



The CENTRE for EDUCATION  
in MATHEMATICS and COMPUTING

Le CENTRE d'ÉDUCATION  
en MATHÉMATIQUES et en INFORMATIQUE

[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)

**2019**  
**Results**

**2019**  
**Résultats**

***Pascal Contest***  
*(Grade 9)*

***Concours Pascal***  
*(9<sup>e</sup> année – Sec. III)*

***Cayley Contest***  
*(Grade 10)*

***Concours Cayley***  
*(10<sup>e</sup> année – Sec. IV)*

***Fermat Contest***  
*(Grade 11)*

***Concours Fermat***  
*(11<sup>e</sup> année – Sec. V)*



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*Centre for Education in Mathematics and Computing Faculty and Staff /  
Personnel du Concours canadien de mathématiques*

|                   |                  |
|-------------------|------------------|
| Ed Anderson       | Sandy Graham     |
| Jeff Anderson     | Conrad Hewitt    |
| Terry Bae         | Angie Hildebrand |
| Jacqueline Bailey | Carrie Knoll     |
| Shane Bauman      | Christine Ko     |
| Jenn Brewster     | Judith Koeller   |
| Ersal Cahit       | Laura Kreuzer    |
| Sarah Chan        | Paul Leistra     |
| Serge D'Alessio   | Bev Marshman     |
| Rich Dlin         | Josh McDonald    |
| Fiona Dunbar      | Paul McGrath     |
| Mike Eden         | Mike Miniou      |
| Sandy Emms        | Carol Miron      |
| Barry Ferguson    | Dean Murray      |
| Judy Fox          | Jen Nelson       |
| Carley Funk       | Ian Payne        |
| Steve Furino      | Anne Petersen    |
| John Galbraith    | J.P. Pretti      |
| Lucie Galinon     | Kim Schnarr      |
| Robert Garbary    | Carolyn Sedore   |
| Melissa Giardina  | Ashley Sorensen  |
| Rob Gleeson       | Ian VanderBurgh  |
|                   | Troy Vasiga      |
|                   | Bonnie Yi        |

*Problems Committees / Comités des problèmes**Pascal Contest / Concours Pascal*

Aaron Warner (Chair / présidente), St. Mildred's-Lightbourn School, Oakville, ON  
Janet Christ, Walter Murray C.I., Saskatoon, SK  
Melissa Hesch, University of Waterloo, Waterloo, ON  
Hwie Lie Johns, Sutherland S.S., North Vancouver, BC  
Mike Miniou, University of Waterloo, Waterloo, ON  
Peter O'Hara, London, ON  
J.P. Pretti, University of Waterloo, Waterloo, ON  
Paule Rodrigue, Franco-Cité, Ottawa, ON  
Jim Schurter, Listowel, ON  
Anna Spanik, Halifax, NS

*Cayley Contest / Concours Cayley*

Jen Nelson (Chair / présidente), University of Waterloo, Waterloo, ON  
Rich Dlin, University of Waterloo, Waterloo, ON  
Barry Ferguson, University of Waterloo, Waterloo, ON  
Carley Funk, University of Waterloo, Waterloo, ON  
Jordan Grant, St. John's-Kilmarnock School, Breslau, ON  
Christopher Ing, Vincent Massey S.S., Windsor, ON  
Christine Ruza, Elmira D.S.S., Elmira, ON  
Tim Zhou, University of Waterloo, Waterloo, ON

*Fermat Contest / Concours Fermat*

Paul Fennell (Chair / président), London, ON  
Sandra DellaMaestra, University of Toronto Schools, Toronto, ON  
Mike Eden, University of Waterloo, Waterloo, ON  
Melissa Giardina, University of Waterloo, Waterloo, ON  
Conrad Hewitt, University of Waterloo, Waterloo, ON  
Steve Lau, John Diefenbaker S.S., Hanover, ON  
Carol Miron, Albert Campbell C.I., Toronto, ON  
Michael Regep, Mentor College, Mississauga, ON  
Martin Tuchtie, Fenelon Falls S.S., Fenelon Falls, ON

Our congratulations go to all who participated in this year's Pascal, Cayley and Fermat Contests. This year's Contests were resounding successes, with averages of 89.54, 96.16 and 93.91 across the three Contests. The number of eligible contestants with perfect papers on the three Contests were 9, 13 and 6.

As always, we would like to thank the hard-working Problems Committees. Most of the members of these Committees are active secondary school teachers from across Canada who volunteers their time and contribute dozens of hours of expertise. Without their intriguing and sometimes amusing problems, these Contests would not be possible.

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.

Nos félicitations vont à tous les participants du Concours Pascal, Cayley et Fermat de cette année. Les Concours de cette année retentissaient de succès, avec des moyennes de 89,54, 96,16 et 93,91 à travers les trois Concours. Le nombre de candidats éligibles possédant un concours parfait était de 9, 13 et 6.

Nous aimerions surtout remercier les Comités de problèmes pour leur dur travail. La plupart des membres de ces Comités sont des enseignant(e)s d'école secondaire actifs d'un bout à l'autre du Canada qui offre leur temps et contribuent des douzaines d'heures d'expertise. Sans leurs problèmes perspicaces et amusants, ces Concours ne seraient pas possibles.

Nous aimerions remercier aussi tous les participants incluant les enseignants et les étudiants. Nous espérons que les concours vous ont offert des mathématiques intéressantes qui vous ont amusées et portées à réfléchir. Merci pour votre soutien continué!

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

|               | Pascal | Cayley | Fermat |
|---------------|--------|--------|--------|
| AB            | 102    | 50     | 50     |
| BC            | 203    | 193    | 193    |
| MB            | 57     | 55     | 48     |
| NB            | 31     | 31     | 31     |
| NL            | 30     | 27     | 23     |
| NS            | 33     | 29     | 29     |
| NT            | 1      | 1      | 1      |
| ON            | 693    | 667    | 662    |
| PE            | 7      | 5      | 5      |
| QC            | 91     | 93     | 93     |
| SK            | 23     | 22     | 20     |
| YT            | 1      | 1      | 1      |
| International | 280    | 289    | 273    |
| Total         | 1552   | 1463   | 1429   |

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

|               | Pascal | Cayley | Fermat |
|---------------|--------|--------|--------|
| AB            | 2614   | 852    | 681    |
| BC            | 4325   | 3387   | 3038   |
| MB            | 1289   | 1005   | 741    |
| NB            | 496    | 489    | 339    |
| NL            | 577    | 411    | 283    |
| NS            | 859    | 539    | 292    |
| NT            | 5      | 8      | 6      |
| ON            | 11964  | 9643   | 8505   |
| PE            | 163    | 58     | 46     |
| QC            | 2162   | 2067   | 1776   |
| SK            | 338    | 264    | 190    |
| YT            | 1      | 4      | 6      |
| International | 5991   | 4923   | 4706   |
| Total         | 30784  | 23650  | 20609  |

**Total number of students enrolled / Nombre d'inscriptions individuelles: 75043**

**2019 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS  
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2019**

**PASCAL CONTEST / CONCOURS PASCAL**

**STUDENTS / ÉLÈVES**

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

|             | School<br>École                     | Location<br>Endroit |
|-------------|-------------------------------------|---------------------|
| JIARUI CAO  | Abbey Park H.S.                     | Oakville, ON        |
| JASON FANG  | Prince of Wales S.S.                | Vancouver, BC       |
| LAWRENCE WU | Upper Canada College (Upper School) | Toronto, ON         |
| ALAN ZHENG  | A.Y. Jackson S.S.                   | North York, ON      |
| KEVIN ZHU   | Oakville Trafalgar H.S.             | Oakville, ON        |

**TEAMS / ÉQUIPES**

|                     | School<br>École                                      | Location<br>Endroit | Score<br>Note |
|---------------------|--|---------------------|---------------|
| Champion / Première | Upper Canada College (Upper School)                  | Toronto             | 432           |
| Second / Deuxième   | Oakville Trafalgar H.S.                              | Oakville            | 425           |
| Third / Troisième   | Abbey Park H.S.                                      | Oakville            | 421           |
| Fourth / Quatrième  | Milliken Mills H.S.<br>St. John's-Ravenscourt School | Markham<br>Winnipeg | 418<br>418    |

**2019 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS  
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2019**

**CAYLEY CONTEST / CONCOURS CAYLEY**

**STUDENTS / ÉLÈVES**

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

|              | School<br>École         | Location<br>Endroit |
|--------------|-------------------------|---------------------|
| LIN CHENGHAN | Bur Oak S.S.            | Markham, ON         |
| HONGYI CHEN  | St. George's School     | Vancouver, BC       |
| WEN OU       | Colonel By S.S.         | Gloucester, ON      |
| ALEC SITU    |                         | Vancouver, BC       |
| RYAN SUN     | Colonel By S.S.         | Gloucester, ON      |
| SIQI WANG    | Michael Power-St Joseph | Etobicoke, ON       |
| CAMELLIA XU  | Point Grey S.S.         | Vancouver, BC       |
| ANDREW YE    | Oakville Trafalgar H.S. | Oakville, ON        |

**TEAMS / ÉQUIPES**

|                     | School<br>École               | Location<br>Endroit | Score<br>Note |
|---------------------|-------------------------------|---------------------|---------------|
| Champion / Première | Colonel By S.S.               | Gloucester          | 430           |
| Second / Deuxième   | St. George's School           | Vancouver           | 424           |
| Third / Troisième   | Marc Garneau C.I.             | North York          | 420           |
| Fourth / Quatrième  | Victoria Park C.I.            | North York          | 418           |
| Fifth / Cinquième   | Bur Oak S.S.                  | Markham             | 416           |
|                     | University of Toronto Schools | Toronto             | 416           |

**2019 STUDENT CHAMPIONS AND CHAMPIONSHIP TEAMS  
PALMARÈS INDIVIDUEL ET PALMARÈS PAR ÉQUIPE 2019**

**FERMAT CONTEST / CONCOURS FERMAT**

**STUDENTS / ÉLÈVES**

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

|                | School<br>École                  | Location<br>Endroit |
|----------------|----------------------------------|---------------------|
| JONATHAN CAO   | R.C. Palmer S.S.                 | Richmond, BC        |
| ZEV FRIEDMAN   | Academy for Gifted Children-PACE | Richmond Hill, ON   |
| DANIEL GOSSE   | Gonzaga H.S.                     | St Johns, NL        |
| TIANQI JIANG   |                                  | Ottawa, ON          |
| ANDY KIM       |                                  | Ottawa, ON          |
| ALBERT LAI     | Pierre Elliott Trudeau H.S.      | Markham, ON         |
| MICHAEL LI     | Marc Garneau C.I.                | North York, ON      |
| SIYU LIU       | Appleby College                  | Oakville, ON        |
| YU LI          | Western Canada H.S.              | Calgary, AB         |
| LEONID NEDIAK  | Regiopolis-Notre Dame C.H.S.     | Kingston, ON        |
| WILLIAM SZETO  | University of Toronto Schools    | Toronto, ON         |
| JERRY WANG     | University of Toronto Schools    | Toronto, ON         |
| YUDAI YAMAZAKI | Thomas Haney S.S.                | Maple Ridge, BC     |
| ETHAN ZHANG    | Don Mills C.I.                   | North York, ON      |
| KEVIN ZHANG    | Western Canada H.S.              | Calgary, AB         |
| ZIXIANG ZHOU   | London Central S.S.              | London, ON          |

**TEAMS / ÉQUIPES**

|                     | School<br>École               | Location<br>Endroit | Score<br>Note |
|---------------------|-------------------------------|---------------------|---------------|
| Champion / Première | University of Toronto Schools | Toronto             | 436           |
| Second / Deuxième   | Marc Garneau C.I.             | North York          | 428           |
| Third / Troisième   | Western Canada H.S.           | Calgary             | 426           |
| Fourth / Quatrième  | Pinetree S.S.                 | Coquitlam           | 415           |
| Fifth / Cinquième   | John Fraser S.S.              | Mississauga         | 410           |
|                     | Moscrop S.S.                  | Burnaby             | 410           |



**2019 FERMAT CONTEST REGIONAL CHAMPIONS  
CHAMPIONS RÉGIONAUX AU CONCOURS FERMAT 2019**

*Each student below will receive a \$200 prize / Chaque étudiant ci-dessous recevrait un prix de 200 \$*

| Province   | Student        | School                        | Location      |
|------------|----------------|-------------------------------|---------------|
| Province   | Étudiant       | École                         | Endroit       |
| AB         | YU LI          | Western Canada H.S.           | Calgary       |
| AB         | KEVIN ZHANG    | Western Canada H.S.           | Calgary       |
| BC         | JONATHAN CAO   | R.C. Palmer S.S.              | Richmond      |
| BC         | YUDAI YAMAZAKI | Thomas Haney S.S.             | Maple Ridge   |
| MB         | TOM FRIESEN    | Garden Valley C.I.            | Winkler       |
| NB         | QUANG NGUYEN   | Bernice MacNaughton H.S.      | Moncton       |
| NL         | DANIEL GOSSE   | Gonzaga H.S.                  | St Johns      |
| NT         | Y HONG         | Ecole Sir John Franklin H.S.  | Yellowknife   |
| NS         | MARIA MIHAI    | Holland Road Elementary       | Wellington    |
| ON North   | ALEX CHEN      | Rosseau Lake College          | Rosseau       |
| ON East    | TIANQI JIANG   |                               | Ottawa        |
| ON East    | ANDY KIM       |                               | Ottawa        |
| ON East    | LEONID NEDIAK  | Regiopolis-Notre Dame C.H.S.  | Kingston      |
| ON Metro   | WILLIAM SZETO  | University of Toronto Schools | Toronto       |
| ON Metro   | MICHAEL LI     | Marc Garneau C.I.             | North York    |
| ON Central | SIYU LIU       | Appleby College               | Oakville      |
| ON West    | ZIXIANG ZHOU   | London Central S.S.           | London        |
| PE         | ROBIN ZHANG    | Colonel Gray Sr. H.S          | Charlottetown |
| QC         | MELISSA WU     | The Study                     | Westmount     |
| SK         | HAOZHE YANG    | Walter Murray C.I.            | Saskatoon     |
| YT         | JAMES STOREY   | F.H. Collins School           | Whitehorse    |

| #  | Pascal | Cayley | Fermat |
|----|--------|--------|--------|
| 1  | D      | A      | E      |
| 2  | E      | C      | B      |
| 3  | B      | D      | A      |
| 4  | D      | C      | A      |
| 5  | D      | A      | E      |
| 6  | B      | E      | C      |
| 7  | A      | E      | B      |
| 8  | D      | E      | C      |
| 9  | D      | C      | E      |
| 10 | C      | A      | B      |
| 11 | E      | B      | C      |
| 12 | C      | A      | D      |
| 13 | B      | B      | C      |
| 14 | A      | B      | B      |
| 15 | D      | C      | A      |
| 16 | E      | E      | A      |
| 17 | E      | D      | B      |
| 18 | C      | D      | B      |
| 19 | A      | A      | D      |
| 20 | B      | E      | A      |
| 21 | E      | A      | A      |
| 22 | C      | B      | B      |
| 23 | A      | E      | B      |
| 24 | E      | A      | E      |
| 25 | E      | E      | A      |

Number of Contestants / Nombre de concurrents: 25464

Average mark / Note moyenne: 89.54

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

| #  | Correct Answer/<br>Bonne Réponse | A     | B     | C     | D     | E     | % not attempted/<br>% sans réponse | % correct of attempted<br>% tentatives réussies |
|----|----------------------------------|-------|-------|-------|-------|-------|------------------------------------|---|
| 1  | D                                | 0.37  | 1.29  | 0.69  | 97.44 | 0.18  | 0.03                               | 97.47   |
| 2  | E                                | 0.23  | 0.83  | 0.31  | 0.68  | 97.57 | 0.38                               | 97.94   |
| 3  | B                                | 0.26  | 98.51 | 0.75  | 0.18  | 0.13  | 0.16                               | 98.67   |
| 4  | D                                | 0.36  | 1.12  | 0.70  | 97.32 | 0.13  | 0.38                               | 97.69   |
| 5  | D                                | 1.49  | 6.68  | 3.93  | 83.14 | 4.02  | 0.74                               | 83.76   |
| 6  | B                                | 5.58  | 78.51 | 1.61  | 3.92  | 3.10  | 7.28                               | 84.67   |
| 7  | A                                | 69.11 | 3.04  | 5.05  | 6.19  | 5.71  | 10.91                              | 77.57   |
| 8  | D                                | 3.26  | 2.57  | 20.01 | 56.50 | 6.96  | 10.69                              | 63.26   |
| 9  | D                                | 7.35  | 32.63 | 3.35  | 36.60 | 9.52  | 10.54                              | 40.91   |
| 10 | C                                | 1.99  | 20.42 | 67.07 | 2.98  | 2.16  | 5.38                               | 70.88   |
| 11 | E                                | 4.27  | 3.70  | 4.24  | 5.16  | 75.75 | 6.87                               | 81.34   |
| 12 | C                                | 2.02  | 4.57  | 77.06 | 2.32  | 3.07  | 10.96                              | 86.55   |
| 13 | B                                | 5.80  | 74.46 | 3.53  | 2.68  | 4.83  | 8.71                               | 81.56   |
| 14 | A                                | 71.93 | 7.76  | 1.54  | 6.52  | 1.56  | 10.69                              | 80.54   |
| 15 | D                                | 2.30  | 1.42  | 1.67  | 86.61 | 4.76  | 3.24                               | 89.51   |
| 16 | E                                | 2.83  | 3.09  | 5.19  | 15.85 | 69.51 | 3.52                               | 72.05   |
| 17 | E                                | 3.82  | 8.18  | 3.18  | 3.46  | 67.75 | 13.60                              | 78.41   |
| 18 | C                                | 5.83  | 3.54  | 32.57 | 6.44  | 8.35  | 43.27                              | 57.41   |
| 19 | A                                | 31.90 | 24.65 | 7.38  | 6.20  | 13.29 | 16.58                              | 38.24   |
| 20 | B                                | 4.41  | 26.40 | 6.55  | 7.74  | 8.76  | 46.14                              | 49.02   |
| 21 | E                                | 5.84  | 37.48 | 8.62  | 4.76  | 17.30 | 26.01                              | 23.38   |
| 22 | C                                | 6.43  | 6.75  | 17.83 | 7.41  | 4.25  | 57.34                              | 41.80   |
| 23 | A                                | 11.46 | 6.73  | 13.17 | 23.40 | 10.18 | 35.06                              | 17.65   |
| 24 | E                                | 8.79  | 10.74 | 6.31  | 5.05  | 3.34  | 65.76                              | 9.75  |
| 25 | E                                | 5.28  | 7.07  | 7.45  | 9.65  | 7.39  | 63.15                              | 20.05   |

Number of Contestants / Nombre de concurrents: 19473

Average mark / Note moyenne: 96.16

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

| #  | Correct Answer/<br>Bonne Réponse | A     | B     | C     | D     | E     | % not attempted/<br>% sans réponse | % correct of attempted<br>% tentatives réussies |
|----|----------------------------------|-------|-------|-------|-------|-------|------------------------------------|---|
| 1  | A                                | 99.00 | 0.59  | 0.25  | 0.03  | 0.12  | 0.02                               | 99.02   |
| 2  | C                                | 0.11  | 0.54  | 98.20 | 0.11  | 0.96  | 0.08                               | 98.28   |
| 3  | D                                | 0.17  | 1.34  | 0.53  | 97.46 | 0.12  | 0.38                               | 97.83   |
| 4  | C                                | 1.43  | 0.38  | 94.79 | 0.43  | 2.10  | 0.87                               | 95.62   |
| 5  | A                                | 97.35 | 0.41  | 0.36  | 0.23  | 0.93  | 0.71                               | 98.05   |
| 6  | E                                | 0.91  | 5.58  | 4.44  | 4.44  | 79.17 | 5.47                               | 83.75   |
| 7  | E                                | 3.85  | 3.58  | 0.74  | 1.39  | 87.99 | 2.44                               | 90.19   |
| 8  | E                                | 0.43  | 0.59  | 2.91  | 1.45  | 93.53 | 1.09                               | 94.56   |
| 9  | C                                | 2.86  | 6.94  | 58.16 | 15.72 | 3.17  | 13.16                              | 66.97   |
| 10 | A                                | 65.22 | 5.25  | 17.41 | 7.89  | 1.79  | 2.43                               | 66.84   |
| 11 | B                                | 2.25  | 93.24 | 0.79  | 0.54  | 1.39  | 1.80                               | 94.95   |
| 12 | A                                | 65.10 | 15.14 | 4.77  | 1.76  | 1.86  | 11.37                              | 73.45   |
| 13 | B                                | 6.61  | 78.95 | 2.05  | 3.34  | 1.65  | 7.38                               | 85.24   |
| 14 | B                                | 2.64  | 68.03 | 2.44  | 17.47 | 1.69  | 7.73                               | 73.73   |
| 15 | C                                | 7.50  | 6.99  | 53.37 | 4.75  | 3.71  | 23.68                              | 69.93   |
| 16 | E                                | 1.10  | 3.52  | 14.06 | 10.39 | 63.22 | 7.72                               | 68.51   |
| 17 | D                                | 5.68  | 9.89  | 6.87  | 50.39 | 13.23 | 13.94                              | 58.55   |
| 18 | D                                | 1.56  | 19.02 | 17.55 | 46.51 | 7.13  | 8.24                               | 50.69   |
| 19 | A                                | 40.85 | 5.38  | 5.85  | 4.34  | 3.31  | 40.27                              | 68.39   |
| 20 | E                                | 8.30  | 5.10  | 5.19  | 29.89 | 9.47  | 42.05                              | 16.34   |
| 21 | A                                | 57.08 | 6.72  | 5.59  | 4.34  | 2.02  | 24.24                              | 75.34   |
| 22 | B                                | 13.46 | 51.81 | 7.49  | 4.63  | 6.46  | 16.17                              | 61.80   |
| 23 | E                                | 5.60  | 13.32 | 17.91 | 8.08  | 10.47 | 44.63                              | 18.91   |
| 24 | A                                | 4.10  | 6.97  | 7.16  | 11.67 | 7.03  | 63.07                              | 11.10   |
| 25 | E                                | 3.17  | 5.95  | 7.85  | 6.49  | 5.72  | 70.82                              | 19.60   |

Number of Contestants / Nombre de concurrents: 17047

Average mark / Note moyenne: 93.91

Percentage of contestants selecting each option / Pourcentage de concurrents par choix:

| #  | Correct Answer/<br>Bonne Réponse | A     | B     | C     | D     | E     | % not attempted/<br>% sans réponse | % correct of attempted<br>% tentatives réussies |
|----|----------------------------------|-------|-------|-------|-------|-------|------------------------------------|---|
| 1  | E                                | 1.12  | 1.18  | 5.54  | 5.81  | 85.46 | 0.89                               | 86.23   |
| 2  | B                                | 0.83  | 92.94 | 3.75  | 0.67  | 0.56  | 1.25                               | 94.12   |
| 3  | A                                | 97.74 | 0.19  | 0.48  | 0.79  | 0.58  | 0.22                               | 97.96   |
| 4  | A                                | 87.16 | 1.39  | 2.31  | 3.02  | 2.65  | 3.48                               | 90.30   |
| 5  | E                                | 0.26  | 1.87  | 1.75  | 0.42  | 95.25 | 0.45                               | 95.68   |
| 6  | C                                | 2.49  | 1.13  | 93.76 | 1.14  | 0.60  | 0.89                               | 94.60   |
| 7  | B                                | 4.31  | 91.73 | 1.82  | 0.42  | 1.03  | 0.70                               | 92.38   |
| 8  | C                                | 2.91  | 4.33  | 84.43 | 4.35  | 2.18  | 1.80                               | 85.98   |
| 9  | E                                | 0.22  | 8.42  | 0.34  | 2.35  | 87.58 | 1.09                               | 88.55   |
| 10 | B                                | 3.15  | 67.81 | 8.30  | 7.71  | 7.50  | 5.53                               | 71.78   |
| 11 | C                                | 19.33 | 4.93  | 63.24 | 1.94  | 4.83  | 5.71                               | 67.07   |
| 12 | D                                | 1.50  | 1.64  | 0.77  | 79.07 | 16.00 | 1.02                               | 79.88   |
| 13 | C                                | 1.20  | 2.01  | 88.17 | 2.16  | 0.94  | 5.51                               | 93.31   |
| 14 | B                                | 2.45  | 77.71 | 1.60  | 11.65 | 1.39  | 5.20                               | 81.97   |
| 15 | A                                | 46.08 | 17.90 | 4.81  | 5.20  | 11.92 | 14.08                              | 53.63   |
| 16 | A                                | 76.02 | 3.38  | 2.95  | 3.29  | 3.36  | 11.01                              | 85.43   |
| 17 | B                                | 5.98  | 31.79 | 7.25  | 5.80  | 5.83  | 43.36                              | 56.13   |
| 18 | B                                | 6.86  | 21.60 | 13.49 | 10.09 | 3.55  | 44.41                              | 38.86   |
| 19 | D                                | 2.51  | 6.34  | 2.99  | 26.27 | 8.72  | 53.18                              | 56.11   |
| 20 | A                                | 28.69 | 11.20 | 6.28  | 3.68  | 14.41 | 35.73                              | 44.64   |
| 21 | A                                | 52.57 | 7.74  | 6.28  | 5.41  | 2.06  | 25.92                              | 70.96   |
| 22 | B                                | 3.23  | 20.58 | 6.66  | 12.02 | 3.38  | 54.13                              | 44.87   |
| 23 | B                                | 7.58  | 8.79  | 10.36 | 6.59  | 7.08  | 59.59                              | 21.75   |
| 24 | E                                | 7.19  | 6.29  | 6.86  | 7.57  | 4.49  | 67.60                              | 13.86   |
| 25 | A                                | 5.26  | 5.94  | 10.27 | 9.74  | 4.43  | 64.35                              | 14.75   |

**Student Rankings**

**Classements des élèves**

| Score/<br>Note | Pascal<br>Rank/<br>Position | Cayley<br>Rank/<br>Position | Fermat<br>Rank/<br>Position | Score/<br>Note | Pascal<br>Rank/<br>Position | Cayley<br>Rank/<br>Position | Fermat<br>Rank/<br>Position |
|----------------|-----------------------------|-----------------------------|-----------------------------|----------------|-----------------------------|-----------------------------|-----------------------------|
| 150            | 1                           | 1                           | 1                           | 99             | 8350                        | 9209                        | 7094                        |
| 149            |                             |                             |                             | 98             | 8901                        | 9584                        | 7412                        |
| 148            |                             |                             |                             | 97             | 9369                        | 9973                        | 7857                        |
| 147            |                             |                             |                             | 96             | 9921                        | 10335                       | 8182                        |
| 146            |                             |                             |                             | 95             | 10420                       | 10639                       | 8607                        |
| 145            | 10                          |                             |                             | 94             | 10995                       | 11034                       | 8941                        |
| 144            | 12                          | 14                          | 7                           | 93             | 11473                       | 11369                       | 9373                        |
| 143            |                             |                             |                             | 92             | 12020                       | 11675                       | 9697                        |
| 142            | 28                          | 20                          | 23                          | 91             | 12478                       | 12008                       | 10067                       |
| 141            |                             | 38                          | 45                          | 90             | 12975                       | 12339                       | 10361                       |
| 140            | 52                          |                             | 46                          | 89             | 13547                       | 12649                       | 10663                       |
| 139            | 54                          |                             | 48                          | 88             | 14038                       | 12950                       | 11020                       |
| 138            | 57                          | 39                          | 51                          | 87             | 14524                       | 13245                       | 11346                       |
| 137            | 129                         |                             | 104                         | 86             | 14967                       | 13529                       | 11616                       |
| 136            | 136                         | 94                          | 108                         | 85             | 15404                       | 13822                       | 11864                       |
| 135            |                             | 129                         | 145                         | 84             | 15870                       | 14079                       | 12106                       |
| 134            | 174                         | 130                         | 146                         | 83             | 16318                       | 14350                       | 12393                       |
| 133            | 237                         | 173                         | 184                         | 82             | 16711                       | 14652                       | 12695                       |
| 132            | 271                         | 181                         | 198                         | 81             | 17094                       | 14900                       | 12941                       |
| 131            | 344                         | 313                         | 302                         | 80             | 17512                       | 15171                       | 13158                       |
| 130            | 353                         | 324                         | 307                         | 79             | 17887                       | 15410                       | 13359                       |
| 129            | 478                         | 471                         | 376                         | 78             | 18291                       | 15629                       | 13547                       |
| 128            | 498                         | 489                         | 387                         | 77             | 18644                       | 15856                       | 13783                       |
| 127            | 596                         | 713                         | 496                         | 76             | 18952                       | 16060                       | 13998                       |
| 126            | 633                         | 752                         | 514                         | 75             | 19280                       | 16257                       | 14206                       |
| 125            | 852                         | 1113                        | 734                         | 74             | 19584                       | 16450                       | 14370                       |
| 124            | 907                         | 1178                        | 759                         | 73             | 19972                       | 16633                       | 14524                       |
| 123            | 1079                        | 1489                        | 924                         | 72             | 20302                       | 16838                       | 14683                       |
| 122            | 1149                        | 1560                        | 963                         | 71             | 20565                       | 17026                       | 14847                       |
| 121            | 1306                        | 1893                        | 1173                        | 70             | 20869                       | 17198                       | 15013                       |
| 120            | 1424                        | 2014                        | 1244                        | 69             | 21143                       | 17354                       | 15126                       |
| 119            | 1670                        | 2443                        | 1530                        | 68             | 21402                       | 17503                       | 15246                       |
| 118            | 1774                        | 2589                        | 1579                        | 67             | 21710                       | 17641                       | 15387                       |
| 117            | 2016                        | 2937                        | 1845                        | 66             | 21947                       | 17801                       | 15510                       |
| 116            | 2139                        | 3127                        | 1925                        | 65             | 22174                       | 17954                       | 15626                       |
| 115            | 2386                        | 3509                        | 2156                        | 64             | 22373                       | 18054                       | 15720                       |
| 114            | 2584                        | 3759                        | 2243                        | 63             | 22551                       | 18175                       | 15806                       |
| 113            | 2864                        | 4253                        | 2605                        | 62             | 22756                       | 18283                       | 15900                       |
| 112            | 3100                        | 4484                        | 2702                        | 61             | 22967                       | 18389                       | 15991                       |
| 111            | 3449                        | 4901                        | 3071                        | 60             | 23143                       | 18475                       | 16072                       |
| 110            | 3674                        | 5181                        | 3189                        | 59             | 23311                       | 18558                       | 16135                       |
| 109            | 4049                        | 5536                        | 3620                        | 58             | 23474                       | 18641                       | 16207                       |
| 108            | 4356                        | 5894                        | 3802                        | 57             | 23626                       | 18717                       | 16263                       |
| 107            | 4719                        | 6313                        | 4293                        | 56             | 23818                       | 18786                       | 16310                       |
| 106            | 5137                        | 6620                        | 4477                        | 55             | 23952                       | 18868                       | 16362                       |
| 105            | 5561                        | 7034                        | 4898                        | 54             | 24078                       | 18926                       | 16416                       |
| 104            | 5971                        | 7373                        | 5126                        | 53             | 24195                       | 18969                       | 16462                       |
| 103            | 6400                        | 7744                        | 5623                        | 52             | 24297                       | 19030                       | 16505                       |
| 102            | 6894                        | 8101                        | 5883                        | 51             | 24398                       | 19067                       | 16555                       |
| 101            | 7338                        | 8504                        | 6381                        | 50             | 24504                       | 19100                       | 16596                       |
| 100            | 7907                        | 8843                        | 6634                        | 49             | 24587                       | 19147                       | 16638                       |

| Score/<br>Note | Pascal<br>Rank/<br>Position | Cayley<br>Rank/<br>Position | Fermat<br>Rank/<br>Position |
|----------------|-----------------------------|-----------------------------|-----------------------------|
| 48             | 24663                       | 19177                       | 16669                       |
| 47             | 24746                       | 19211                       | 16704                       |
| 46             | 24819                       | 19247                       | 16734                       |
| 45             | 24885                       | 19276                       | 16764                       |
| 44             | 24966                       | 19300                       | 16794                       |
| 43             | 25022                       | 19328                       | 16817                       |
| 42             | 25077                       | 19344                       | 16844                       |
| 41             | 25121                       | 19359                       | 16860                       |
| 40             | 25153                       | 19374                       | 16879                       |
| 39             | 25203                       | 19385                       | 16893                       |
| 38             | 25240                       | 19399                       | 16909                       |
| 37             | 25274                       | 19404                       | 16922                       |
| 36             | 25305                       | 19413                       | 16933                       |
| 35             | 25324                       | 19423                       | 16945                       |
| 34             | 25345                       | 19427                       | 16964                       |
| 33             | 25366                       | 19432                       | 16970                       |
| 32             | 25380                       | 19436                       | 16973                       |
| 31             | 25397                       | 19441                       | 16982                       |
| 30             | 25410                       | 19443                       | 16987                       |
| 29             | 25420                       | 19453                       | 16994                       |
| 28             | 25428                       | 19457                       | 16999                       |
| 27             | 25434                       | 19460                       | 17008                       |
| 26             | 25441                       | 19462                       | 17010                       |
| 25             | 25446                       |                             | 17015                       |
| 24             |                             | 19466                       | 17018                       |
| 23             | 25451                       |                             | 17023                       |
| 22             | 25454                       |                             | 17025                       |
| 21             | 25459                       | 19468                       | 17029                       |
| 20             | 25460                       | 19469                       | 17032                       |
| 19             |                             |                             |                             |
| 18             |                             |                             | 17034                       |
| 17             | 25461                       | 19471                       | 17037                       |
| 16             |                             | 19472                       | 17040                       |
| 15             | 25462                       |                             | 17041                       |
| 14             |                             |                             |                             |
| 13             |                             |                             | 17044                       |
| 12             |                             |                             |                             |
| 11             | 25463                       | 19473                       |                             |
| 10             |                             |                             | 17045                       |

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

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

| Scores/<br>Notes | Pascal<br># of Schools/<br>N° d'écoles | Cayley<br># of Schools/<br>N° d'écoles | Fermat<br># of Schools/<br>N° d'écoles |
|------------------|--|--|--|
| 440 - 450        | 1                                      | 2                                      | 1                                      |
| 430 - 439        | 2                                      | 1                                      | 2                                      |
| 420 - 429        | 3                                      | 2                                      | 3                                      |
| 410 - 419        | 14                                     | 8                                      | 6                                      |
| 400 - 409        | 21                                     | 20                                     | 18                                     |
| 390 - 399        | 25                                     | 59                                     | 32                                     |
| 380 - 389        | 35                                     | 66                                     | 47                                     |
| 370 - 379        | 63                                     | 97                                     | 67                                     |
| 360 - 369        | 80                                     | 92                                     | 46                                     |
| 350 - 359        | 82                                     | 124                                    | 72                                     |
| 340 - 349        | 87                                     | 105                                    | 84                                     |
| 330 - 339        | 114                                    | 101                                    | 96                                     |
| 320 - 329        | 113                                    | 81                                     | 99                                     |
| 310 - 319        | 113                                    | 74                                     | 112                                    |
| 300 - 309        | 92                                     | 55                                     | 76                                     |

**Number of three student teams / Nombre d'équipes de trois élèves**

*Pascal Contest / Concours Pascal: 1082*

*Cayley Contest / Concours Cayley: 1024*

*Fermat Contest / Concours Fermat: 1002*





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**2019**  
**Results**

**2019**  
**Résultats**

***Pascal Contest***  
*(Grade 9)*

***Concours Pascal***  
*(9<sup>e</sup> année – Sec. III)*

***Cayley Contest***  
*(Grade 10)*

***Concours Cayley***  
*(10<sup>e</sup> année – Sec. IV)*

***Fermat Contest***  
*(Grade 11)*

***Concours Fermat***  
*(11<sup>e</sup> année – Sec. V)*

***Cayley Contest Honour Rolls***  
***Palmarès pour le concours Cayley***

2019  
Cayley Contest/Concours Cayley  
Team Honour Rolls/Palmarès d'équipes

| Rank/Rang | School/École                        | City/Ville     | Score/Note |
|-----------|-------------------------------------|----------------|------------|
| 1         | Colonel By S.S.                     | Gloucester     | 430        |
| 2         | St. George's School                 | Vancouver      | 424        |
| 3         | Marc Garneau C.I.                   | North York     | 420        |
| 4         | Victoria Park C.I.                  | North York     | 418        |
| 5         | Bur Oak S.S.                        | Markham        | 416        |
| 5         | University of Toronto Schools       | Toronto        | 416        |
| 7         | Oakville Trafalgar H.S.             | Oakville       | 414        |
| 7         | The Woodlands Sec. School           | Mississauga    | 414        |
| 9         | Abbey Park H.S.                     | Oakville       | 408        |
| 9         | John Fraser S.S.                    | Mississauga    | 408        |
| 9         | York Mills C.I.                     | North York     | 408        |
| 12        | Point Grey S.S.                     | Vancouver      | 407        |
| 12        | Vincent Massey S.S.                 | Windsor        | 407        |
| 14        | David Thompson S.S.                 | Vancouver      | 406        |
| 14        | Moscrop S.S.                        | Burnaby        | 406        |
| 16        | Port Moody Sr. S.S.                 | Port Moody     | 404        |
| 17        | Dr. G.W. Williams S.S.              | Aurora         | 402        |
| 17        | London Central S.S.                 | London         | 402        |
| 17        | Michael Power-St Joseph             | Etobicoke      | 402        |
| 17        | Sir John A. Macdonald S.S.          | Waterloo       | 402        |
| 17        | Western Canada H.S.                 | Calgary        | 402        |
| 22        | St. Robert C.H.S.                   | Thornhill      | 401        |
| 23        | Havergal College                    | North York     | 400        |
| 23        | Markham District H.S.               | Markham        | 400        |
| 23        | Pickering H.S.                      | Ajax           | 400        |
| 26        | Lord Byng S.S.                      | Vancouver      | 399        |
| 27        | Bayview S.S.                        | Richmond Hill  | 398        |
| 27        | Burnaby South S.S.                  | Burnaby        | 398        |
| 27        | College St. Alexandre               | Gatineau       | 398        |
| 27        | Old Scona Academic H.S.             | Edmonton       | 398        |
| 27        | Richmond Hill H.S.                  | Richmond Hill  | 398        |
| 27        | Vancouver Tech. S.S.                | Vancouver      | 398        |
| 27        | White Oaks S.S.                     | Oakville       | 398        |
| 27        | William Lyon Mackenzie C.I.         | North York     | 398        |
| 35        | College Jean de Brebeuf             | Montreal       | 397        |
| 35        | Earl of March S.S.                  | Kanata         | 397        |
| 35        | Markville S.S.                      | Markham        | 397        |
| 35        | Queen Margaret's School             | Duncan         | 397        |
| 35        | Upper Canada College (Upper School) | Toronto        | 397        |
| 40        | Bloor C.I.                          | Toronto        | 396        |
| 41        | Bishop Tonnos C.S.S.                | Ancaster       | 394        |
| 41        | Fleetwood Park S.S.                 | Surrey         | 394        |
| 41        | Hugh McRoberts S.S.                 | Richmond       | 394        |
| 41        | Iroquois Ridge H.S.                 | Oakville       | 394        |
| 41        | Mount Douglas S.S.                  | Victoria       | 394        |
| 41        | R.E. Mountain S.S.                  | Langley        | 394        |
| 41        | Royal West Academy                  | Montreal-Ouest | 394        |
| 41        | Sentinel S.S.                       | West Vancouver | 394        |
| 41        | St. Ignatius H.S.                   | Thunder Bay    | 394        |
| 41        | St. John's-Ravenscourt School       | Winnipeg       | 394        |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants

| Name/Nom                      | School/École | Location/Endroit        | Grade/Niveau  |
|-------------------------------|--------------|-------------------------|---------------|
| <b>Group I/Groupe I</b>       |              |                         |               |
| <b>Scores/Notes 150 - 143</b> |              |                         |               |
| CHEN                          | HONGYI       | St. George's School     | Vancouver 10  |
| CHENGHAN                      | LIN          | Bur Oak S.S.            | Markham 10    |
| OU                            | WEN          | Colonel By S.S.         | Gloucester 10 |
| SITU                          | ALEC         |                         | Vancouver 8   |
| SUN                           | RYAN         | Colonel By S.S.         | Gloucester 10 |
| WANG                          | SIQI         | Michael Power-St Joseph | Etobicoke 10  |
| XU                            | CAMELLIA     | Point Grey S.S.         | Vancouver 10  |
| YE                            | ANDREW       | Oakville Trafalgar H.S. | Oakville 10   |

|                               |               |                                |                   |
|-------------------------------|---------------|--------------------------------|-------------------|
| <b>Group II/Groupe II</b>     |               |                                |                   |
| <b>Scores/Notes 142 - 142</b> |               |                                |                   |
| CAI                           | ZHIRONG KITTY | Victoria Park C.I.             | North York 10     |
| CARLSON                       | ANDREW        | Old Scona Academic H.S.        | Edmonton 10       |
| CHANG                         | BRYAN         | David Thompson S.S.            | Vancouver 10      |
| CHOE                          | ALEX          | Earl of March S.S.             | Kanata 10         |
| EILEY                         | HARLEY        | Royal West Academy             | Montreal-Ouest 10 |
| GALDINO                       | JOAO LUCAS    | College St. Alexandre          | Gatineau 10       |
| GUO                           | JASON         | St. George's School            | Vancouver 10      |
| HUANG                         | ERYU          | St. Mildred's-Lightbourn Schoo | Oakville 10       |
| LIN                           | PATRICK       |                                | North York 8      |
| TIAN                          | AMANDA        | Marc Garneau C.I.              | North York 10     |
| WANG                          | JAY           | Hugh McRoberts S.S.            | Richmond 10       |
| WANG                          | JENNIFER      | University of Toronto Schools  | Toronto 10        |
| WANG                          | WENJIE        | Sir William Mulock S.S.        | Newmarket 10      |
| WANG                          | ZIMU          |                                | Vancouver 10      |
| WU                            | ANDREW        | Marc Garneau C.I.              | North York 10     |
| YAN                           | KEVIN         | R.C. Palmer S.S.               | Richmond 9        |
| ZHANG                         | DANNY         | Colonel By S.S.                | Gloucester 10     |

|                               |            |                               |                |
|-------------------------------|------------|-------------------------------|----------------|
| <b>Group III/Groupe III</b>   |            |                               |                |
| <b>Scores/Notes 141 - 137</b> |            |                               |                |
| AIKEN                         | SEBASTIAN  | Pickering H.S.                | Ajax 10        |
| AN                            | CURTIS     | John Fraser S.S.              | Mississauga 10 |
| BICHERU                       | CRISTIAN   | Sir John A. Macdonald S.S.    | Waterloo 10    |
| BU                            | YIHUAN     | Abbey Park H.S.               | Oakville 10    |
| CHEN                          | BRYAN      | Markham District H.S.         | Markham 10     |
| CHEN                          | VINCENT    | Western Canada H.S.           | Calgary 10     |
| CHOI                          | CHRISTIAN  | University of Toronto Schools | Toronto 9      |
| CUI                           | NICOLE     | Insight Academy of Canada     | Scarborough 8  |
| FUNG ERNST                    | RILEY      | Abbey Park H.S.               | Oakville 10    |
| GAO                           | JACK       | Victoria Park C.I.            | North York 10  |
| GE                            | ALVIN      | Magee S.S.                    | Vancouver 10   |
| GU                            | KELVIN     | Markville S.S.                | Markham 10     |
| GUO                           | ANLUN      | London Central S.S.           | London 10      |
| HA                            | JEONGHYEON | Marymount Academy             | Montreal 10    |
| HOSSAIN                       | RAFIU      | Bloor C.I.                    | Toronto 10     |
| HROTOVYTSKY                   | BOHDAN     | Bishop Allen Academy          | Etobicoke 10   |
| HU                            | TONY       | Fleetwood Park S.S.           | Surrey 10      |
| HUANG                         | ROSALIND   | Lord Byng S.S.                | Vancouver 10   |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants

**Group III/Groupe III**

**Scores/Notes 141 - 137**

|          |         |                                |             |    |
|----------|---------|--------------------------------|-------------|----|
| IINO     | SHIZURU | Queen Margaret's School        | Duncan      | 10 |
| KIM      | JOSIAH  | Erindale S.S.                  | Mississauga | 10 |
| LI       | ANDY    | York Mills C.I.                | North York  | 10 |
| LUO      | LI XUAN | The Woodlands Sec. School      | Mississauga | 10 |
| MA       | JAMIE   | Burnaby South S.S.             | Burnaby     | 10 |
| MA       | YIFEI   | The Woodlands Sec. School      | Mississauga | 10 |
| POCRNJIC | TANIA   | Moscrop S.S.                   | Burnaby     | 10 |
| TANG     | YAN     | Heritage Woods Secondary       | Port Moody  | 10 |
| TRAN     | LEANNE  | Ancaster H.S.                  | Ancaster    | 10 |
| WANG     | KING    | Father Michael McGivney C.H.S. | Markham     | 10 |
| WANG     | PETER   | York Mills C.I.                | North York  | 10 |
| WANG     | YIKANG  | Victoria Park C.I.             | North York  | 10 |
| WANG     | YUNSHAN |                                | Toronto     | 8  |
| WRIGHT   | GAVIN   | Waterloo Oxford D.S.S.         | Baden       | 10 |
| XU       | CHEN    | R.E. Mountain S.S.             | Langley     | 10 |
| YANG     | MUYUAN  | College Jean de Brebeuf        | Montreal    | 10 |
| YIN      | LEO     | The Woodlands Sec. School      | Mississauga | 10 |
| ZHANG    | KEVIN   | Vincent Massey S.S.            | Windsor     | 10 |

**Group IV/Groupe IV**

**Scores/Notes 136 - 134**

|          |               |                               |                |    |
|----------|---------------|-------------------------------|----------------|----|
| ARORA    | SAT           | Vincent Massey S.S.           | Windsor        | 10 |
| BEI      | ER            |                               | Vancouver      | 8  |
| BEITEL   | LUCAS         | Vancouver Tech. S.S.          | Vancouver      | 10 |
| BROWN    | LAUREN        | Sir John A. Macdonald S.S.    | Waterloo       | 10 |
| BROWNE   | AMY           | St. Joseph's H.S.             | Barrie         | 10 |
| CAO      | RICHARD       | Rockridge S.S.                | West Vancouver | 10 |
| CHEN     | JIANYANG      |                               | Markham        | 10 |
| CHEN     | TAOYIN        | Victoria Park C.I.            | North York     | 10 |
| CHEUNG   | HOLLY         | Dr. Norman Bethune C.I.       | Scarborough    | 10 |
| COUPAL   | EVAN          | Blyth Academy Waterloo        | Kitchener      | 10 |
| CRUPI    | LUCAS         | St. Ignatius H.S.             | Thunder Bay    | 10 |
| FENG     | CHARLIE       | Oakridge S.S.                 | London         | 10 |
| FOTOVATI | RAYYAN        | St. Thomas H.S.               | Pointe-Claire  | 10 |
| GILBERT  | OLIVIER       | College de Levis              | Levis          | 10 |
| GRACIE   | LAURA         | Lisgar C.I.                   | Ottawa         | 10 |
| GRIGORIU | MARC          | Dr. G.W. Williams S.S         | Aurora         | 10 |
| HALLIDAY | NICHOLAS      | E.S. L'escale                 | Rockland       | 10 |
| HU       | ETHAN         | Marc Garneau C.I.             | North York     | 10 |
| JIA      | SUYANG JARVY  | Bishop's College School       | Sherbrooke     | 10 |
| LEE      | CHARLEY       | Port Moody Sr. S.S.           | Port Moody     | 10 |
| LI       | ALEXANDER     | William Lyon Mackenzie C.I.   | North York     | 10 |
| LI       | LUCY          | St. John's-Ravenscourt School | Winnipeg       | 10 |
| LIM      | JOSEPH        | Pacific Academy               | Surrey         | 10 |
| LIU      | ELIJAH        | Bayview S.S.                  | Richmond Hill  | 10 |
| LIU      | ERICA         | John Fraser S.S.              | Mississauga    | 10 |
| LIU      | JOSHUA        |                               | Vancouver      | 9  |
| LIU      | MARTHA        | Richmond Hill H.S.            | Richmond Hill  | 10 |
| LIU      | SUNNY CHENXIN | Langstaff S.S.                | Richmond Hill  | 10 |
| LIU      | VICTOR        | Vancouver Tech. S.S.          | Vancouver      | 10 |
| MELANSON | CALVIN        | Ancaster H.S.                 | Ancaster       | 10 |
| MORIKAWA | MADOKA        | Queen Margaret's School       | Duncan         | 10 |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants

**Group IV/Groupe IV**

**Scores/Notes 136 - 134**

|            |         |                               |                |    |
|------------|---------|-------------------------------|----------------|----|
| NADEEM     | SUHANA  | Stephen Lewis S.S.            | Mississauga    | 10 |
| OHRI       | ADITYA  | St. Robert C.H.S.             | Thornhill      | 10 |
| RAINY      | XU      | Brookes Westshore             | Victoria       | 10 |
| ROBICHAUD  | BRANDEN | Ecole L'Odyssee               | Moncton        | 9  |
| SCOLLIE    | ZACHARY | St. Ignatius H.S.             | Thunder Bay    | 10 |
| SRIVASTAVA | VEDAANT | Sir Robert Borden H.S.        | Nepean         | 10 |
| TAN        | ERIC    | White Oaks S.S.               | Oakville       | 10 |
| TESIC      | STEFAN  | Bluevale C.I.                 | Waterloo       | 10 |
| THYVOLD    | OLAV    | Mount Douglas S.S.            | Victoria       | 10 |
| VASIC      | MAXIM   | Westmount Charter School HS   | Calgary        | 10 |
| WANG       | BRYAN   | Bur Oak S.S.                  | Markham        | 10 |
| WANG       | KAIXIN  |                               | Vancouver      | 8  |
| WANG       | KEVIN   | Marc Garneau C.I.             | North York     | 10 |
| WANG       | PHOEBE  | St. Robert C.H.S.             | Thornhill      | 10 |
| WANG       | SANDRA  | Pierre Elliott Trudeau H.S.   | Markham        | 10 |
| WHITEFIELD | CAMERON | I. E. Weldon S.S.             | Lindsay        | 10 |
| WIJNHORST  | JOYCE   | Clarence Fulton               | Vernon         | 10 |
| WONG       | OWEN    | John Fraser S.S.              | Mississauga    | 10 |
| WU         | FRANK   | David Thompson S.S.           | Vancouver      | 10 |
| WU         | SOPHY   | Havergal College              | North York     | 10 |
| WU         | WINNIE  | Moscrop S.S.                  | Burnaby        | 10 |
| XIAO       | EDWARD  | University of Toronto Schools | Toronto        | 9  |
| YIM        | TAEHYUN | Sentinel S.S.                 | West Vancouver | 10 |
| YUCHI      | FAITH   | The Bishop Strachan School    | Toronto        | 10 |
| ZHANG      | BOYA    | Port Moody Sr. S.S.           | Port Moody     | 10 |
| ZHANG      | YUYANG  | Forest Hill C.I.              | Toronto        | 10 |
| ZHAO       | YINUO   | Meadowridge School            | Maple Ridge    | 10 |
| ZHENG      | WILSON  | Dr. G.W. Williams S.S         | Aurora         | 10 |
| ZHOU       | DEREK   | Oakville Trafalgar H.S.       | Oakville       | 10 |
| ZHOU       | MICHAEL | William Lyon Mackenzie C.I.   | North York     | 10 |

**Group V/Groupe V**

**Scores/Notes 133 - 132**

|                     |          |                               |            |    |
|---------------------|----------|-------------------------------|------------|----|
| ADAMSON             | TINSAE   | Sir Charles Tupper S.S.       | Vancouver  | 10 |
| ARULRAJ             | AARAN    | Markham District H.S.         | Markham    | 10 |
| BADAKHSHAN          | IMAN     | College Jean de Brebeuf       | Montreal   | 10 |
| BAI                 | SAM      | Southridge School             | Surrey     | 10 |
| BARLOW              | EVAN     | Danforth Coll and Tech. Inst. | Toronto    | 10 |
| BEASANT             | JOSHUA   | Lakeshore C.I.                | Etobicoke  | 10 |
| BOITOR              | WILLIAM  | Father Bressani C.H.S.        | Woodbridge | 10 |
| BROERUIUS VAN NIDEK | JARED    | Vincent Massey S.S.           | Windsor    | 10 |
| CATES               | JACOB    | North Lambton S. S.           | Forest     | 10 |
| CHAN                | MICHAEL  | Western Canada H.S.           | Calgary    | 10 |
| CHEN                | AHREN    | Aurora H.S.                   | Aurora     | 10 |
| CHEN                | ANNIE    | Havergal College              | North York | 10 |
| CHEN                | CHE YU   | Moscrop S.S.                  | Burnaby    | 10 |
| CHEN                | GRANT    | Victoria Park C.I.            | North York | 10 |
| CHEN                | RAYMOND  | Semiahmoo S.S.                | Surrey     | 10 |
| CHEN                | RUOFAN   | Victoria Park C.I.            | North York | 10 |
| CHEN                | XIAOBING | Bur Oak S.S.                  | Markham    | 10 |
| CHOI                | KAI      | St. George's School           | Vancouver  | 10 |
| CHONG               | MINA     | Steveston London S.S.         | Richmond   | 10 |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants

| Group V/Groupe V |           | Scores/Notes 133 - 132         |                |    |
|------------------|-----------|--------------------------------|----------------|----|
| CHOU             | ASHLYN    | Mayfield S.S.                  | Caledon East   | 10 |
| CHOWDHURY        | SHASWATA  | Sir Winston Churchill H.S.     | Calgary        | 10 |
| CLARKIN          | PATRICK   | Nepean H.S.                    | Ottawa         | 10 |
| COLEMAN          | CURTIS    | St. Joseph C.H.S.              | Nepean         | 10 |
| COSTA            | NOAH      | Resurrection C.S.S.            | Kitchener      | 10 |
| DAMANI           | ADITYA    | Sarnia Northern C.I. and V.S.  | Sarnia         | 10 |
| DESOUSA          | JACOB     | Bishop Tonnos C.S.S.           | Ancaster       | 10 |
| EDORA            | RAFAEL    | Mount Douglas S.S.             | Victoria       | 10 |
| GHAZARIAN        | TIGRAN    | ARS Armenian Private School    | Willowdale     | 8  |
| GOTTEINER        | JONATHAN  | Herzliah H.S. (Snowdon)        | Montreal       | 10 |
| GU               | EMMA      | Charles P. Allen H.S.          | Bedford        | 10 |
| GUENETTE         | CHARLIE   | College Laval                  | Laval          | 10 |
| HE               | CATHERINE | Sir John A. Macdonald C.I.     | Scarborough    | 10 |
| HE               | EDWARD    | King's-Edgehill School         | Windsor        | 10 |
| HU               | AMY       | Richmond Hill H.S.             | Richmond Hill  | 10 |
| HU               | JACKIE    | West Vancouver S.S.            | West Vancouver | 10 |
| HUANG            | AMY       | Victoria Park C.I.             | North York     | 10 |
| HUANG            | XUE       | Thornhill S.S.                 | Thornhill      | 10 |
| JI               | LIYING    | Abbey Park H.S.                | Oakville       | 10 |
| JI               | SHUYANG   | Kuper Academy                  | Kirkland       | 10 |
| JIANG            | RUYA      | The York School                | Toronto        | 10 |
| JOULIN           | ETIENNE   | London Central S.S.            | London         | 10 |
| JU               | JOYCE     | London Central S.S.            | London         | 9  |
| KIM              | RACHEL    | Richmond Hill H.S.             | Richmond Hill  | 10 |
| KOUNTOURIS       | ELIAS     | Marc Garneau C.I.              | North York     | 10 |
| LE VIET          | THANH     | William Academy                | Cobourg        | 10 |
| LI               | VICTORIA  | St. Clement's School           | Toronto        | 10 |
| LI               | YULIN     | White Oaks S.S.                | Oakville       | 10 |
| LIANG            | KIMI      | Port Moody Sr. S.S.            | Port Moody     | 10 |
| LISCOMBE         | DEVEN     | Brebeuf College School         | North York     | 10 |
| LIU              | HEYI      | Kuper Academy                  | Kirkland       | 10 |
| LIU              | SHIWEN    | St. John's-Ravenscourt School  | Winnipeg       | 10 |
| LUCENTE          | GINO      | Brebeuf College School         | North York     | 10 |
| LUO              | BRIANNA   | Vincent Massey S.S.            | Windsor        | 10 |
| LUO              | ELLE      | White Oaks S.S.                | Oakville       | 10 |
| MCLEISH          | DARREN    | Denis Morris School            | St Catharines  | 10 |
| MIKLAUCIC        | COLE      | Upper Canada College (Upper Sc | Toronto        | 10 |
| MO               | LUCY      | Elgin Park S.S.                | Surrey         | 10 |
| NAG              | YUVRAJ    | Bluevale C.I.                  | Waterloo       | 10 |
| OU               | FENGYI    | Branksome Hall                 | Toronto        | 10 |
| OU               | SIMON     | Bayview S.S.                   | Richmond Hill  | 10 |
| PAPNEJA          | ARUL      | University of Toronto Schools  | Toronto        | 9  |
| PARASCHIV        | MAX       | Abbey Park H.S.                | Oakville       | 10 |
| PARK             | JEONGYEOL | Riverside S.S.                 | Port Coquitlam | 10 |
| PARVARI          | RAMTIN    | Sarnia Northern C.I. and V.S.  | Sarnia         | 10 |
| PASINATO         | LIAM      | Bishop Tonnos C.S.S.           | Ancaster       | 10 |
| PATEL            | TANMAY    | Martingrove C.I.               | Etobicoke      | 10 |
| PRYER            | KATIE     | West Vancouver S.S.            | West Vancouver | 10 |
| QIN              | CHRIS     | Iroquois Ridge H.S.            | Oakville       | 10 |
| RATELBAND        | WILLIAM   | St. John's College             | Brantford      | 10 |
| RAWAL            | VIKRAM    | Upper Canada College (Upper Sc | Toronto        | 10 |
| RIVETT           | MAX       | Upper Canada College (Upper Sc | Toronto        | 10 |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants

Group V/Groupe V

Scores/Notes 133 - 132

|            |          |                               |               |    |
|------------|----------|-------------------------------|---------------|----|
| ROORDA     | NATHAN   | Humberside C.I.               | Toronto       | 10 |
| SAEED      | WASAY    | The Woodlands Sec. School     | Mississauga   | 10 |
| SEAN       | NA       | Port Moody Sr. S.S.           | Port Moody    | 10 |
| SHEN       | ALICIA   | Havergal College              | North York    | 10 |
| SHETH      | VEER     | Mentor College                | Mississauga   | 10 |
| SHI        | ANNA     | Toronto French School         | North York    | 10 |
| SIDDIQUI   | SARMAD   | Dr. G.W. Williams S.S         | Aurora        | 10 |
| SIMOPOULOS | PAUL     | Crescent School               | North York    | 9  |
| SON        | TIMOTHY  | Weston C.I.                   | Toronto       | 10 |
| SUDHEENDRA | SURAJ    | University of Toronto Schools | Toronto       | 10 |
| SUN        | JASON    |                               | Toronto       | 8  |
| SUN        | ZHENYUAN | Semiahmoo S.S.                | Surrey        | 10 |
| SUN        | ZICHAO   | Walnut Grove S.S.             | Langley       | 10 |
| TRAN       | JUSTIN   | Moscrop S.S.                  | Burnaby       | 10 |
| TSAI       | JAMIE    | Colonel By S.S.               | Gloucester    | 10 |
| VAILLANT   | DAVID    | College Jean Eudes            | Montreal      | 10 |
| VAISHNAV   | ABHI     | Sir Wilfred Laurier C.I.      | Scarborough   | 10 |
| VARSHNEY   | VEDAANT  | Central Peel S.S.             | Brampton      | 10 |
| WANG       | ALEC     | Central Peel S.S.             | Brampton      | 10 |
| WANG       | GEORGE   | University of Toronto Schools | Toronto       | 9  |
| WANG       | KEVIN    | University Transition Program | Vancouver     | 8  |
| WEI        | MATTHEW  | Pickering H.S.                | Ajax          | 10 |
| WINTERS    | OWEN     | Bernice MacNaughton H.S.      | Moncton       | 10 |
| WOHLGEMUT  | KATRINA  | Lord Dorchester S.S.          | Dorchester    | 10 |
| WONG       | ERNEST   | St. Robert C.H.S.             | Thornhill     | 10 |
| XIAO       | JOSEPH   | Marc Garneau C.I.             | North York    | 10 |
| XIE        | TONY     | Western Canada H.S.           | Calgary       | 10 |
| XIONG      | STEPHEN  | York Mills C.I.               | North York    | 10 |
| YANG       | SAMUEL   | Maranatha Christian Academy   | Windsor       | 8  |
| YE         | FELIX    | Burnaby South S.S.            | Burnaby       | 9  |
| YEUNG      | IVENA    | Whitefield Christian Schools  | Scarborough   | 10 |
| YU         | CHLOE    | Burnaby Mountain S.S.         | Burnaby       | 10 |
| YU         | MINDY    | Richmond S.S.                 | Richmond      | 10 |
| ZHANG      | ADAM     | Dr. G.W. Williams S.S         | Aurora        | 10 |
| ZHANG      | BRIAN    | Lord Byng S.S.                | Vancouver     | 10 |
| ZHANG      | ED       | Iroquois Ridge H.S.           | Oakville      | 10 |
| ZHANG      | HENRY    | Vincent Massey S.S.           | Windsor       | 10 |
| ZHANG      | TIMOTHY  | Hugh Boyd S.S.                | Richmond      | 9  |
| ZHANG      | VINCENT  | Victoria Park C.I.            | North York    | 10 |
| ZHANG      | ZHENYANG | Sir John A. Macdonald C.I.    | Scarborough   | 10 |
| ZHENG      | EVAN     | St. Theresa of Lisieux C.H.S. | Richmond Hill | 10 |

2019  
Cayley Contest/Concours Cayley  
Team Honour Rolls/Palmarès d'équipes  
International

| Rank/Rang | School/École                             | City/Ville          | Score/Note |
|-----------|--|---------------------|------------|
| 1         | Erbakir Fen Lisesi                       | Denizli             | 450        |
| 2         | ICAE                                     | Troy                | 442        |
| 3         | Ozel Cankaya Doga Anadolu Lisesi         | Ankara              | 414        |
| 4         | Pui Ching M.S.                           | Kowloon City        | 412        |
| 5         | QSI Int'l School of Shekou               | Shekou              | 410        |
| 6         | Diocesan Girls' School                   | Kowloon             | 408        |
| 7         | Shanghai American School (West Campus)   | Shanghai            | 404        |
| 7         | Shenzhen (Nanshan) Concord College of Si | Nanshan District    | 404        |
| 9         | Chengdu Foreign Lang. Sch. (SINO-CANADA) | Chengdu             | 397        |
| 10        | Guangdong Country Garden Sch.            | Foshan City         | 395        |
| 10        | Izmir Bahcesehir Science and Technology  | Izmir               | 395        |
| 10        | Tevitol H.S.                             | Gebze               | 395        |
| 13        | Dwight School Seoul                      | Seoul               | 394        |
| 14        | Jurong Country Garden School             | Jurong              | 393        |
| 15        | Lyceum Alpinum Zuoz                      | Zuoz                | 392        |
| 15        | Qingdao MTI Inter. School                | Qingdao             | 392        |
| 15        | Shanghai Singapore I.S.                  | Shanghai            | 392        |
| 18        | Shanghai Nanyang Model Private H.S.      | Shanghai            | 391        |
| 19        | School of International Education        | Beijing             | 390        |
| 20        | International School Kenya ISK           | Nairobi             | 388        |
| 21        | Chiu Lut Sau Memorial S.S.               | Hong Kong           | 387        |
| 21        | Clifford School                          | Guangzhou Guangdong | 387        |
| 23        | Izmir Buyukcigli Ozel Turk Koleji        | Izmir Cigli         | 386        |
| 23        | Izmir Ozel Bilfen Liseleri               | Izmir               | 386        |
| 23        | Uskudar American Academy                 | Istanbul            | 386        |
| 26        | Teda Int'l School                        | Teda Tianjin        | 385        |
| 27        | British International School Hanoi       | Hanoi               | 384        |
| 28        | Corporacion Colegio Los Nogales          | Bogota              | 382        |
| 28        | New English School                       | Hawally             | 382        |
| 28        | Olive Tree Int'l Academy                 | Hangzhou            | 382        |
| 28        | Ozel Ege Lisesi                          | Bornova Izmir       | 382        |
| 28        | Riga State Gymnasium No 1                | Riga                | 382        |
| 28        | Shanghai Shangde Experimental School     | Shanghai            | 382        |
| 34        | Beijing Royal School                     | Beijing             | 380        |
| 34        | Metu DF High School - Ankara             | Ankara              | 380        |
| 34        | No. 2 H.S. att. to East China Normal Uni | Shanghai            | 380        |
| 34        | Tarsus American College                  | Tarsus/Mersin       | 380        |
| 38        | Beijing Haidian Kaiwen Academy           | Beijing             | 378        |
| 38        | Mev Koleji Ozel Guzelbahce Fen Lisesi    | Izmir               | 378        |
| 40        | Discovery College                        | Discovery Bay       | 377        |
| 40        | Ozel Gaziemir Ugur Schools               | Gaziemir            | 377        |
| 40        | Raha International School                | Abu Dhabi           | 377        |
| 43        | Beijing New Talent Academy               | Beijing             | 376        |
| 43        | Kultur Science High School               | Istanbul            | 376        |
| 43        | Munsang College                          | Kowloon City        | 376        |
| 43        | St. Mary's Canossian College             | Tsimshatsui Kowloon | 376        |
| 47        | Daegu International School               | Daegu               | 375        |
| 47        | Dubai American Academy                   | Dubai               | 375        |
| 47        | Ozel Irmak Okullari                      | Istanbul            | 375        |
| 47        | Raffles International Christian School   | Jakarta Selatan     | 375        |



2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants  
International

| Name/Nom                      | School/École | Location/Endroit   | Grade/Niveau |
|-------------------------------|--------------|--------------------|--------------|
| <b>Group I/Groupe I</b>       |              |                    |              |
| <b>Scores/Notes 150 - 145</b> |              |                    |              |
| ATALAY                        | AZRA IREM    | Erbakir Fen Lisesi | Denizli 10   |
| KASHYAP                       | ARJUN        | ICAE               | Troy 10      |
| KOCA                          | MEHMET       | Erbakir Fen Lisesi | Denizli 10   |
| KORKUT                        | AHMET YIGIT  | Erbakir Fen Lisesi | Denizli 10   |
| OZDEMIR                       | CEYDA        | Erbakir Fen Lisesi | Denizli 10   |
| OZDEMIR                       | ZEYNEP       | Erbakir Fen Lisesi | Denizli 10   |
| OZGUR                         | ZEYNEP       | Erbakir Fen Lisesi | Denizli 10   |
| TIAN                          | DANIEL       | ICAE               | Troy 10      |
| YORUK                         | VELI YASIN   | Erbakir Fen Lisesi | Denizli 10   |

|                               |             |                                |                     |
|-------------------------------|-------------|--------------------------------|---------------------|
| <b>Group II/Groupe II</b>     |             |                                |                     |
| <b>Scores/Notes 144 - 137</b> |             |                                |                     |
| ALAVI RAZAVI RAVARI           | ARYAN       | Young Mathematician Associatio | Tehran 10           |
| CANDAR                        | ONUR METE   | Ozel Cankaya Doga Anadolu Lise | Ankara 10           |
| CHAN                          | TSZ HIN     | Pui Ching M.S.                 | Kowloon City 10     |
| CHU                           | TSZ WAI     | Diocesan Girls' School         | Kowloon 10          |
| HE                            | ANNIE       | ICAE                           | Troy 10             |
| HUANG                         | SARAH       | Rong Qiao Sedbergh Upper Senio | Fuzhou 10           |
| KIM                           | JUNSEOK     | Teda Int'l School              | Teda Tianjin 10     |
| KIM                           | KYUNGMIN    | QSI Int'l School of Shekou     | Shekou 10           |
| KIM                           | TAEYOUN     | QSI Int'l School of Shekou     | Shekou 10           |
| KOSHELEV                      | GEORGII     | Lyceum Alpinum Zuoz            | Zuoz 10             |
| KUDAYNETOV                    | ABDURAKHMAN | Ozel Cankaya Doga Anadolu Lise | Ankara 10           |
| LEE                           | EUN WOO     | Qingdao MTI Inter. School      | Qingdao 10          |
| MALIK                         | SARANSH     | UWC South East Asia East Campu | Singapore 10        |
| OGURLU                        | ZANYAR      | Uskudar American Academy       | Istanbul 10         |
| OZDEMIR                       | BERKE CEM   | Ozel Cankaya Doga Anadolu Lise | Ankara 10           |
| RAJESH                        | VARUN       | ICAE                           | Troy 10             |
| SON                           | JIHO        | International School Kenya ISK | Nairobi 10          |
| STOLCERS                      | ILMARS      | Riga State Gymnasium No 1      | Riga 10             |
| TAM                           | HOI YAN     | Diocesan Girls' School         | Kowloon 10          |
| WANG                          | XIN BRUCE   | Shenzhen (Nanshan) Concord Col | Nanshan District 10 |
| WIJAYA TJANDRANATA            | ALBERT      | Wardaya College                | Jakarta Barat 9     |
| XU                            | DANIEL      | ICAE                           | Troy 10             |
| XU                            | YUAN        | Soong Ching Ling               | Shanghai 8          |
| ZHENG                         | DEREK       | Creative S.S.                  | Hong Kong 10        |

|                               |             |                                |                      |
|-------------------------------|-------------|--------------------------------|----------------------|
| <b>Group III/Groupe III</b>   |             |                                |                      |
| <b>Scores/Notes 136 - 132</b> |             |                                |                      |
| BAGUS ANANDA R                | I GEDE GAYU | SMA Negeri 1 Singaraja         | Singaraja 10         |
| BEKTAS                        | EMRE        | Ozel Cankaya Doga Anadolu Lise | Ankara 10            |
| CHEUNG                        | CHEUK HIN   | Pui Ching M.S.                 | Kowloon City 10      |
| CHO                           | JAEMIN      | Daegu International School     | Daegu 10             |
| CHOI                          | YOUNGJU     | Dwight School Seoul            | Seoul 9              |
| CHRISTOPHER                   | WILLIAM     | Santa Laurensia H. S.          | Tangerang Selatan 10 |
| CHUN MING                     | LUI         | Chiu Lut Sau Memorial S.S.     | Hong Kong 10         |
| EMMANUELLE                    | ROMANO      | SMAK 2 BPK Penabur Bandung     | Bandung 10           |
| EROGLU                        | ECE         | Izmir Bahcesehir Science and T | Izmir 10             |
| FAN                           | SHUYA       | Alcanta Int'l College          | Guangzhou 10         |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants  
International

**Group III/Groupe III**

**Scores/Notes 136 - 132**

|                 |            |                                 |                     |    |
|-----------------|------------|---------------------------------|---------------------|----|
| HANAN HURIYAH   | NASYWA     | Wardaya College                 | Jakarta Barat       | 8  |
| HWANG           | DONGMIN    | Shanghai American School (West  | Shanghai            | 10 |
| INCI            | ADA CEYLIN | Izmir Bahcesehir Science and T  | Izmir               | 10 |
| JIN             | RYAN       | Shanghai American School (West  | Shanghai            | 10 |
| KANG            | SANGHO     | Shanghai H.S. Int'l Division    | Shanghai            | 9  |
| KIM             | EUNICE     | Dwight School Seoul             | Seoul               | 10 |
| KUMENDONG       | JOANNA     | Raffles International Christia  | Jakarta Selatan     | 10 |
| LEE             | BYEONGJUN  | Shanghai Singapore I.S.         | Shanghai            | 10 |
| LEE             | JAE HYUN   | Shanghai American School (West  | Shanghai            | 10 |
| LI              | ZHANYU     | Shenzhen (Nanshan) Concord Col  | Nanshan District    | 10 |
| LIU             | JUNYI      | Lyceum Alpinum Zuoz             | Zuoz                | 10 |
| LUN             | HOI CHING  | Diocesan Girls' School          | Kowloon             | 10 |
| MATTHEW TENADI  | NICHOLAS   | Wardaya College                 | Jakarta Barat       | 10 |
| NG              | TSZ CHING  | Diocesan Girls' School          | Kowloon             | 10 |
| NG              | WING NAM   | St. Mary's Canossian College    | Tsimshatsui Kowloon | 10 |
| OGUT            | NIL        | Ozel Cankaya Doga Anadolu Lise  | Ankara              | 10 |
| OKSUZ           | YUSUF ONUR | Private Technical Schools       | Kocaeli             | 10 |
| OLGAC           | SELIN      | Ozel bilfen Iskenderun H.S      | Iskenderum          | 10 |
| ONG             | YU XUAN    | Shanghai Singapore I.S.         | Shanghai            | 10 |
| ORAL            | TAYFUN     | Ozel Irmak Okullari             | Istanbul            | 10 |
| OZCAN           | ARMAN      | Tevitol H.S.                    | Gebze               | 10 |
| PUTRA MAHARDIKA | FAKHRI     | SMAN 1 Padang                   | Padang              | 10 |
| SENYUZ          | ALI TALIP  | Terakki Foundation Schools      | Istanbul            | 10 |
| SHEN            | XUANTING   | Inter'l School Ho Chi Minh Ci   | Ho Chi Minh City    | 10 |
| SHIN            | MIN GYU    | CMIS Canada (Songdo Peninsula   | Incheon             | 10 |
| SIU FAI         | LO         | Clifford School                 | Guangzhou Guangdong | 10 |
| SOHN            | SUNGYUN    | Raha International School       | Abu Dhabi           | 10 |
| SONG            | PENG WEI   | Malvern College Chengdu         | Chengdu             | 10 |
| TAN             | BRYANT     | Wardaya College                 | Jakarta Barat       | 8  |
| TANG            | ORIANA     | Shanghai American School (West  | Shanghai            | 10 |
| TANG            | ZIHANG     | Shunmai huamei Foreign Language | Harbin              | 10 |
| WANG            | MENGKE     | Chengdu Foreign Lang. Sch. (SI  | Chengdu             | 10 |
| WONG            | HOI CHUNG  | Pui Ching M.S.                  | Kowloon City        | 10 |
| YANG            | ZHONGHAO   | Beijing Haidian Kaiwen Academy  | Beijing             | 10 |
| YILDIZ          | EREN       | Izmir Buyukcigli Ozel Turk Kol  | Izmir Cigli         | 10 |
| YIN             | BAICHENG   | School of International Educat  | Beijing             | 10 |
| YINGLU          | BAI        | Jurong Country Garden School    | Jurong              | 10 |
| YOU             | DAVID      | Shanghai Nanyang Model Private  | Shanghai            | 10 |
| YUQI            | HE         | Guangdong Country Garden Sch.   | Foshan City         | 10 |
| ZHAN            | WANG       | Guangdong Country Garden Sch.   | Foshan City         | 10 |
| ZHANG           | JJARUI     | Jurong Country Garden School    | Jurong              | 10 |
| ZHAO            | XINRU      | Beijing Royal School            | Beijing             | 10 |
| ZHOU            | WANXING    | Chengdu Foreign Lang. Sch. (SI  | Chengdu             | 10 |

**Group IV/Groupe IV**

**Scores/Notes 131 - 129**

|                |              |                            |                  |    |
|----------------|--------------|----------------------------|------------------|----|
| ACHMAD CHANDRA | ERNEST REGIA | BOSOWA BINA INSANI BOGOR   | Kota Bogor Jabar | 9  |
| AKKAYA         | SELIN        | Ozel bilfen Iskenderun H.S | Iskenderum       | 10 |
| AN             | HYUNJUN      | Canadian Int'l School      | Tokyo            | 10 |
| AUDIA SABILA   | FARA         | SMA Negeri 10 Bandung      | Bandung          | 12 |
| AULIA          | AISHA TASYA  | Wardaya College            | Jakarta Barat    | 8  |
| BASTAS         | ZEYNEP       | Tevitol H.S.               | Gebze            | 10 |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants  
International

**Group IV/Groupe IV**

**Scores/Notes 131 - 129**

|                     |             |                                |                     |    |
|---------------------|-------------|--------------------------------|---------------------|----|
| BRAVODACOSTADOSSANT | EDSON       | Canadian Int'l School          | Tokyo               | 10 |
| CHAN                | JUSTIN      | UWC South East Asia East Campu | Singapore           | 10 |
| DARMAWAN            | STEPHAN     | SMAK Penabur Gading Serpong    | Tangerang           | 10 |
| DEMIR               | KEREM       | Tevitol H.S.                   | Gebze               | 10 |
| DONG                | HOUCHUAN    | Shenzhen (Nanshan) Concord Col | Nanshan District    | 10 |
| DUYSAK              | DENIZ DURU  | Ozel Gaziemir Ugur Schools     | Gaziemir            | 10 |
| GAO                 | JUN         | Shenzhen (Nanshan) Concord Col | Nanshan District    | 10 |
| GEDELA              | VEDANT      |                                | Mumbai              | 10 |
| GEDIKOGLU           | EKIN        | Tarsus American College        | Tarsus/Mersin       | 10 |
| GRACIELLE           | ANNE        | Wardaya College                | Jakarta Barat       | 8  |
| HA                  | JUNAN       | Shanghai American School (West | Shanghai            | 10 |
| INAMDAR             | KAI         | International School Kenya ISK | Nairobi             | 10 |
| KALAYCI             | BURAK       | Private Technical Schools      | Kocaeli             | 10 |
| KANTAS              | GAMZE       | Metu DF High School - Ankara   | Ankara              | 10 |
| KARPINAR            | SENA DILARA | Kultur Science High School     | Istanbul            | 10 |
| KARTHIK             | ISHWAR      | American School of Doha        | Doha                | 9  |
| KESKIN              | BERRA IPEK  | FMV Isik Okullari Iktisadi Isl | Nisantasi/Istanbul  | 10 |
| KORKMAZ             | BARAN       | Ozel bilfen Iskenderun H.S     | Iskenderun          | 10 |
| KUCUKERDONMEZ       | EFE         | Izmir Bahcesehir Science and T | Izmir               | 10 |
| KUCUKKARAAGAC       | ELIF        | Ozel Cankaya Doga Anadolu Lise | Ankara              | 10 |
| LEE                 | KUANLUNG    | No. 2 H.S. att. to East China  | Shanghai            | 10 |
| NAR                 | BENGUSU     | Bahcesehir H.S. for Sci. and T | Istanbul            | 10 |
| OU                  | JIAJIE      | Guangdong Country Garden Sch.  | Foshan City         | 10 |
| PARK                | PAUL        | Clifford School                | Guangzhou Guangdong | 10 |
| PARK                | SOYEON      | Dubai American Academy         | Dubai               | 10 |
| SADHANI             | PETER       | Santo Aloysius 1 Bandung       | Bandung             | 10 |
| SAHIN               | YAGIZ       | Izmir Ozel Bilfen Liseleri     | Izmir               | 10 |
| SAMEER RANIGA       | SOHAM       | Indian School Al Ghubra        | Muscat Sultanate of | 10 |
| SEGER               | ADITYA I K  | Wardaya College                | Jakarta Barat       | 8  |
| SEO                 | SANGHYUN    | Brent Int'l School South Campu | Laguna              | 10 |
| SIN MING            | SO          | Chiu Lut Sau Memorial S.S.     | Hong Kong           | 10 |
| TSE                 | WING YAN    | Diocesan Girls' School         | Kowloon             | 10 |
| VALENTIN            | FIONA       | SMAK Penabur Gading Serpong    | Tangerang           | 10 |
| WANG                | CHARLOTTE   | Shanghai Nanyang Model Private | Shanghai            | 10 |
| WANG                | YUJIE       | Yiwu Qunxing Foreign Languages | Yiwu                | 10 |
| WONG                | ALLY        | Diocesan Girls' School         | Kowloon             | 10 |
| XIAO                | CHENGYI     | Shenzhen (Nanshan) Concord Col | Nanshan District    | 10 |
| YAN                 | WEI         | Wuhan Maple Leaf Int'l School  | Wuhan Hubei         | 10 |
| YIN                 | JIANAN      | Luwan Senior High School       | Shanghai            | 10 |
| YOON                | ALLIE       | Dwight School Seoul            | Seoul               | 10 |
| YOON                | SEOEYON     | QSI Int'l School of Shekou     | Shekou              | 10 |
| ZHANG               | HAIYANG     | No. 2 H.S. att. to East China  | Shanghai            | 10 |
| ZHANG               | RUIZHI      | School of International Educat | Beijing             | 10 |
| ZHAO                | JIAYUE      | Chengdu Foreign Lang. Sch. (SI | Chengdu             | 10 |
| ZHENG               | JINGHAN     | Olive Tree Int'l Academy       | Hangzhou            | 10 |
| ZHENG               | YIWEN       | British International School H | Hanoi               | 10 |
| ZHOU                | BUBI        | Int'l School of Geneva (S.S.)  | Geneva              | 10 |

**Group V/Groupe V**

**Scores/Notes 128 - 126**

|       |        |                                |                  |    |
|-------|--------|--------------------------------|------------------|----|
| AKAY  | TANALP | Izmir Ozel Bilfen Liseleri     | Izmir            | 10 |
| AKMAN | ASLI   | Private Bilfen Uskudar Science | Uskudar Istanbul | 10 |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants  
International

| Group V/Groupe V |              | Scores/Notes 128 - 126         |                     |    |
|------------------|--------------|--------------------------------|---------------------|----|
| AL WAHEEB        | KHALED       | New English School             | Hawally             | 10 |
| ARSLAN           | CINAR EREN   | Ozel Ege Lisesi                | Bornova Izmir       | 10 |
| BALBAL           | ELIF PINAR   | Izmir Ozel Bilfen Liseleri     | Izmir               | 10 |
| BALLI            | LARA         | Private Bilfen Kayseri H.S.    | Melikgazi/Ildem     | 10 |
| BAN              | JEONGMIN     | Qingdao MTI Inter. School      | Qingdao             | 10 |
| BEGO             | EVARIST      | Tirana International School    | Tirana              | 10 |
| BENEDICT         | ELBERT       | SMA Penabur Gading Serpong     | Tangerang           | 10 |
| BOZKURT          | EYUP YIGIT   | FMV Ozel Ispartakule Isik Lise | Istanbul            | 10 |
| BUFFETT          | LAW          | Clifford School                | Guangzhou Guangdong | 10 |
| CAGLAYAN         | HAKAN        | Izmir Bahcesehir Science and T | Izmir               | 10 |
| CAROLINE MARIANI | CLARA        | SMA Trinitas Bandung           | Bandung             | 10 |
| CELIK            | DEVREM       | TED Izmir Koleji               | Izmir               | 10 |
| CESUR            | ELA          | Enka Schools                   | Istanbul            | 10 |
| CHAMIE           | SANTIAGO     | Corporacion Colegio Los Nogale | Bogota              | 10 |
| CHAN             | KING YIN     | Pui Ching M.S.                 | Kowloon City        | 10 |
| CHAN             | SHUN         | Creative S.S.                  | Hong Kong           | 10 |
| CHAN             | TSZ YIN      | Pui Ching M.S.                 | Kowloon City        | 10 |
| CHAU             | TSZ CHING    | Diocesan Girls' School         | Kowloon             | 10 |
| CHEN             | BRADYZ       | Shanghai Nanyang Model Private | Shanghai            | 10 |
| CHEN             | GELIN        | Shanghai Shangde Experimental  | Shanghai            | 10 |
| CHEN             | YIFEI        | School of International Educat | Beijing             | 10 |
| CHEN             | ZIHAO        | Guangdong Country Garden Sch.  | Foshan City         | 10 |
| CHEUNG           | KWANTING     | Guangdong Country Garden Sch.  | Foshan City         | 10 |
| CHO              | HYUNWOO      | Brent Int'l School South Campu | Laguna              | 10 |
| CHO              | MINSEO       | Branksome Hall Asia            | Seogwipo-si         | 10 |
| CHOW             | YAN YU JAMIE | Diocesan Girls' School         | Kowloon             | 10 |
| COCK             | MARTINA      | Colegio Bolivar                | Cali                | 10 |
| DAI              | YUE QIAN     | The SMIC Private School        | Shanghai            | 10 |
| DANG             | CHEALIN      | Shanghai Singapore I.S.        | Shanghai            | 10 |
| DANGI            | AARYAN       | Segue Global Prep School       | Mumbai              | 10 |
| DEFLIN           | NIXON        | Santo Aloysius 1 Bandung       | Bandung             | 10 |
| DING             | KETONG       | Qingdao Concord College of Sin | JiaoZhou            | 10 |
| DIRIK            | ALKIM        | IZMIR OZEL TURK FEN LISESI     | IZMIR               | 10 |
| DOGAN            | EMIN KURSAT  | Private Technical Schools      | Kocaeli             | 10 |
| DOI              | LUKE         | NIST International School      | Bangkok             | 10 |
| DURAN            | SANTIAGO     | Corporacion Colegio Los Nogale | Bogota              | 10 |
| ECERAL           | OKAN         | Gazi University Foundation Pri | Ankara              | 10 |
| EMEKCI           | MELTEM RUYA  | Mev Koleji Ozel Guzelbahce Fen | Izmir               | 10 |
| ERBAS            | GORKEM       | Acar Kent Doga College         | Beykoz              | 10 |
| ERCAN            | EYLUL        | Mev Koleji Ozel Guzelbahce Fen | Izmir               | 10 |
| FAJARDO          | DANIELA      | Corporacion Colegio Los Nogale | Bogota              | 10 |
| FAN              | SHUXIN       | Alcanta Int'l College          | Guangzhou           | 10 |
| FENG             | NICK         | Shanghai Nanyang Model Private | Shanghai            | 10 |
| FLAM             | NAAMA        | Berlin Metropolitan School     | Berlin              | 10 |
| FORERO           | EMMANUEL     | Colegio Jose Max Leon          | Cundinamarca Cota   | 10 |
| GALUH P N        | ANGGUN       | SMA Negeri 1 Karanggede        | Boyolali            | 10 |
| GE               | JINXUAN      | Shenzhen (Nanshan) Concord Col | Nanshan District    | 10 |
| GUNES            | MEHMET DOGAN | Bilfen Antalya High School     | Antalya             | 10 |
| GUVENEC          | ZEYNEP       | IZMIR OZEL TURK FEN LISESI     | IZMIR               | 10 |
| HAN              | MINKYO       | The SMIC Private School        | Shanghai            | 10 |
| HARADA           | KOHTARO      | Delia School of Canada S.S.    | Taikoo Shing        | 10 |
| HAYFAVI          | KUTAY        | Metu DF High School - Ankara   | Ankara              | 10 |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants  
International

Group V/Groupe V

Scores/Notes 128 - 126

|           |               |                                |                    |    |
|-----------|---------------|--------------------------------|--------------------|----|
| HE        | ANSON CHUNLOK | Munsang College                | Kowloon City       | 10 |
| HONG      | JONGPYO       | Cheongna Dalton School         | Incheon            | 10 |
| HUACHEN   | YAO           | Chengdu Foreign Lang. Sch. (SI | Chengdu            | 10 |
| HWANG     | SOONWON       | Cheongna Dalton School         | Incheon            | 10 |
| JAFRIN    | HANS          | SMAK 1 BPK Penabur Bandung     | Bandung Jawa Barat | 10 |
| JIHAD     | KIROMAN K     | SMA Negeri 8 Bandung           | Bandung            | 10 |
| JINDAL    | RIYA          | UWC South East Asia East Campu | Singapore          | 10 |
| JO        | YOUNGWO       | British International School H | Hanoi              | 10 |
| KARARTI   | SELIM         | FMV Ozel Ispartakule Isik Lise | Istanbul           | 10 |
| KAVAKLI   | MELIS         | Ozel Ege Lisesi                | Bornova Izmir      | 10 |
| KID       | DRACO         | The SMIC Private School        | Shanghai           | 8  |
| KIRAY     | BARTU         | American Collegiate Institute  | Izmir              | 10 |
| KUTUK     | GULUMSER ASLI | Tarsus American College        | Tarsus/Mersin      | 10 |
| KWOK      | HIU LAM       | Diocesan Girls' School         | Kowloon            | 10 |
| KWON      | HAYOON        | Kuwait English School          | Salmiya            | 10 |
| LE        | TUAN LONG     | British International School H | Hanoi              | 10 |
| LEE       | CHEUK LAM     | Diocesan Girls' School         | Kowloon            | 10 |
| LEE       | MINSU         | Kodaikanal International Schoo | Kodaikanal         | 10 |
| LEUNG     | KA YAN MIKO   | Diocesan Girls' School         | Kowloon            | 10 |
| LI        | CHRISTINE     | Shanghai American School (West | Shanghai           | 10 |
| LI        | VIVIAN        | Shanghai American School (West | Shanghai           | 10 |
| LI        | WANGE         | Jurong Country Garden School   | Jurong             | 10 |
| LI        | XUETONG       | Shenzhen international foundat | Shenzhen           | 10 |
| LIANG     | JASMINE       | Beijing New Talent Academy     | Beijing            | 10 |
| LIANG     | YUFENG        | Shenzhen (Nanshan) Concord Col | Nanshan District   | 10 |
| LING      | SHAOFAN       | The High School of Henan Norma | Xinxiang           | 10 |
| LIU       | BOLIN         | Wenqing Foreign Languages Scho | Ganzhou            | 10 |
| LIU       | JOANNA        | Renaissance College HK         | Man On Shan        | 10 |
| LIU       | LIMENG        | Delia School of Canada S.S.    | Taikoo Shing       | 10 |
| LIU       | XINYANG       | Shenzhen (Nanshan) Concord Col | Nanshan District   | 10 |
| LIU       | YUHAO         | Shenzhen (Nanshan) Concord Col | Nanshan District   | 10 |
| LO        | CHLOE         | Diocesan Girls' School         | Kowloon            | 10 |
| LO        | CLARENCE      | Santa Laurensia H. S.          | Tangerang Selatan  | 10 |
| LUBIS     | M ARYA MUQIT  | SMA Negeri 1 Medan             | Medan              | 10 |
| MA        | KE            | Shenzhen (Nanshan) Concord Col | Nanshan District   | 10 |
| MARTIN    | JETHRO        | Wardaya College                | Jakarta Barat      | 8  |
| MAULANA   | IRFAN         | SMAN CMBBS                     | Pandeglang Banten  | 10 |
| MENG      | YUWEI         | Nansha College Preparatory Aca | Guangzhou          | 10 |
| MUHAMAD   | FIKRI         | SMAN 3 BANDUNG                 | Bandung            | 10 |
| PAN       | MARK          | Canadian Int'l School Kunshan  | Kunshan            | 10 |
| PAN       | MINGRUI       | Guangdong Country Garden Sch.  | Foshan City        | 10 |
| PANJAITAN | TIOVANI       | SMAN 4 MEDAN                   | Medan              | 10 |
| PARK      | JUNGWOO       | Qingdao MTI Inter. School      | Qingdao            | 10 |
| PARK      | SEO JIN       | Discovery College              | Discovery Bay      | 10 |
| PENG      | ZI YANG       | Beijing New Talent Academy     | Beijing            | 10 |
| QIAN      | YIFEI         | SZ3Z CP                        | Suzhou             | 10 |
| QIU       | YUXUAN        | Jurong Country Garden School   | Jurong             | 10 |
| RAMA RAO  | KRISHNA       | American Community School      | Abu Dhabi          | 10 |
| ROTH      | CHARLOTTE     | Int'l Sch. Hamburg             | Hamburg            | 10 |
| RYOU      | SIEUN         | Qingdao MTI Inter. School      | Qingdao            | 10 |
| SALEB     | ROBERT        | New English School             | Hawally            | 10 |
| SALWAN    | SAMIRA        | Discovery College              | Discovery Bay      | 10 |

2019  
Cayley Contest/Concours Cayley  
Student Honour Roll/Palmarès d'étudiants  
International

Group V/Groupe V

Scores/Notes 128 - 126

|          |              |                                 |                      |    |
|----------|--------------|---------------------------------|----------------------|----|
| SHALABY  | YARA         | New English School              | Hawally              | 10 |
| SHEN     | KADEN        | Jiaxing Grand Canadian Academy  | Zhejiang Tongxiang   | 10 |
| SI       | WAI LOK      | Pui Ching M.S.                  | Kowloon City         | 10 |
| SONG     | HYUNJI       | Vientiane Int'l                 | Vientiane Capital    | 10 |
| STEVEN   | KINGLOUIS    | Santo Aloysius 1 Bandung        | Bandung              | 10 |
| SUN      | KAIYUN       | Benxi NO.1 Middle School        | Benxi                | 10 |
| TOPAL    | PERIHAN      | Terakki Foundation Schools      | Istanbul             | 10 |
| TUNA     | ALP          | Kultur2000 College              | Buyukcekmece/Istanbu | 10 |
| TURGUT   | UMUT         | Izmir Bahcesehir Science and T  | Izmir                | 10 |
| ULUSOY   | IREM         | Ozel Mersin Gelecek Anadolu Li  | Mersin               | 10 |
| WANG     | DANIEL       | Ann Arbor Fun Math Club         | Ann Arbor            | 10 |
| WANG     | JINGJUN      | Olive Tree Int'l Academy        | Hangzhou             | 10 |
| WANG     | JUNRAN       | Beijing Royal School            | Beijing              | 10 |
| WANG     | RUOLIN       | Int'l School of the Gothenburg  | Gothenburg           | 10 |
| WANG     | YEFENG       | Shanghai Shangde Experimental   | Shanghai             | 10 |
| WATSON   | LIAM         | Somerset College                | Somerset West        | 10 |
| WIBISONO | MUHAMAD AJI  | SMA Negeri 8 Bandung            | Bandung              | 10 |
| WONG     | CHARIS       | Diocesan Girls' School          | Kowloon              | 10 |
| WONG     | EPONINE KATE | Diocesan Girls' School          | Kowloon              | 10 |
| WONG     | HIU YU       | Diocesan Girls' School          | Kowloon              | 10 |
| WOO HYUN | OH           | CPS Group of Schools            | Chennai Tamilnadu    | 10 |
| WU       | JASON        | Shanghai Shangde Experimental   | Shanghai             | 10 |
| XIANG YU | ZHENG        | Shanghai Singapore I.S.         | Shanghai             | 10 |
| YALCIN   | ATA          | Private Bilfen Cayyolu Science  | Ankara               | 10 |
| YAMAN    | YASEMIN      | Izmir Buyukcigli Ozel Turk Kol  | Izmir Cigli          | 10 |
| YAN TAK  | CHAN         | Munsang College                 | Kowloon City         | 10 |
| YANG     | DA           | Guangdong Country Garden Sch.   | Foshan City          | 10 |
| YANG     | DEYI         | Shunmai huamei Foreign Language | Harbin               | 10 |
| YENER    | ELIFSU       | Mev Koleji Ozel Guzelbahce Fen  | Izmir                | 10 |
| YEUNG    | YI           | Diocesan Girls' School          | Kowloon              | 10 |
| YI       | HIU TUNG     | Diocesan Girls' School          | Kowloon              | 10 |
| YI       | ISAAC        | PEN Education                   | Old Tappan           | 10 |
| YIJUN    | SUNG         | Luwan Senior High School        | Shanghai             | 10 |
| YILDIZ   | DENIZ        | Ozel Ege Lisesi                 | Bornova Izmir        | 10 |
| YILMAZ   | ALP          | Izmir Ozel Bilfen Liseleri      | Izmir                | 10 |
| YILMAZ   | BURAK        | TVO Ozel Sisli Terakki Tepeore  | Istanbul             | 10 |
| YU       | XINNING      | Chengdu Foreign Lang. Sch. (SI  | Chengdu              | 10 |
| YU       | ZIZHEN       | Alcanta Int'l College           | Guangzhou            | 10 |
| YUNUS E  | ALI EMRE     | Ozel Bornova Ugur Anadolu Lise  | Izmir                | 10 |
| ZENG     | QILIN        | Shenzhen (Nanshan) Concord Col  | Nanshan District     | 10 |
| ZEWELDU  | ZEAMANUEL    | Int'l Comm. School Addis        | Addis Ababa          | 10 |
| ZHANG    | YIAN         | RDFZ Chaoyang Branch School     | Beijing              | 10 |
| ZHANG    | YILEI        | French Int'l School             | Happy Valley         | 10 |
| ZHAO     | YIZHI        | Jurong Country Garden School    | Jurong               | 10 |
| ZHENG    | BUYI         | Jurong Country Garden School    | Jurong               | 10 |
| ZHU      | ANKH         | Jiaxing Grand Canadian Academy  | Zhejiang Tongxiang   | 10 |
| ZIREK    | ALP          | Acar kent Doga College          | Beykoz               | 10 |
| ZOCCO    | MATTEO       | Int'l School of Geneva (S.S.)   | Geneva               | 10 |