élèves choisissaient souvent la moitié supérieure de la pizza). Cela a généralement permis d'obtenir au moins un point dans la partie (a). Plusieurs élèves ont

eu une bonne intuition dans la partie (a) et ont réussi à déterminer la probabilité correcte. Les élèves ont adopté deux approches principales pour résoudre ce problème. L'une consistait à remarquer que, quel que soit l'endroit où l'on plaçait le « diamètre » de la deuxième garniture, ce diamètre divisait la partie couverte par la première garniture en une région plus grande que $\frac{1}{4}$ de la pizza et une région plus petite que $\frac{1}{4}$ de la pizza. L'autre approche courante consistait à considérer tous les angles possibles auxquels la deuxième garniture pouvait être placée par rapport à la première. La plupart des élèves qui ont obtenu un maximum de points dans la partie (b) ont converti le problème en une aire en considérant toutes les valeurs possibles de « l'angle » formé par les deux premières garnitures. Il y avait plusieurs façons de calculer cette aire. Quelques élèves ont utilisé l'intégration, bien que cela ne soit pas nécessaire. Dans les parties (b) et (c), plusieurs élèves ont compris que les garnitures pouvaient être placées en choisissant d'abord au hasard n diamètres ($n = 3$ dans la partie (b)) et en choisissant ensuite un côté de chaque diamètre sur lequel placer la garniture. Bien que certains élèves aient réussi à tout compter correctement et à obtenir la bonne réponse en utilisant cette approche, très peu d'élèves ont présenté suffisamment de justifications pour obtenir un maximum de points pour les parties (b) ou (c).

Veuillez visiter notre site Web à cemc.uwaterloo.ca pour télécharger le Concours Euclide 2022, avec solutions complètes.

STUDENTS / ÉLÈVES

Students are listed in alphabetical order. / Les élèves sont nommés en ordre alphabétique.

Plaques	Warren Bei	West Vancouver, BC
	Benjamin Dong	Mississauga, ON
	Evan Lu	Windsor, ON
	Yitong Wan	Waterloo, ON
	Yizhou Wang	Ajax, ON
	Miranda Zhao	North York, ON
	Zixiang Zhou	London, ON

Each plaque winner receives a \$500 cash prize from the Centre for Education in Mathematics and Computing. /

Chaque élève qui reçoit une plaque recevra aussi un prix de 500 \$ du Centre d'éducation en mathématiques et en informatique.

Honourable Mentions /	Jiarui Cao	Abbey Park H.S.	Oakville, ON
Mentions Honorables	Yiu him Chung	Sequam S.S.	Delta, BC
	Annika Daspal	Bill Hogarth Secondary School	Markham, ON
	Kathryn Dou	University of Toronto Schools	Toronto, ON
	Ethan Huang	St. Robert C.H.S.	Thornhill, ON
	Jonghyun Jung	Queen Margaret's School	Duncan, BC
	Jin Lu	Xspace Unicademy Vancouver	Vancouver, BC
	Yuzhong Luo	Port Moody Sr. S.S.	Port Moody, BC
	Zixi Tang	St. Robert C.H.S.	Thornhill, ON
	Xuezhi Wang	Royal St. George's College	Toronto, ON
	Daniel Yang	University of Toronto Schools	Toronto, ON
	Zhuoying Yang	Virtual Secondary School	Burlington, ON
	Tianyin Zhang	St. Robert C.H.S.	Thornhill, ON
	Zirui Zheng	Jaya Int'l H.S.	Mississauga, ON
	Jimmy Zhou	St. Robert C.H.S.	Thornhill, ON

Each student awarded an Honourable Mention receives a \$200 cash prize from the Centre for Education in Mathematics and Computing. /

Chaque élève qui reçoit une mention honorable recevra aussi un prix de 200 \$ du Centre d'éducation en mathématiques et en informatique.

TEAMS / ÉQUIPES

Champion / Première	St. Robert C.H.S.	Thornhill, ON
Second / Deuxième	Marc Garneau C.I.	North York, ON
Third / Troisième	Waterloo C.I.	Waterloo, ON
Fourth / Quatrième	University of Toronto Schools	Toronto, ON
	Virtual Secondary School	Burlington, ON

Enrollment**Inscription**

Number of schools registered by province /
Nombre d'écoles inscrit par province

AB	58
BC	188
MB	28
NB	24
NL	12
NS	25
NT	2
ON	709
PE	5
QC	29
SK	18
YT	3
International	645
Total	<hr/> 1746

Number of students registered by province / Nombre d'étudiants inscrit par province

AB	471
BC	1928
MB	244
NB	171
NL	61
NS	177
NT	10
ON	9553
PE	50
QC	310
SK	73
YT	15
International	9309
Total	<hr/> 22372

Total number of students enrolled / Nombre d'inscriptions individuelles: 22372

Student Rankings

Classements des élèves

Score/ Note	Rank/ Position	Score/ Note	Rank/ Position
100	1	48	9984
99		47	10274
98	2	46	10562
97	5	45	10882
96	9	44	11145
95	13	43	11420
94	20	42	11704
93	26	41	11942
92	35	40	12206
91	50	39	12436
90	76	38	12674
89	94	37	12885
88	177	36	13128
87	261	35	13334
86	374	34	13568
85	504	33	13801
84	649	32	13994
83	795	31	14176
82	943	30	14336
81	1140	29	14520
80	1332	28	14726
79	1549	27	14886
78	1745	26	15056
77	1934	25	15206
76	2149	24	15372
75	2369	23	15530
74	2570	22	15663
73	2782	21	15773
72	3008	20	15889
71	3257	19	15991
70	3505	18	16104
69	3765	17	16197
68	4036	16	16279
67	4282	15	16356
66	4544	14	16428
65	4812	13	16487
64	5065	12	16545
63	5315	11	16593
62	5590	10	16624
61	5865	9	16663
60	6144	8	16687
59	6432	7	16696
58	6722	6	16707
57	7019	5	16722
56	7296	4	16727
55	7642	3	16728
54	7935	2	16730
53	8309	1	16731
52	8626	0	16733
51	8993		
50	9324		
49	9664		

N.B. These rankings pertain to eligible contestants only /

N.B. Ces rangs se rapportent seulement aux concurrents admissibles

2022
Euclid Contest/Concours Euclide
Team Honour Roll/Palmarès d'équipes

Rank/Rang	School/École	City/Ville	Score/Note
1	St. Robert C.H.S.	Thornhill	285
2	Marc Garneau C.I.	North York	281
3	Waterloo C.I.	Waterloo	278
4	University of Toronto Schools	Toronto	277
4	Virtual Secondary School	Burlington	277
6	Jaya Int'l H.S.	Mississauga	274
6	Vincent Massey S.S.	Windsor	274
8	Abbey Park H.S.	Oakville	273
9	Port Moody Sr. S.S.	Port Moody	270
9	Toronto Heuristic International Academy	North York	270
11	Glenforest S.S.	Mississauga	268
12	Deran Academy	Richmond Hill	267
12	Lisgar C.I.	Ottawa	267
14	Maxfield Academy	Whitchurch-Stouffville	266
15	Colonel By S.S.	Gloucester	265
15	Laurel Heights Secondary School	Waterloo	265
15	Oakville Trafalgar H.S.	Oakville	265
15	Semiahmoo S.S.	Surrey	265
15	Walter Murray C.I.	Saskatoon	265
15	William Lyon Mackenzie C.I.	North York	265
21	Marianopolis College	Westmount	264
22	Halifax Grammar School	Halifax	262
22	London Central S.S.	London	262
22	Upper Canada College (Upper School)	Toronto	262
22	Victoria Park C.I.	North York	262
26	One Direction Academy	Toronto	261
26	Richmond Hill H.S.	Richmond Hill	261
26	White Oaks S.S.	Oakville	261
29	R.C. Palmer S.S.	Richmond	260
30	St. Theresa of Lisieux C.H.S.	Richmond Hill	259
31	Amberson High School	Markham	258
31	Bayview S.S.	Richmond Hill	258
31	The Woodlands Sec. School	Mississauga	258
34	Moscrop S.S.	Burnaby	257
35	North York Academy	Toronto	256
36	St. George's School	Vancouver	255
37	Lord Byng S.S.	Vancouver	252
37	Merivale H.S.	Nepean	252
37	Renert School	Calgary	252
37	University Hill S.S.	Vancouver	252
41	A.Y. Jackson S.S.	North York	251
41	Cameron Heights C.I.	Kitchener	251
41	Elgin Park S.S.	Surrey	251
41	St. Augustine C.H.S.	Markham	251
45	Ashbury College	Rockcliffe	250
45	Earl of March S.S.	Kanata	250
47	Markville S.S.	Markham	249
47	Mount Douglas S.S.	Victoria	249
47	Xspace Unicademy Vancouver	Vancouver	249
50	Old Scona Academic H.S.	Edmonton	248
50	Pinetree S.S.	Coquitlam	248
50	Sir Winston Churchill S.S.	Vancouver	248

2022
Euclid Contest/Concours Euclide
Student Honour Roll/Palmarès d'étudiants

Name/Nom	School/École	Location/Endroit	Grade/Niveau
Group I/Groupe I	Scores/Notes 100 - 97		
BEI	WARREN	West Vancouver	9
DONG	BENJAMIN	Mississauga	10
LU	EVAN	Windsor	11
WAN	YITONG	Waterloo	12
WANG	YIZHOU	Ajax	11
ZHAO	MIRANDA	North York	11
ZHOU	ZIXIANG	London	12
Group II/Groupe II	Scores/Notes 96 - 93		
CAO	JIARUI	Oakville	12
CHUNG	YIU HIM	Delta	11
DASPAL	ANNIKA	Markham	10
DOU	KATHRYN	Toronto	11
HUANG	ETHAN	Thornhill	11
JUNG	JONGHYUN	Duncan	12
LU	JIN	Vancouver	11
LUO	YUZHONG	Port Moody	9
TANG	ZIXI	Thornhill	12
WANG	XUEZHI	Toronto	10
YANG	DANIEL	Toronto	12
YANG	ZHUOYING	Burlington	12
ZHANG	TIANYIN	Thornhill	11
ZHENG	ZIRUI	Mississauga	12
ZHOU	JIMMY	Thornhill	11
Group III/Groupe III	Scores/Notes 92 - 90		
BAE	JAESUNG	Oakville	10
CAI	ANNIE	North York	12
CHAN	AVERY	Richmond Hill	11
CHEN	DORIAN	Richmond Hill	12
CHEN	JINGXIANG	St. Robert C.H.S.	12
CHEN	LU	Waterloo	11
CHEN	SIQI	North York	11
CHENG	JASON	North York	12
DE JUAN MILLON	JACOBO	Lakefield	11
DU	XINYUE	Markham	12
GAO	HENRY	Markham	12
GUO	RYAN	Mississauga	12
GUO	ZIYAO	North York	11
HAO	JACKIE	Surrey	9
JI	CHENGYU	Rockcliffe	11
JIN	JEFFREY	Ottawa	12
LI	MATTHEW	North York	12
LIANG	JIADONG	North York	12
SHAO	ERIC	Surrey	11
SHI	MAGGIE	Burlington	12
SUN	JINGYUAN	Thornhill	11

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Group III/Groupe III

Scores/Notes 92 - 90

WU	RAYMOND	St. Robert C.H.S.	Thornhill	11
WU	YIHUI	Abbey Park H.S.	Oakville	12
YANG	HAOLIN	Jaya Int'l H.S.	Mississauga	12
YANG	JAMES	Iroquois Ridge H.S.	Oakville	12
ZHANG	ZHERUI	Amberson High School	Markham	12
ZHAO	SHIYU	Virtual Secondary School	Burlington	11
ZHENG	RUIMIAN	Unionville H.S.	Markham	11
ZHU	CUIWEN	Port Moody Sr. S.S.	Port Moody	12
ZHU	KAICHENG	Oakville Trafalgar H.S.	Oakville	12

Group IV/Groupe IV

Scores/Notes 89 - 88

ANCHENG	WANG	Newmarket H.S.	Newmarket	11
BAI	RICHARD	University of Toronto Schools	Toronto	11
BALE	RITVIK	DDSB@HOME Secondary Virtual sc	Courtice	12
CAI	ALINA	Lisgar C.I.	Ottawa	12
CHANDRASHEKAR	KUNAAL	University of Toronto Schools	Toronto	11
CHEN	RAYTON	Vincent Massey S.S.	Windsor	11
CHEN	TIAN	Laurel Heights Secondary Schoo	Waterloo	12
CHENGKE	ZHANG	Laurel Heights Secondary Schoo	Waterloo	11
DENG	MAN	Jaya Int'l H.S.	Mississauga	12
DUAN	JIAYUE	Glenforest S.S.	Mississauga	11
GOLDMAN	JOSH	Com. Hebrew Academy of Toronto	Toronto	12
HONG	JAMES	Semiahmoo S.S.	Surrey	12
HU	YIWEN	Pickering College	Newmarket	11
HU	ZHAOXING	White Oaks S.S.	Oakville	12
HUANG	HEMING	Marianopolis College	Westmount	12
HUANG	HONGYI	Upper Canada College (Upper Sc	Toronto	9
HUANG	JEFFREY	Colonel By S.S.	Gloucester	12
HUANG	ZEYU	Walter Murray C.I.	Saskatoon	12
JIAQI	LIU	Halifax Grammar School	Halifax	9
KULKARNI	AVANEESH	Victoria Park C.I.	North York	12
KUMAR	ARNAV	Webber Academy	Calgary	12
LEE	GEOFFREY	St. Robert C.H.S.	Thornhill	11
LI	SAMUEL	Mount Douglas S.S.	Victoria	11
LI	ZANDER	Laurel Heights Secondary Schoo	Waterloo	9
LIN	MUGENG	St. Robert C.H.S.	Thornhill	11
LIU	JIALIN	Halifax Grammar School	Halifax	9
LIU	LEHANG	St. George's School	Vancouver	11
LIU	YIMING	Mulgrave School	West Vancouver	11
LIUANG	MUYANG	DEVI International Boarding Sc	Mill Village	10
MA	EMILY	Marc Garneau C.I.	North York	10
PAN	WENZHAO	Marc Garneau C.I.	North York	11
PATE L	NANDAN	Henry Wise Wood Sr. H.S	Calgary	12
PHILIP	TOM	William Lyon Mackenzie C.I.	North York	10
QI	KAILIN	Maxfield Academy	Whitchurch-Stouffvil	12
SHEN	RYAN	St. Robert C.H.S.	Thornhill	12
SHI	LEO	Marianopolis College	Westmount	12
SIVATHARAN	SENTHAN	Colonel By S.S.	Gloucester	12
SONG	XINPING	Maxfield Academy	Whitchurch-Stouffvil	11
SUN	FRED	Toronto Heuristic Internationa	North York	12
SUN	JIAHONG	Collingwood School - Morven Ca	West Vancouver	9

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Group IV/Groupe IV

Scores/Notes 89 - 88

TANG	MARTIN	Glenforest S.S.	Mississauga	12
TIAN	WENYOU	Iroquois Ridge H.S.	Oakville	12
VASUDEVA	RAGHAV	Bramalea S.S.	Brampton	12
WANG	GRACE	Waterloo C.I.	Waterloo	11
WANG	RAYMOND	University Transition Program	Vancouver	10
WANG	YUNDI	One Direction Academy	Toronto	12
XIANG	RYAN	Dr. Norman Bethune C.I.	Scarborough	11
XIAO	EDWARD	University of Toronto Schools	Toronto	12
XU	FELIX	British Columbia Christian Aca	Coquitlam	11
XU	JINGLIN	University Hill S.S.	Vancouver	11
XU	QIDONG	Maxfield Academy	Whitchurch-Stouffvil	12
YAN	BRIAN	Marc Garneau C.I.	North York	11
YAN	ZHAO	Marc Garneau C.I.	North York	11
YANG	HAOZHE	Walter Murray C.I.	Saskatoon	11
YANG	ZIYUAN	St. Theresa of Lisieux C.H.S.	Richmond Hill	12
YU	DONGHUI	Bayview S.S.	Richmond Hill	12
ZHANG	CAROLYN	Colonel By S.S.	Gloucester	12
ZHANG	RICHARD	Georges Vanier S.S.	North York	11
ZHOU	AMELIE	Marc Garneau C.I.	North York	12
ZHUANG	LEO	St. Andrew's College	Aurora	11
ZOU	ERIC	Deran Academy	Richmond Hill	12

Group V/Groupe V

Scores/Notes 87 - 85

AJAY	PRITHVI	Vincent Massey S.S.	Windsor	12
ARAGOLA	ANIRUDDH	St. John's-Ravenscourt School	Winnipeg	12
BAI	RICKY	David Thompson S.S.	Vancouver	12
BASU	DHRUV	Lisgar C.I.	Ottawa	11
CALABRETTA	MARCO	Father Bressani C.H.S.	Woodbridge	12
CHANG	ANDY	Moscrop S.S.	Burnaby	12
CHEN	GUO	Deran Academy	Richmond Hill	9
CHEN	JEFFERSON	Marc Garneau C.I.	North York	12
CHEN	JUNYUAN	Oakville Trafalgar H.S.	Oakville	12
CHEN	YIDI	St. Augustine C.H.S.	Markham	12
CHEN	ZHIZHONG	Sir Winston Churchill S.S.	Vancouver	12
CHENG	DANIEL	St. Theresa of Lisieux C.H.S.	Richmond Hill	11
CHOI	JOSHUA	Marc Garneau C.I.	North York	11
CHU	DARREN	St. Robert C.H.S.	Thornhill	10
DAI	WILLIAM	Marc Garneau C.I.	North York	10
DENG	VICTOR	Semiahmoo S.S.	Surrey	12
DENG	WILLIAM	St. Robert C.H.S.	Thornhill	11
DING	YANZHOU	Hillfield-Strathallan Coll. H.	Hamilton	11
DU	SIWEI	St. John's-Ravenscourt School	Winnipeg	12
DUAN	YULAI	St. Robert C.H.S.	Thornhill	12
FAN	EDDIE	Bayview S.S.	Richmond Hill	11
GUILFOYLE	BRENDAN	Renert School	Calgary	11
GUO	MAGGIE	Toronto Heuristic Internationa	North York	12
GUO	WILLIAM	St. Robert C.H.S.	Thornhill	12
HAMZA	YUSUF	Ottawa Carleton Virtual Second	Ottawa	12
HANG	SIRUI	Marc Garneau C.I.	North York	11
HAO	XINYUE	One Direction Academy	Toronto	11
HUA	ANDREW	Upper Canada College (Upper Sc	Toronto	10

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Group V/Groupe V

Scores/Notes 87 - 85

HUANG	AARON	R.C. Palmer S.S.	Richmond	12
HUANG	JASON	Elton Academy	Richmond Hill	11
HUANG	VIVI	Semiahmoo S.S.	Surrey	11
HUANG	YUANZHI	Richmond Hill H.S.	Richmond Hill	12
JACOBS	LUCAS	St. Joseph S.S.	Mississauga	12
JAFFER	ILYAS	John Abbott College	Sainte-Anne-De-Belle	12
JIANG	MAX	Markville S.S.	Markham	12
JIN	QIANHUI	Garth Webb S.S.	Oakville	12
LI	EASON	Walter Murray C.I.	Saskatoon	11
LI	JOSHUA	Upper Canada College (Upper Sc	Toronto	12
LI	MUYAN	Moscrop S.S.	Burnaby	12
LI	YUMENG	Riverview Rural H.S.	Sydney	12
LI	ZHIXIAN	St. Robert C.H.S.	Thornhill	11
LI	ZHIYUAN	Pinetree S.S.	Coquitlam	12
LI	ZILIN	Resurrection C.S.S.	Kitchener	12
LIU	ANDREW	Toronto Heuristic Internationa	North York	11
LIU	EMILY QINGLE	Marc Garneau C.I.	North York	11
LIU	ERIC	Iroquois Ridge H.S.	Oakville	11
LIU	HANTANG	Brebeuf College School	North York	11
LIU	HAOYANG	Crescent School	North York	11
LIU	ZHIYUE	One Direction Academy	Toronto	11
LU	DAVID	Toronto Heuristic Internationa	North York	12
LU	JEFFREY	St. Robert C.H.S.	Thornhill	12
LU	XINYU	North York Academy	Toronto	11
LYU	TIANYUE	St. John's Kilmarnock School	Breslau	12
MAO	OLIVER	White Oaks S.S.	Oakville	11
MATROS	ALEXANDER	St. Robert C.H.S.	Thornhill	12
MOBEDI	AMIN	Westdale S.S.	Hamilton	12
NI	WENHAN	Toronto Heuristic Internationa	North York	12
PEI	ALLEN	University of Toronto Schools	Toronto	12
POPAT	RIAN	Burnaby Mountain S.S.	Burnaby	12
PU	GRACE	Marc Garneau C.I.	North York	10
QI	JUNZHE	London Central S.S.	London	11
QIAN	GENGQI	Applewood Heights S.S.	Mississauga	12
QIN	IVY	R.C. Palmer S.S.	Richmond	11
QIN	JEFFREY	Bayview S.S.	Richmond Hill	12
QU	EDISON	North York Academy	Toronto	11
RAN	CHARLES	Oakville Trafalgar H.S.	Oakville	10
RUAN	WEIFENG	Waterloo Independent Secondary	Waterloo	11
SHARMA	ARYAN	Turner Fenton S.S.	Brampton	12
SHARMA	MANYA	Cameron Heights C.I.	Kitchener	12
SHEN	ALEX NDER	Marc Garneau C.I.	North York	12
SHEN	DANIEL	Holy Trinity School	Richmond Hill	12
SHENG	DAISY	Colonel By S.S.	Gloucester	12
SHUAI	XIUF U	Walter Murray C.I.	Saskatoon	12
SI	LEON	Victoria Park C.I.	North York	12
SIRA	PRABHMEET	Fletcher's Meadow S.S.	Brampton	12
SOMPURA	TYMOFIY	John Cabot C.S.S.	Mississauga	12
SRISATKURU	BRENAN	Marc Garneau C.I.	North York	12
SUI	ERIC	Merivale H.S.	Nepean	10
SUN	IAN	R.E. Mountain S.S.	Langley	11
SUN	LOUIS	St. Augustine C.H.S.	Markham	12

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Group V/Groupe V

Scores/Notes 87 - 85

SUN	TIANYUE	White Oaks S.S.	Oakville	12
TAM	ANDREW	York Mills C.I.	North York	12
TANG	AARON	Marc Garneau C.I.	North York	11
TANG	YIFAN	University of Toronto Schools	Toronto	9
TANG	YUNTONG	Balmoral Hall School	Winnipeg	11
TIAN	WILLIAM	St. Theresa of Lisieux C.H.S.	Richmond Hill	10
TSYPIN	ALLISON	Marianopolis College	Westmount	12
WANG	ERIC	Marc Garneau C.I.	North York	11
WANG	XUANPENG	College Sainte-Anne de Lachine	Lachine	11
WANG	YUNSHAN	Victoria Park C.I.	North York	11
WANG	YUTONG	One Direction Academy	Toronto	10
WU	JONATHAN	Marc Garneau C.I.	North York	11
WU	LUNA	Vincent Massey S.S.	Windsor	11
WU	MICHAEL	Renert School	Calgary	9
XIAO	YINGSHAN	Oakville Trafalgar H.S.	Oakville	9
XIONG	BOB	Port Moody Sr. S.S.	Port Moody	12
XU	ELAINE	Abbey Park H.S.	Oakville	12
XU	ZHIHAO	Earl of March S.S.	Kanata	11
YAN	CHEN KAI	St. Robert C.H.S.	Thornhill	12
YAN	JACOB	White Oaks S.S.	Oakville	11
YAN	KEVIN	R.C. Palmer S.S.	Richmond	12
YANG	YUNRAN	Marianopolis College	Westmount	12
YAO	VICTOR	Centennial C. and V.I.	Guelph	11
YE	CULLEN	Marc Garneau C.I.	North York	11
YE	PETER	William Lyon Mackenzie C.I.	North York	11
YIN	SHUOLIN	St. Robert C.H.S.	Thornhill	11
YU	SABRINA	Hawthorn School for Girls	North York	10
ZENG	XIANZE	Home School: Zhiwen Yang	Richmond	10
ZHANG	JINGHE	Walnut Grove S.S.	Langley	10
ZHANG	XINYU	Toronto Heuristic Internationa	North York	12
ZHANG	YUNFAN	Don Mills C.I.	North York	11
ZHAO	DI	Halifax Grammar School	Halifax	12
ZHAO	HAONAN	Thornhill S.S.	Thornhill	11
ZHENG	ALAN	A.Y. Jackson S.S.	North York	12
ZHENG	HAOWEI	Upper Canada College (Upper Sc	Toronto	10
ZHONG	ZHENG	One Direction Academy	Toronto	11
ZHOU	DI	St. Robert C.H.S.	Thornhill	12
ZHOU	HANWU	Henry Street H.S.	Whitby	12
ZHOU	MICHELLE	Marc Garneau C.I.	North York	12
ZHOU	XIAOYU	Dover Bay S.S.	Nanaimo	10
ZHU	MANYEE	St. Robert C.H.S.	Thornhill	12
ZONG	CHUYI	Point Grey S.S.	Vancouver	12
ZUO	QINGZHONG	Lord Byng S.S.	Vancouver	12

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 Team Honour Roll/Palmarès d'équipes
 International

Rank/Rang	School/École	City/Ville	Score/Note
1	Royal Grammar School Guildford Nanjing	NANJING	278
2	South Hills Academy	West Covina	275
3	The H.S. Affiliated to Renmin Uni. of Ch	Beijing	274
4	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	273
5	Summit Education	Hanoi	270
5	Wuhan Britain-China School	Wuhan	270
7	Hangzhou Foreign Language School	Hangzhou Zhejiang	269
7	Jinan Foreign Language School	Jinan	269
9	BASIS Independent Silicon Valley	San Jose	268
9	Crosspoint at Nanjing Yuhuatai High Scho	Nanjing	268
9	Diocesan Boys School	Kowloon	268
9	Jinling H.S.	Nanjing	268
9	Minhang Crosspoint at Shanghai Wensi M.S	Shanghai	268
14	Confucius International School Qingdao	Shandong	267
15	Hangzhou New Century Foreign Language Sc	Hangzhou	266
16	Dalian Ealing International School	Dalian City	265
16	Qingdao No.2 Middle School ICPC	Qingdao	265
16	Shenyang No 2 School	Shenyang	265
16	Shenzhen Grit Academy	Shenzhen	265
20	Chengdu Foreign Lang. Sch. (SINO-CANADA)	Chengdu	264
20	Chengdu No 7 H. S. (Gaoxin Campus)	Chengdu	264
20	Jinan Thomas School	Jinan	264
20	NFLS British Columbia Academy	Nanjing Jiangsu	264
20	Nanjing Foreign Language School IB &A-le	Nanjing	264
25	H.S. Affiliated to Nanjing Normal Uni.	Nanjing Jiangsu	263
26	Adcote School Shanghai	Shanghai	262
26	Qingdao No. 58 High School Canadian Prog	Qingdao	262
26	Shenzhen Fujing Foreign Language School	Shenzhen	262
26	Shenzhen M.S.	Shenzhen	262
30	Guangzhou Foreign Language School AP pro	Guangzhou	261
30	Guiyang No.1 H.S.	Guiyang Guizhou	261
30	Hefei No.8 High School	Hefei	261
33	Heilongjiang Experimental High School	Harbin	260
33	Ulink College of Suzhou Industrial Park	Suzhou Jiangsu	260
33	Xianda College of Economics and Humaniti	Shanghai	260
36	Beijing 101 High School	Beijing	259
36	GOLDEN APPLE JINCHENG NO.1 SECONDARY SCH	Sichuan	259
36	Nanjing Foreign Language School Xianlin	Nanjing	259
36	Suzhou Foreign Language School	Suzhou	259
40	SIP Dulwich College United School	Suzhou	258
40	Shandong Experimental High School	Jinan City Shandong Prov	258
40	Tianjin No.1 High School	Tianjin	258
43	Experimental S. affiliated with Zhuhai N	Zhuhai	257
43	Jinling-Hexi Campus	Nanjing	257
43	Suzhou North American High School	Suzhou	257
43	Wuxi Dipont School of Arts and Science	Wuxi City	257
47	Chengdu Shishi Cambridge A Level Centre	Chengdu	256
47	Huaer Zizhu Academy	Shanghai	256
49	Beijing Huijia Private School	Beijing	255
49	Changjun High School of Changsha City	Changsha	255
49	Chongqing Nankai S. S.	Chongqing	255
49	International School Manila	Taguig City	255
49	Kang Chiao International School	Kunshan	255
49	National Junior College	Singapore	255
49	SpringLight Education	Cupertino	255

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International

Name/Nom	School/École	Location/Endroit	Grade/Niveau
Group I/Groupe I	Scores/Notes 97 - 95		
LI	MUYANG	Shenzhen Col. of Inter. Education	Shenzhen Guangdong 9
LI	SHUN HIN	Diocesan Boys School	Kowloon 11
LIU	FELIX	BASIS Independent Silicon Valley	San Jose 11
LIU	YUNQI	Royal Grammar School Guildford Nanj	NANJING 11
WANG	SHUO	Prince of Wales Island Internationa	Georgetown 12
ZHU	RUIJIE	The H.S. Affiliated to Renmin Uni.	Beijing 11
Group II/Groupe II	Scores/Notes 94 - 91		
BOCHENG	YING	Beijing Huijia Private School	Beijing 10
CHANG SIN TO	JEFFREY	St.Paul's College	Hong Kong 11
CHE	ANCHEM	South Hills Academy	West Covina 9
DANG	THANG	Summit Education	Hanoi 11
DOU	WENDUO	Beijing National Day School	Beijing 11
HAN	JOONHEE	International School Manila	Taguig City 10
HU	RUNTIAN	Royal Grammar School Guildford Nanj	NANJING 11
JHA	ARNAV	Delhi Public School - Whitefield	Bangalore 12
JIANG	YUNHAN	Dalian Ealing International School	Dalian City 11
JIANG	YUTIAN	Jiaxiang Foreign Languages School I	Chengdu 11
LI	HUANGCHEN	Ningbo Xiaoshi H.S.	Ningbo Zhejiang 10
LIU	ENMING	Canadian Int'l School Guangxi Gaoji	Nanning 11
PU	ZIYOU	Adcote School Shanghai	Shanghai 10
QIU	TIAN	Hangzhou Foreign Language School	Hangzhou Zhejiang 11
SHENG	CHENGCHENG	South Hills Academy	West Covina 11
SUN	BOYUAN	Chengdu Foreign Lang. Sch. (SINO-CA	Chengdu 11
SURESH	SIDHARTH	Abu Dhabi Indian School	Abu Dhabi 11
VATS	ANVAY	UWC South East Asia East Campus	Singapore 12
WU	CHENGLIN	Jinan Foreign Language School	Jinan 10
XU	CHENNING	South Hills Academy	West Covina 11
XUAN	SOPHIE	Sammamish Chinese School	Sammamish 11
YU	JINXI	Jinling H.S.	Nanjing 10
ZHANG	HAOYAN	Wuhan Britain-China School	Wuhan 11
ZHANG	YIMING	Royal Grammar School Guildford Nanj	NANJING 10
ZHANG	YULIN	Shenzhen Grit Academy	Shenzhen 10
ZUO	JINGYANG	South Hills Academy	West Covina 11
Group III/Groupe III	Scores/Notes 90 - 89		
ABDULMAJID	SHAIKH AYMAN	The International School Of King Sa	Tabuk 12
CHEN	HEGUANG	The H.S. Affiliated to Renmin Uni.	Beijing 11
CHEN	YISUN	Hangzhou New Century Foreign Langua	Hangzhou 11
CHOW	PINGSEN	Beijing National Day School	Beijing 10
DASGUPTA	PRANSHU	Indian School Al Ghubra	Muscat Sultanate of 12
DING	YIQING	Suzhou North American High School	Suzhou 11
DONG	NGUYEN	Summit Education	Hanoi 11
FU	TIANLE	Qingdao No.2 Middle School ICPC	Qingdao 11
GONG	YUXIN	Jinling H.S.	Nanjing 11
GUO	QINYI	Shenyang No 2 School	Shenyang 12
GUO	YI MING	Dalian Ealing International School	Dalian City 11

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 International

Group III/Groupe III

Scores/Notes 90 - 89

HAO	TIAN	Int'l School of Nanshan Shenzhen	Shenzhen	10
HE	XIMENG	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
HOI	CHIN HO KALSC	Xianda College of Economics and Hum	Shanghai	11
HUANG	MILE	Minhang Crosspoint at Shanghai Wenq	Shanghai	11
JIANG	ZHENG	Kang Chiao International School	Kunshan	11
JIN	CHENGHAO	Zhenhai H.S. Cambridge Int'l Center	Ningbo	11
JIN	XINGYAN	Minhang Crosspoint at Shanghai Wenq	Shanghai	11
LAI	SIXUAN	The H.S. Affiliated to Renmin Uni.	Beijing	10
LI	MINZE	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
LI	SIHAI	The H.S. Affiliated to Renmin Uni.	Beijing	11
LI	YIHE	Guangzhou Foreign Language School A	Guangzhou	11
LI	ZEYUN	Minhang Crosspoint at Shanghai Wenq	Shanghai	10
LI	ZONGLIN	South Hills Academy	West Covina	10
LIN	MUXI	Victoria Junior College	Singapore	11
LIU	BOWEN	Nanjing Foreign Language School IB	Nanjing	10
LIU	SIYUAN	Beijing 101 High School	Beijing	10
LIU	SIYUAN	Wuhan Britain-China School	Wuhan	11
LIU	YUEQI	Wuhan Britain-China School	Wuhan	10
LIU	YUXIN	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	10
LUO	YIFEI	South Hills Academy	West Covina	11
LYU	SHANGKUAN	Shenyang No 2 School	Shenyang	11
LYU	YANPENG	South Hills Academy	West Covina	11
MA	HAOTIAN	GOLDEN APPLE JINCHENG NO.1 SECONDAR	Sichuan	9
MENG	JIACHEN	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
PING	JIAMING	Wuxi Dipont School of Arts and Scie	Wuxi City	11
PU	YUTONG	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	10
SANGWAN	PRANAV	Transitions Lab Prep School	Thiruvananthapuram	11
SHI	CHENXI	Hangzhou Foreign Language School	Hangzhou Zhejiang	11
SHI	JIA	Nobel Algarve British International	Lagoa	12
SONG	WEN RUI	Confucius International School Qing	Shandong	11
TANG	ZIHAN	Chengdu No 7 H. S. (Gaoxin Campus)	Chengdu	11
WAN	TIANYU	Wuhan Britain-China School	Wuhan	11
WANG	XIANCHEN	Guangdong Country Garden Sch.	Foshan City	10
WANG	YE	South Hills Academy	West Covina	12
WANG	ZICHENG	Shenzhen Fujing Foreign Language Sc	Shenzhen	11
WU	YUJUN	Confucius International School Qing	Shandong	11
XIA	ZIXUAN	Minhang Crosspoint at Shanghai Wenq	Shanghai	11
XING	SHUCHANG	Confucius International School Qing	Shandong	11
XU	DYLAN	Lakeside School	Seattle	12
XU	HAOYANG	Crosspoint at Nanjing Yuhuatai High	Nanjing	10
XU	ZHEN	Minhang Crosspoint at Shanghai Wenq	Shanghai	11
YANG	JIASHUO	Heilongjiang Experimental High Scho	Harbin	11
YANG	SHUCHING	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	10
YANG	XIANJIE	Crosspoint at Nanjing Yuhuatai High	Nanjing	10
YU	YUEMIN	Beijing National Day School	Beijing	11
ZENG	ZIXIAO	Ulink College of Suzhou Industrial	Suzhou Jiangsu	11
ZHAN	YAOCHENG	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
ZHANG	DAVID	Wheaton Academy	West Chicago	10
ZHANG	YIXIN	Guiyang No.1 H.S.	Guiyang Guizhou	10
ZHAO	XIAO DONG	Canadian Int'l School of Beijing	Beijing	10
ZHOU	QIANYI	Jinan Foreign Language School	Jinan	11

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Group IV/Groupe IV

Scores/Notes 88 - 88

CAI	CHENNING	Fuzhou NO.3 High School	Fuzhou	11
CAI	QIAN	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
CHEN	DAIYANG	Qingdao No.2 Middle School ICPC	Qingdao	11
CHEN	HAOQI	Hefei No.8 High School	Hefei	11
CHEN	HUAYI	Royal Grammar School Guildford Nanj	NANJING	10
DING	ZHENGYI	Qingdao No.2 Middle School ICPC	Qingdao	11
DONG	LIANGHAN	The Experimental H.S att. to Beijin	Beijing	12
DUAN	CHUNYANG	Dalian Ealing International School	Dalian City	11
FANG	HANZHANG	Wuhan Britain-China School	Wuhan	10
GUAN	SIYUN	Chongqing Foreign Language School	Chongqing	10
HOU	YUXUAN	Experimental S. affiliated with Zhu	Zhuhai	11
HUANG	YICHEN	Jinan Foreign Language School	Jinan	11
HUANG	YUXING	Wuhan Britain-China School	Wuhan	11
HWANG	JUNEHUA	Canadian Academy	Ku Kobe Japan	11
JIN	HANZHI	Darlington School	Rome	10
JIN	RUOHAN	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
KAN	TINGYUAN	Jinan Foreign Language School	Jinan	11
LEE	DONGGYU	International School of Prague	Prague	12
LIN	MENG	CHENGDU EXPERIMENTAL FOREIGN LANGUA	Sichuan	11
LIU	HANNAH	Jinan Foreign Language School	Jinan	12
MODI	NAMAN	D.A.V. PUBLIC SCHOOL BRS NAGAR LUDH	LUDHIANA	12
PAN	TAOYU	Hangzhou Foreign Language School	Hangzhou Zhejiang	10
PAN	XUHAN	National Institute of Technology	Beijing	11
PENG	YI	Minhang Crosspoint at Shanghai Wenq	Shanghai	10
QUAN	ZHIXIAN	Minhang Crosspoint at Shanghai Wenq	Shanghai	11
SHEN	LIJIA	Shenzhen Fujing Foreign Language Sc	Shenzhen	10
SONG	MINGJUN	Dalian Ealing International School	Dalian City	10
SONG	PEIYANG	Tianjin No.1 High School	Tianjin	12
VERMA	DEVAVRAT	Delhi Private School Dubai	Jebel Ali	12
WAN	ZHENGQIAO	South Hills Academy	West Covina	11
WANG	HAOCHEN	Tianjin No.1 High School	Tianjin	10
WANG	RUOWEN	Nanjing Nol High School	Nanjing	12
WANG	YAJIE	GOLDEN APPLE JINCHENG NO.1 SECONDAR	Sichuan	9
WANG	YOUYUAN	Lors Land School Shanghai	Shanghai	10
WANG	YUEZHI	Hangzhou New Century Foreign Langua	Hangzhou	10
WANG	ZIHAO	NFLS British Columbia Academ	Nanjing Jiangsu	10
WEI	XUANQI	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	12
WEI	ZICHENG	Jinan Thomas School	Jinan	11
WU	HONGZHOU	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	10
WU	YAN	Jinling H.S.	Nanjing	10
XU	HAO XIANG	Crosspoint at Nanjing Yuhuatai High	Nanjing	10
XU	ZIPENG	NFLS British Columbia Academ	Nanjing Jiangsu	11
XUN	ZIJIAN	Hangzhou New Century Foreign Langua	Hangzhou	11
YAN	QIKANG	Jinan Thomas School	Jinan	11
YANG	YUQUAN	Haidian Foreign Language Academy	BEIJING	11
YU	ZICHAO	Qingdao No. 58 High School Canadian	Qingdao	11
ZHANG	BOPENG	Minhang Crosspoint at Shanghai Wenq	Shanghai	11
ZHANG	JUNHAN	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
ZHONG	ZHENYU	Prince of Wales Island Internationa	Georgetown	12
ZHOU	KAIHENG	Jinan Thomas School	Jinan	12
ZHOU	LEHENG	Chengdu Shishi Cambridge A Level Ce	Chengdu	11
ZHU	HONGTING	NFLS British Columbia Academ	Nanjing Jiangsu	11

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ZHU	JUNJIAN	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	10
ZHU	YIFAN	Shenzhen M.S.	Shenzhen	10

Group V/Groupe V

Scores/Notes 87 - 86

BAI	YULONG	Chengdu No 7 H. S. (Gaoxin Campus)	Chengdu	12
BI	JIAYI	Qingdao No. 58 High School Canadian	Qingdao	12
CAI	JIACHENG	Qingdao No.2 Middle School ICPC	Qingdao	11
CHAI	XIANYI	Jinling-Hexi Campus	Nanjing	11
CHEN	JUNXI	Wuhan Britain-China School	Wuhan	11
CHEN	MENGNING	Majestic International College	Foshan	11
CHEN	XINQI	Hefei 168 Middle School	Hefei	11
CHEN	YIMING	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	10
CHEN	YUNJIE	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
CHENG	JIAYING	Wuhan Britain-China School	Wuhan	11
CHOUDHARY	ASMI	Transitions Lab Prep School	Thiruvananthapuram	11
DAI	CHEN	South Hills Academy	West Covina	10
DAS	ROHAN	BASIS Independent Silicon Valley	San Jose	9
DEVANAND	ANIRUDH	The Amaatra Academy	Bengaluru	12
DING	DONG	Confucius International School Qing	Shandong	11
DING	HAO	South Hills Academy	West Covina	11
DING	MOHAN	High School att'd to Northwest Norm	Lanzhou	11
DONG	SHENG	Beijing New Talent Academy	Beijing	11
DU	HANRUI	Xianda College of Economics and Hum	Shanghai	11
DU	SICHENG	South Hills Academy	West Covina	9
FAN	EMMA	Chongqing Nankai S. S.	Chongqing	10
FENG	WENXUAN	Shenzhen Grit Academy	Shenzhen	13
GAO	FAZHAN	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	12
GAO	YIHAN	Dalian Ealing International School	Dalian City	12
GOKMEN	CAN	American Collegiate Institute	Izmir	11
GU	JIACHENG	Jinan Foreign Language School	Jinan	10
GUO	YICHEN	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
HAN	RUICHEN	Jinan Foreign Language School	Jinan	11
HE	GUOFENG	Shenzhen M.S.	Shenzhen	10
HU	XUANYUAN	South Hills Academy	West Covina	11
HUA	SHUOYAN	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
HUANG	LECHEN	Jinling H.S.	Nanjing	10
HUANG	SHIQI	Nanjing Foreign Language School Xia	Nanjing	11
HUANG	YIFAN	Suzhou Foreign Language School	Suzhou	10
ISKANDAR	THIAN CELINE	SMAK Penabur Gading Serpong	Tangerang	10
JAIN	SWARNIM	Transitions Lab Prep School	Thiruvananthapuram	12
JIANG	BRIAN	Texas Academy of Math & Science	Denton	12
JIANG	HAN	Wuhan Britain-China School	Wuhan	11
JIANG	LEYAN	NFLS British Columbia Academy	Nanjing Jiangsu	11
JIANG	RUIQIAN	National Junior College	Singapore	12
JIANG	TIANRU I	Wuhan Britain-China School	Wuhan	11
JIANG	YIJIN	Beijing National Day School	Beijing	11
JIANG	ZITUO	Jinan Foreign Language School	Jinan	13
JIANQI	LIU	Anglo-Chinese Junior College	Singapore	11
JING	JIAQI	Royal Grammar School Guildford Nanj	NANJING	10
JINGYUAN	YE	Wuxi Big Bridge Academy	Wuxi Jiangsu	11
JUNRU	XIN	Qingdao No. 58 High School Canadian	Qingdao	11

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Group V/Groupe V

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KAGALWALLA	NIDAA	7 on 7 Academy	Mumbai	11
KONG	YANGYANG	Hefei No.8 High School	Hefei	11
KONG	ZHEXIONG	South Hills Academy	West Covina	11
LEI	RUISHAN	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	11
LI	MICHAEL	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	11
LI	MICHAEL	ICAE	Troy	9
LI	RUNDA	Nanjing Foreign Language School IB	Nanjing	11
LI	XIANG	Changjun High School of Changsha Ci	Changsha	11
LI	XINQING	Jinan Foreign Language School	Jinan	11
LI	XINZE	Crosspoint at Nanjing Yuhuatai High	Nanjing	10
LI	ZIXIN	Hangzhou New Century Foreign Langua	Hangzhou	11
LI	ZONGRUI	Shenzhen Grit Academy	Shenzhen	11
LIM	SION	Fayston Preparatory of Suji	Yongin-Si	10
LIN	XINGPING	South Hills Academy	West Covina	9
LIN	YUXUAN	Beijing National Day School	Beijing	11
LIU	FENGBO	Shenzhen Grit Academy	Shenzhen	11
LIU	MENGHANG	Int'l Centre of Normal College of S	Shenzhen	12
LIU	MUCHEN	Southwest Weiyu Middle School	Shanghai	10
LIU	RUJUN	South Hills Academy	West Covina	9
LIU	YICHUAN	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
LIU	YUYI	Minhang Crosspoint at Shanghai Wenq	Shanghai	11
LIU	ZIQI	Chengdu Foreign Lang. Sch. (SINO-CA	Chengdu	11
LU	HANYANG	Dalian Ealing International School	Dalian City	12
LU	SUSIE	SpringLight Education	Cupertino	9
LUO	YIFAN	Crosspoint at Nanjing Yuhuatai High	Nanjing	10
MA	ZIYU	Suzhou Foreign Language School	Suzhou	11
MANAS	ARCHIT	Transitions Lab Prep School	Thiruvananathapuram	10
MAO	TINGJUN	Chongqing Depu foreign language sch	Chongqing	11
NI	ZEKAI	NFLS British Columbia Academy	Nanjing Jiangsu	11
OUYANG	LIN	Changjun High School of Changsha Ci	Changsha	11
PANG	BOYU	Heilongjiang Experimental High Scho	Harbin	11
QIN	PEIEN	Royal Grammar School Guildford Nanj	NANJING	10
QIN	YICHEN	GRAND INTERNATIONAL SCHOOL QINGDAO	QINGDAO	11
QIU	HONGJIA	Nanjing Foreign Language School Xia	Nanjing	11
QIU	YIZHI	Guangzhou Foreign Language School A	Guangzhou	10
ROY	ARUNABH	Delhi Public School-R.K Puram	New Delhi	12
SHAN	ZIHA N	Jinling H.S.	Nanjing	10
SHANG	JIAMING	Jinan Foreign Language School	Jinan	11
SHEN	WEIHENG	SIP Dulwich College United School	Suzhou	11
SHI	ZHENYU	Ulink College of Suzhou Industrial	Suzhou Jiangsu	11
SHUI	QIAO	Zhengzhou Foreign Language School	Henan Zhengzhou	12
SU	WANGYU	NFLS British Columbia Academy	Nanjing Jiangsu	11
SUN	CAIWAN	Wuhan Britain-China School	Wuhan	11
SUN	HAOBO	Jinling H.S.	Nanjing	10
SUN	MENGJIA	Jinan Thomas School	Jinan	11
SUN	XIAOYAN	Confucius International School Qing	Shandong	11
SWAMY	VEDANT	Transitions Lab Prep School	Thiruvananathapuram	12
TALWAR	KANAV	Transitions Lab Prep School	Thiruvananathapuram	9
TAN	SIYU	Wuhan Britain-China School	Wuhan	11
TANG	QIYAO	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	10
TANG	ZIYOU	Nanjing Foreign Language School IB	Nanjing	10
TIAN	YAO	Suzhou Foreign Language School	Suzhou	11

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TONGZ	JIAZE	Shenyang No 2 School	Shenyang	10
TU	FANGFEI	Nanjing Foreign Language School Xia	Nanjing	11
VAN	KHOI	Summit Education	Hanoi	11
WAN	ZHIFENG	Beijing 101 High School	Beijing	10
WANG	BOYUAN	SIP Dulwich College United School	Suzhou	11
WANG	CHI HO	Diocesan Boys School	Kowloon	9
WANG	CHUYI	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
WANG	PENGFEI	Xi'an Tie Yi High School	Xi'an	10
WANG	RUOXI	Qingdao No. 58 High School Canadian	Qingdao	11
WANG	XINYUA N	Jinling-Hexi Campus	Nanjing	11
WANG	ZEYAN	Suzhou Foreign Language School	Suzhou	11
WANG	ZHENXIN	Shandong Experimental High School	Jinan City Shandong	10
WEI	JIARONG	Suzhou No.10 High School of Jiangsu	Suzhou	11
WEI	SIHUI	Capital Normal University H. S.	Beijing	11
WU	SI	Jinling H.S.	Nanjing	10
XI	GEORGE	Hangzhou New Century Foreign Langua	Hangzhou	10
XIAO	XIAO	Jinling H.S.	Nanjing	11
XU	TENG	Crosspoint at Nanjing Yuhuatai High	Nanjing	11
XU	YUTONG	Adcote School Shanghai	Shanghai	11
XU	ZIQI	Hangzhou Foreign Language School	Hangzhou Zhejiang	11
XUAN	SARAH	Sammamish Chinese School	Sammamish	11
XUE	CHINGYI	The H.S. Affiliated to Renmin Uni.	Beijing	10
XUE	JINGXI	SHEN WAI INTERNATIONAL SCHOOL	SHENZHEN	12
XUTING	LOU	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	9
YAN G	YUKUN	Beijing Changping Jialian School	Changping	11
YANG	HAOYUN	Hangzhou New Century Foreign Langua	Hangzhou	11
YANG	ZHAOWEI	Shenzhen M.S.	Shenzhen	11
YANG	ZIXUAN	Qingdao No. 58 High School Canadian	Qingdao	11
YANG	ZIYI	Chengdu No 7 H. S. (Gaoxin Campus)	Chengdu	11
YANJUN	GUO	The Affiliated H.S. of South China	Guangzhou Guangdong	11
YI	XINGCAN	Qingdao No.2 Middle School ICPC	Qingdao	11
YU	CHENHAO	Beijing National Day School	Beijing	11
YU	JIAXUAN	SIP Dulwich College United School	Suzhou	11
YU	TIANRUN	Beijing National Day School	Beijing	12
YU	YIJUN	Wuhan Britain-China School	Wuhan	11
YUAN	XIAOYA	Shandong Experimental High School	Jinan City Shandong	11
ZENG	YUXUAN	Chengdu No 7 H. S. (Gaoxin Campus)	Chengdu	11
ZHANG	HANWEN	Crosspoint at Nanjing Yuhuatai High	Nanjing	12
ZHANG	JIAQI	Crosspoint at Nanjing Yuhuatai High	Nanjing	10
ZHANG	JUNKAI	Qingdao No. 58 High School Canadian	Qingdao	11
ZHANG	KAIJIE	Guiyang No.1 H.S.	Guiyang Guizhou	11
ZHANG	QIYUE	Chengdu Foreign Lang. Sch. (SINO-CA	Chengdu	11
ZHANG	RUNING	Shenyang No 2 School	Shenyang	11
ZHANG	TIANYING	South Hills Academy	West Covina	11
ZHANG	YAOFU	NFLS British Columbia Academy	Nanjing Jiangsu	10
ZHANG	YIYANG	Shenzhen M.S.	Shenzhen	11
ZHANG	ZHUOYUE	Guiyang No.1 H.S.	Guiyang Guizhou	10
ZHANG	ZIJING	Jinan Thomas School	Jinan	12
ZHAO	RUICONG	Chongqing Nankai S. S.	Chongqing	11
ZHAO	XITIAN	Victoria Junior College	Singapore	12
ZHAO	YUNXI	South Hills Academy	West Covina	9
ZHAO	ZECHEN	Xianda College of Economics and Hum	Shanghai	12

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ZHENG	YANBIN	Maple Glory United School	Xiamen	12
ZHENG	YU	Royal Grammar School Guildford Nanj	NANJING	10
ZHONG	JIANJUN	Majestic BC International School	Foshan	12
ZHOU	KAITAO	South Hills Academy	West Covina	12
ZHOU	RUIYAO	Kang Chiao International School	Kunshan	11
ZHOU	XUEQI	Shenzhen Col. of Inter. Education	Shenzhen Guangdong	12
ZHOU	ZHIQI	Nanjing Foreign Language School IB	Nanjing	12
ZHU	XIAOMENG	Hefei No.8 High School	Hefei	11
ZHU	YIHAN	H.S. Affiliated to Nanjing Normal U	Nanjing Jiangsu	10
ZHU	YUE	Jinling H.S.	Nanjing	11
ZHU	ZHIXI	Chengdu Foreign Lang. Sch. (SINO-CA	Chengdu	10
ZONG	ZHIYU	Shenzhen Grit Academy	Shenzhen	11
ZOU	JINGYI	Qingdao No.2 Middle School ICPC	Qingdao	11
ZOU	MINGCHUAN	Nanjing Foreign Language School IB	Nanjing	11
ZOU	WENWEI	Huaer Zizhu Academy	Shanghai	11

UNOFFICIAL STUDENTS AT SCHOOLS IN CANADA /
ÉLÈVES NON-OFFICIEL DANS LES ÉCOLES AU CANADA

SCORES / NOTES 100 - 80

Name/Nom	School/École	Location/Endroit
AI	PENGZE	Markham, ON
CAO	YINGQI	West Vancouver, BC
CHAN	TERRY	Richmond, BC
CHEN	FEIYI	Surrey, BC
CHENG	PENG	Hamilton, ON
CHEN	MINGLEI	Markham, ON
CHEN	ZIYAN	Markham, ON
CHOI	HYELYNN	Toronto, ON
CHUU N	QIXUAN	London, ON
DONG	JIAWEI	Markham, ON
FANG	YINUO	Toronto, ON
HUANG	JIAXU	Mississauga, ON
JIN	KAIBEI	Toronto, ON
KATHPAL	AVISH	Ponoka, AB
KIMURA	SHUNTA	Woodstock, NB
LI	SHENGZHOU	Markham, ON
LIU	TIANSHUO	Toronto, ON
LIU	NAIQIAN	Scarborough, ON
LIU	PIN	Markham, ON
LIU	XIAOYAN	Mississauga, ON
LIU	YINUO	Regina, SK
LU	YU HAN	Toronto, ON
MA	MICHELLE	Vancouver, BC
MA	RYAN	Mississauga, ON
PENG	KELVIN	Richmond, BC
QI	SHI	Westmount, QC
SHI	ZHENGYONG	Markham, ON
SUN	MAORONG	Toronto, ON
SUN	YITAO	Westmount, QC
WANG	HANSON	Mississauga, ON
WANG	HONGRAN	Markham, ON
WANG	JUNTAO	Mississauga, ON
WANG	SHUOBO	Richmond Hill, ON
WANG	THOMAS	Markham, ON
WANG	ZHE	Markham, ON
WEI	TIANXIANG	Vancouver, BC
XUE	LETIAN	Vancouver, BC
YANG	RAIN ZIMIN	Vancouver, BC
YANG	ZIYUE	Toronto, ON
YILIN	WANG	Markham, ON
YISHENG	GUAN	Markham, ON
YU	WEN QI	Markham, ON
YU	YANG	Markham, ON
ZHANG	JEFFERY	Toronto, ON
ZHANG	XINYUN	Markham, ON
ZHANG	YURUO	Markham, ON
ZHANG	ZHENXIN	Charles P. Allen H.S.
ZHAO	MINGLANG	Bedford, NS
ZHU	EDWARD	Markham, ON
ZHU	YIFAN	Richmond Hill, ON
ZONG	YUAN	Whitby, ON
		Toronto, ON