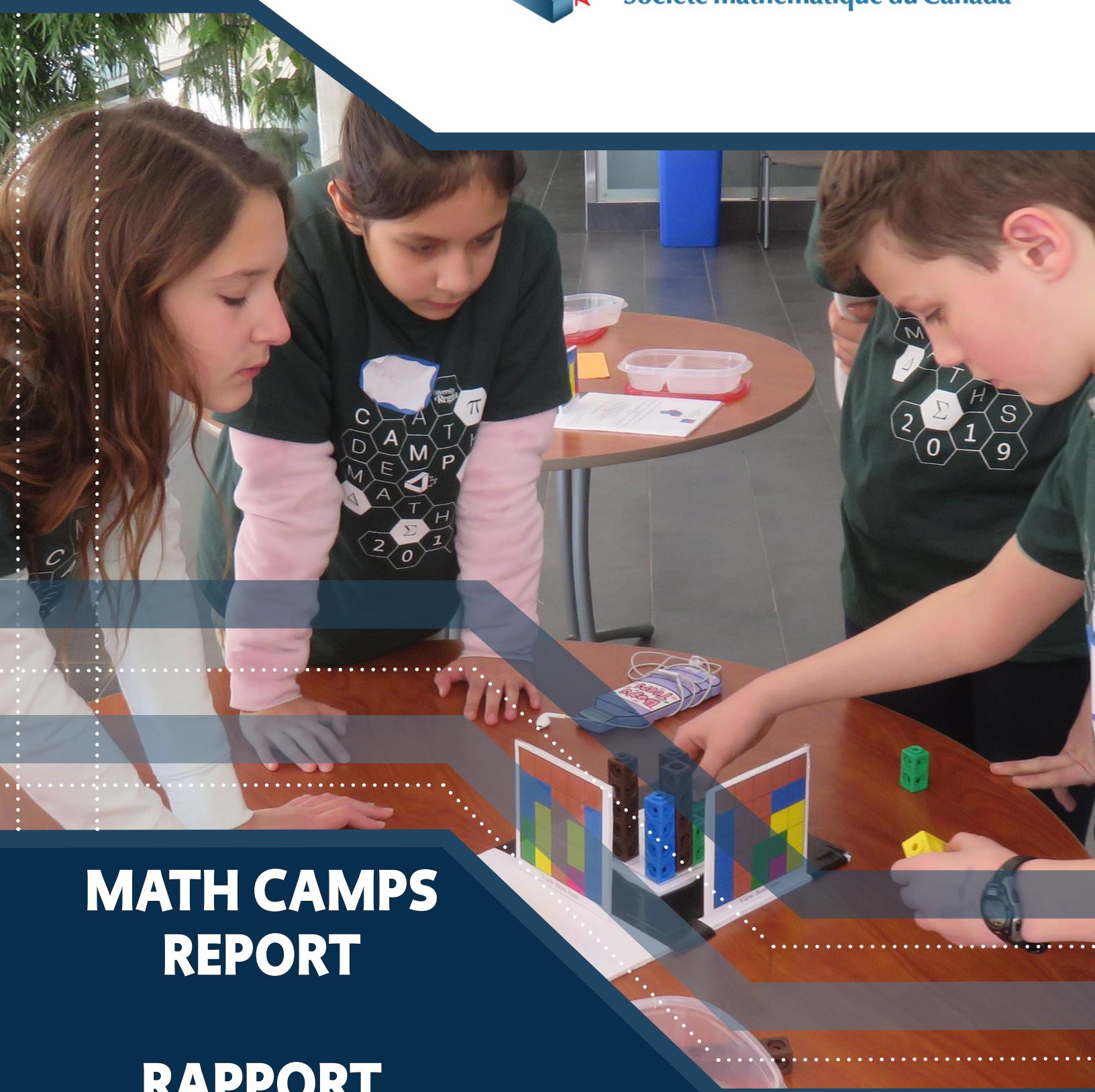




Canadian Mathematical Society
Société mathématique du Canada



MATH CAMPS REPORT

RAPPORT
DES CAMPS
MATHÉMATIQUES

2019

CONTENTS | SOMMAIRE

**ABOUT CMS MATH CAMPS | A PROPOS DES CAMPS
MATHEMATIQUES DE LA SMC**

INFOGRAPHIC | INFOGRAPHIQUES

REGIONAL CAMPS | CAMPS RÉGIONAUX

SPECIALTY CAMPS | CAMPS SPÉCIALISÉS

NATIONAL CAMP | CAMPS NATIONAUX

SPONSORS AND PARTNERS | COMMANDITAIRES ET PARTENAIRES

ABOUT CMS MATH CAMPS

À PROPOS CAMP MATHÉMATIQUES DE LA SMC

Since its inception in 2000, the CMS Math Camps program continues to capture the spirit of mathematics from coast to coast and to inspire young minds across the land. The program offers a unique opportunity for young Canadian students to explore a side of mathematics that is not accessible in a classical classroom setting. Although the CMS gives local organizers the freedom to choose the topics and activities of their camps, the main goal of a typical camp is to engage students in an authentic learning environment in mathematics and its broad applications to Science, Technology and Engineering. This is achieved through stimulating presentations, hands-on activities, building projects and competitions. Students who attend the camps leave with new friends who share the same passion for the subject, new ideas to explore, and a fresh outlook on mathematics and the role it plays in our lives.



Depuis sa création en 2000, le programme de camps mathématiques de la SMC continue de diffuser l'esprit des mathématiques d'un océan à l'autre et d'inspirer les jeunes esprits de tout le pays. Le programme offre une occasion unique aux jeunes canadiens d'explorer un aspect des mathématiques auquel ils n'ont pas accès dans une salle de classe ordinaire. Bien que la SMC laisse les organisateurs locaux choisir les sujets et les activités de leurs camps, l'objectif principal d'un camp typique est de faire participer les élèves à un milieu d'apprentissage authentique en mathématiques et à ses vastes applications en science, en génie et dans les technologies. Cet objectif est atteint grâce à des présentations stimulantes, des activités pratiques, des projets de construction et des concours. Les élèves qui participent aux camps se font de nouveaux amis animés d'une passion commune pour le sujet, ils ont de nouvelles idées à explorer ainsi qu'une nouvelle perspective des mathématiques et de leur rôle dans nos vies.

In 2019, a total of 24 camps were held across Canada with more than 1000 students and volunteers participating. Organizers are encouraged to engage students from visible minority communities and to have as many gender balanced camps as possible. Like in previous years, regional CMS Camps were a combination of weekend camps, day camps and week-long overnight camps. There were some specialty camps, such as, the Math Quest Camp for Girls, in (Kingston), the math camp for Black students at Dalhousie. For the first time in its history, the CMS was also able to hold a specialty camp in the Yukon this year. Math Olympiad training camps were held in Toronto and Waterloo and the EGMO training camp was held at the Fields Institute in Toronto.

En 2019, 24 camps ont été organisés un peu partout au Canada et ont accueilli plus de 1000 participants et bénévoles. Les organisateurs sont encouragés à inciter la participation des élèves de minorités visibles et à offrir le plus possible des camps auxquels participent autant de garçons que de filles. Comme les années précédentes, les camps régionaux de la SMC étaient des camps de fin de semaine, des camps de jour ou des camps d'une semaine. Il y avait des camps spécialisés, comme le camp de mathématiques Math Quest pour les filles à Kingston, le camp pour élèves noirs à Dalhousie. Pour la première fois dans son histoire, la SMC a organisé un camp mathématique au Yukon. Les camps d'entraînement pour les olympiades mathématiques ont été tenus à Toronto et à Waterloo et le camp d'entraînement pour l'OEMF a eu lieu à Fields Institute à Toronto.



744 campers

**20 Regional
Camps**

**3 Specialty
Camps**

**3 National/
Training
Camps**

**42% girls
58% boys**

As a result of participating in camps:

- **88% students** reported an increased interest in **STEM subjects**
- **78% students** reported considering a career in **STEM**

2019 REGIONAL CAMPS

ALBERTA

CMS ALBERTA MATH CAMP

LOCATION: UNIVERSITY OF CALGARY, CALGARY, AB

DATE: JUNE 30 - JULY 6, 2019

PARTICIPANTS: 16 GIRLS AND 15 BOYS

GRADES: 7-10

CAMP LEADER: LAUREN DEDIEU

TOPICS: NUMBER THEORY, PROBABILITY AND DATA SCIENCE, INFINITE SERIES, SYMMETRIES, RSA ENCRYPTION, TOPOLOGY, MATH GAMES/PUZZLES, ALGEBRA/COMBINATORICS, JUPYTER/PYTHON SESSION, WIND PATTERNS OF ALBERTA, POPSICLE BRIDGE COMPETITION, COMPUTATIONS CHALLENGE, INVARIANCE PRINCIPLE



"The thing that [I] enjoyed most about the camp was the people. It's very rare that I find someone who shares my interests and staying with those who interest me the most from around the province was certainly an exciting experience."

- camp participant

BRITISH COLUMBIA

MATHEMATICS DAY CAMP AT CAMOSUN COLLEGE

LOCATION: CAMOSUN COLLEGE, VICTORIA, BC

DATE: JULY 2-5, 2019

PARTICIPANTS: 10 GIRLS AND 8 BOYS

GRADES: 8-11

CAMP LEADER: AMANDA MALLOCH

TOPICS: COMBINATORIAL GAMES, ANCIENT MATHEMATICS, TO INFINITY AND BEYOND (DISCUSSED COUNTABILITY INCLUDING DIFFERENT TYPES OF INFINITIES), SAMPLING SCHOOL (SAMPLING TECHNIQUES TO ESTIMATE POPULATION PARAMETERS), KNOT THEORY (INTRODUCTION TO THE CONCEPT OF A MATHEMATICAL KNOT, WHAT IT MEANS TO BE TRI-COLOURABLE AND HOW TO UNTIE A KNOT)



SFU-CMS-PIMS SUMMER MATH CAMP - BURNABY

LOCATION: SIMON FRASER UNIVERSITY, BURNABY, BC

DATE: JUNE 24 - 28, 2019

PARTICIPANTS: 13 GIRLS AND 21 BOYS

GRADES: 8-10

CAMP LEADER: MALGORZATA DUBIEL

TOPICS: LOGARITHMS, MATH OF JUGGLING, PROBABILITY AND POLYNOMIALS, MATHEMATICS OF BILLIARDS, SQUARING RECTANGLES, ROUTE PROBLEMS



SIMON FRASER
UNIVERSITY



"(...) I really enjoyed how the activities showed and demonstrated how mathematics is involved in nearly everything. The camp taught us how understanding simple geometry is the key to constructing stable structures (...)"

2019 CMS-PIMS-SFU SURREY MATH CAMP

LOCATION: SIMON FRASER UNIVERSITY, SURREY, BC

DATE: JUNE 25-26, 2019

PARTICIPANTS: 29 GIRLS AND 20 BOYS

GRADES: 9 - 10

CAMP LEADER: RANDALL PYKE

TOPICS: CRYPTOGRAPHY, GEOMETRIC MODELS AND CONSTRUCTION OF BRIDGES, MATHEMATICAL MODELLING OF BIOLOGICAL SYSTEMS



SIMON FRASER
UNIVERSITY

SCIENCE ROCKS! PATTERNS, PUZZLES, AND PEDIGREE (ABBOTSFORD)

LOCATION: UNIVERSITY OF THE FRASER VALLEY, ABBOTSFORD, BC

DATE: JULY 2-5, 2019

PARTICIPANTS: 9 GIRLS AND 13 BOYS

GRADES: 4-6

CAMP LEADER: ROBIN ENDELMAN

TOPICS: MOLECULE BUILD, MAKING ABACUSES, EXTRACTING STRAWBERRY DNA, SCAVENGER HUNT (LOGICAL ANALYSIS), MEASUREMENTS IN DIFFERENT UNITS, LOCAL WEAVING PATTERNS, MODULAR ORIGAMI, COMPUTER PROGRAMMING, 3-D PRINTING, MAKING FRACTAL PATTERNS, MAKING SLUSHIES



SCIENCE ROCKS! PATTERNS, PUZZLES, AND PEDIGREE (CHILLIWACK)

LOCATION: UNIVERSITY OF THE FRASER VALLEY CANADA EDUCATION PARK, CHILLIWACK, BC

DATE: AUGUST 6-9, 2019

PARTICIPANTS: 12 GIRLS AND 11 BOYS

GRADES: 4-6

CAMP LEADER: ROBIN ENDELMAN

TOPICS: MOLECULE BUILD, MATH-ART NAIL/WOOD, AGRICULTURE FIELD TRIP, STRAWBERRY DNA EXTRACTION, LOCAL WEAVING DESIGNS, SCAVENGER HUNT AND MYSTERY GAME (LOGICAL ANALYSIS), MODULAR ORIGAMI, STEM BUILDING CHALLENGES, NATURE WALK, MAKING FRACTAL PATTERNS, COMPUTER LAB, MAKING SLUSHIES



MANITOBA

UNIVERSITY OF MANITOBA MATH CAMP

LOCATION: UNIVERSITY OF MANITOBA, WINNIPEG, MB

DATE: JULY 7-10, 2019

PARTICIPANTS: 6 GIRLS AND 17 BOYS

GRADES: 9-10

CAMP LEADER: DON TRIM

TOPICS: ARITHMETIC IN DIFFERENT BASES, SEQUENCES

AND SERIES, LINEAR DIOPHANTINE EQUATIONS



NEW BRUNSWICK NOUVEAU BRUNSWICK

UNB/CMS MATH CAMP

LOCATION: UNIVERSITY OF NEW BRUNSWICK, FREDERICTON, NB

DATE: MAY 2-4, 2019

PARTICIPANTS: 10 GIRLS AND 16 BOYS

GRADES: 10-11

CAMP LEADER: PATRICK REYNOLDS

TOPICS: GROUP ACTIVITIES BASED ON GEOMETRY; MOBIUS STRIPS; POLYHEDRA; TOPOLOGY; GRAPH THEORY; MULTIPLE PROBLEM SETS; CONSTRUCTION OF A MATHEMATICAL PIECE OF ART.



UNIVERSITÉ DE MONCTON, SHIPPAGAN

LIEU: UNIVERSITÉ DE MONCTON, CAMPUS DE SHIPPAGAN, SHIPPANAGAN, NB

DATE: 1 AU 5 JUILLET 2019

PARTICIPANTS: 11 FILLES ET 9 GARÇONS

ANNÉE: 7E-8E

CHEF DU CAMP: PROFESSEUR JULES DE TIBEIRO

SUJETS: UTILISATION DES MATHÉMATIQUES DANS LE DOMAINE DES FINANCES; APPLICATION DES MATHÉMATIQUES DANS LES PROPRIÉTÉS DE LA LUMIÈRES ET DES LASERS; MODÈLES DE MATHÉMATIQUES DANS LA CRÉATION DES SCULPTURES; ATELIER DE GÉOMÉTRIE; CALCULS MATHÉMATIQUES DANS LE DOMAINE DE LA CUISINE.



Avant, j'étais une fille qui aimait pas beaucoup les maths. Grâce au camp, j'ai compris leur utilité, tout en m'amusant!



CAMPS MATHÉMATIQUES DONALD VIOLETTE

LIEU: ÉCOLE MGR-MARTIN, SAINT-QUENTIN, MONCTON, NB

DATE: 2 AU 10 JUILLET 2019

PARTICIPANTS: 19 FILLES ET 26 GARÇONS

ANNÉE: 8E ET 12E

CHEF DU CAMP: PROFESSEUR DONALD VIOLETTE

SUJETS: CONFÉRENCES, ATELIERS DE CONSTRUCTION D'OBJETS MATHÉMATIQUES, COMBATS DE CALCUL MENTAL ET D'ÉNIGMES, JEUX MATHÉMATIQUES, CHASSES AUX TRÉSORS ET RALLYES TRUFFÉS D'ÉNIGMES MATHÉMATIQUES, VISITES GUIDÉES, PISCINE, VISITE D'UNE FERME D'ANIMAUX, VISITE D'UNE FEUILLE D'ÉRABLE GÉANTE, VISITE D'UNE BIBLIOTHÈQUE PUBLIQUE.



NEWFOUNDLAND AND LABRADOR

BLUNDON SEMINAR CAMP @ MEMORIAL UNIVERSITY

LOCATION: MEMORIAL UNIVERSITY, ST. JOHN'S, NL

DATE: MAY 15-17, 2019

PARTICIPANTS: 9 GIRLS AND 28 BOYS

GRADES: 10-12

CAMP LEADERS: TOM BAIRD AND MARGO KONDRATIEVA

TOPICS: MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE;
PROBLEM-SOLVING SESSIONS; MATHLETICS; BLACK HOLES



"Thank you very
much for all your
hard work and
the truly amaz-
ing experience!"
- Camp participant

Nova Scotia



AARMS-CMS-DALHOUSIE MATH CAMP

LOCATION: DALHOUSIE UNIVERSITY, HALIFAX, NS

DATE: JULY 14-19, 2019

PARTICIPANTS: 10 GIRLS AND 10 BOYS

GRADES: 10-11

CAMP LEADER: ROMAN SMIRNOV

TOPICS: LARGE NUMBERS; SYMMETRY, MATH AND CRYSTALS; GROUP THEORY;
PROBABILITY; IRRATIONAL NUMBERS; INFINITE CARDINALITIES; GAME OF SET



STFX-CMS MATH CAMP

LOCATION: ST-FRANCIS XAVIER UNIVERSITY, ANTIGONISH, NS

DATE: MAY 17-19, 2019

PARTICIPANTS: 22 GIRLS AND 17 BOYS

GRADES: 10-11

CAMP LEADER: JOE APALOO

TOPICS: FRACTALS, NUMBERS AND SHAPES, STATISTIQUES, POLYHEDRA AND EULER'S, TEAM PROBLEM SOLVING, COMPUTER SCIENCE, MATH RELAYS INFINITE POLYNOMIALS, SPECIAL FUNCTIONS, ABORIGINAL KNOWLEDGE AND MATHEMATICS, MATH TRIVIA



ONTARIO

CMS MATH CAMP @ WESTERN

LOCATION: WESTERN UNIVERSITY, LONDON, ON

DATE: JULY 23-25, 2019

PARTICIPANTS: 13 GIRLS AND 17 BOYS

GRADE: 9

CAMP LEADER: GORD SINNAMON

TOPICS: PROBLEM-SOLVING, COMPETITIONS, ALGEBRA FRACTALS, PUZZLES, MODULAR ARITHMETIC, CYCLIC QUADRILATERALS, REFLECTION GROUPS



"I liked the fact that I got to learn new strategies for problem solving, meet peers who had passion for math like myself, and learn new ways of looking at mathematics and the world."

- Camp participant

MATH EXPERIENCE AT YORK UNIVERSITY

LOCATION: YORK UNIVERSITY, TORONTO, ON

DATE: JULY 8-12, 2019

PARTICIPANTS: 13 GIRLS AND 24 BOYS

GRADES: 8-9

CAMP LEADER: CHRIS WU

TOPICS: BRAIN TEASERS, ENRICHMENT PROBLEMS, DIOPHANTINE EQUATIONS, GENERATING FUNCTIONS, MATHEMATICAL FALLACIES, GRAPH THEORY, PROOF BY INDUCTION, INEQUALITIES, MATH AND PUZZLES, EXPERIMENTAL MATH VIBRATION, COMPETITIONS



UNIVERSITÉ D'OTTAWA | UNIVERSITY OF OTTAWA

Lieu | Location: UNIVERSITY OF OTTAWA | UNIVERSITÉ D'OTTAWA, OTTAWA, ON

DATE: JUNE 23-28, 2019 | DU 23 AU 28 JUIN 2019

Participants | Participant.e.s: 14 GIRLS AND 30 BOYS | 14 FILLES ET 30 GARÇONS

Année | Grade: 10 | 3E

Chefs du camp | Camp Leaders: JOSEPH KHOURY AND/ET GRAHAM WRIGHT

Sujets | Topics: MATH COMPETITIONS, MATH LEAGUES, PROJECTS, ESCAPE ROOM, CHEMISTRY MAGIC SHOW, A PHYSICS SHOW.



PRINCE EDWARD ISLAND

CMS-UPEI-AARMS MATH CAMP 2019

LOCATION: UNIVERSITY OF PRINCE EDWARD ISLAND, CHARLOTTETOWN, PE

DATE: MAY 3-5, 2019

PARTICIPANTS: 21 GIRLS AND 10 BOYS

GRADES: 10-11

CAMP LEADER: SHAFIQUL ISLAM

TOPICS: ACTUARIAL MATH; MATH RELAYS; TEAM PROBLEM SOLVING; MATH TRIVIA;
COUNTERINTUITIVE MATHEMATICS; COUNTING THE ELEMENTS IN AN INFINITE SET



UNIVERSITY
of Prince Edward
ISLAND



QUÉBEC

CAMP MATHÉMATIQUE COLLÉGIAL

"Merci pour une expérience
merveilleuse au début d'été"



Université du Québec
à Trois-Rivières

Lieu: UNIVERSITÉ DU QUÉBEC À TROIS-RIVIÈRES, TROIS-RIVIÈRES, QC

DATE: DU 2 AU 8 JUIN 2019

PARTICIPANT.E.S: 7 FILLES ET 19 GARÇONS

ANNÉE: GÉGEP I ET II

CHEF DU CAMP: ALAIN GOUPIL

SUJETS: LA MÉCANIQUE QUANTIQUE DANS LES CRISTAUX; MATHÉMATIQUES ET ROBOTIQUE; LA PHYSIQUE À TRAVERS LE PRINCIPE VARIATIONNEL; LA THÉORIE DES NOEUDS EN SCIENCES; PROGRAMMATION FONCTIONNELLE; INTELLIGENCE ARTIFICIELLE ET SON IMPACT SUR LA SOCIÉTÉ

CAMP AMQ CAMP DU SECONDAIRE

Lieu: ÉCOLE POLYTECHNIQUE DE MONTRÉAL, MONTRÉAL, QC

DATE: DU 24 AU 29 JUIN 2019

PARTICIPANT.E.S: 2 FILLES ET 19 GARÇONS

ANNÉE: SECONDAIRE 4 ET 5

CHEF DU CAMP: MARC LAFOREST

SUJETS: RÉSOLUTION DE PROBLÈMES INDIVIDUELLE ET EN GROUPE; GRAPHES; NOMBRES RÉELS; THÉORIE DE LA MESURE; HISTOIRES DES MATHÉMATIQUES; GÉOMÉTRIE PROJECTIVE; ORIGAMI; JEUX DE SOCIÉTÉ



SASKATCHEWAN

UNIVERSITY OF REGINA MATH CAMP

"My 7/8s really enjoyed the insurance problem and having the freedom to bring in their own ideas"
-Parent of a camp participant

LOCATION: UNIVERSITY OF REGINA, REGINA, SK

DATE: MARCH 2, 2019

PARTICIPANTS: 26 GIRLS AND 68 BOYS

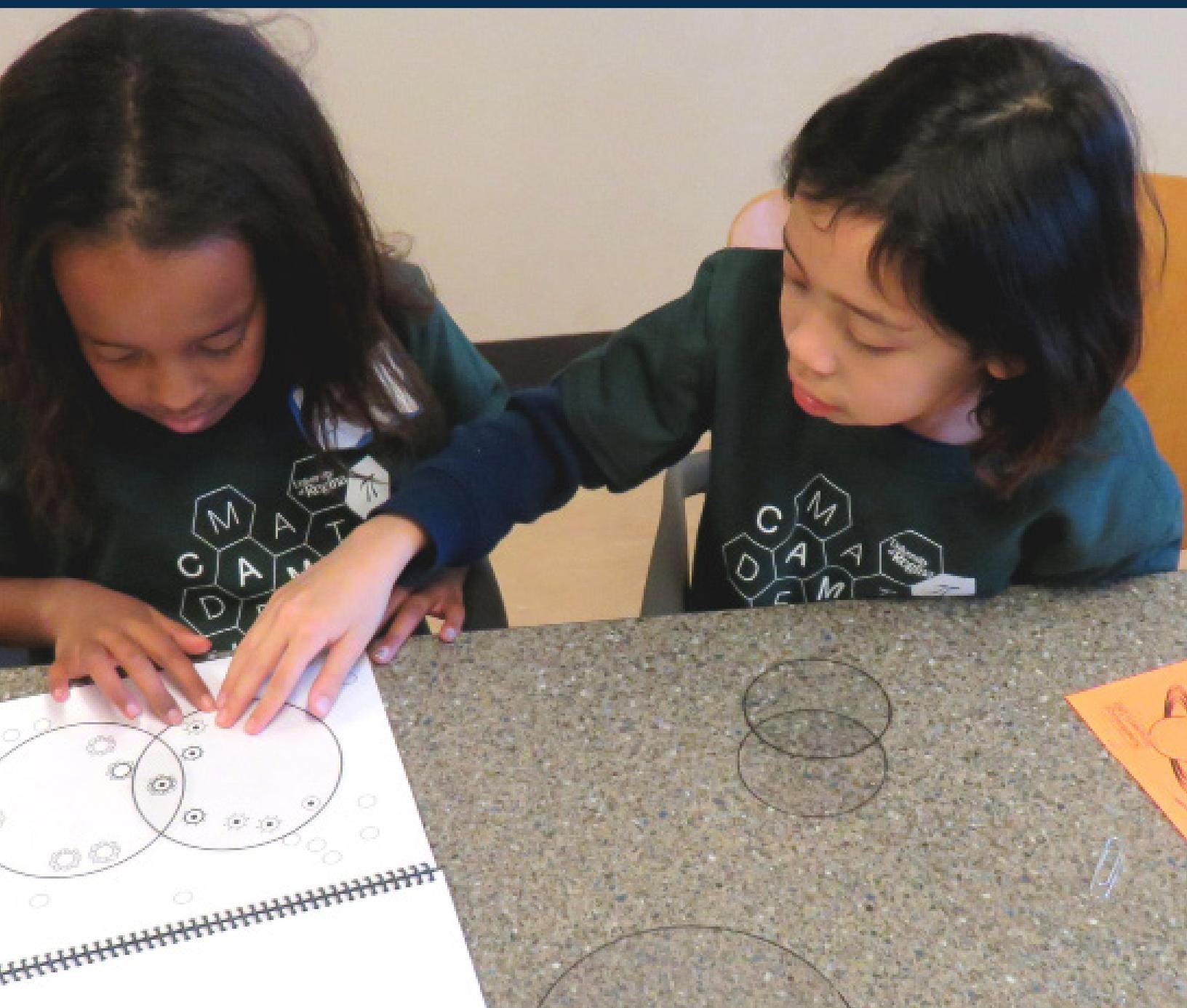
GRADES: 1-10

CAMP LEADER: PATRICK MAIDORN

TOPICS: GEOMETRIC CONSTRUCTIONS AND SPIROLATERALS; MATHEMATICAL TREASURE HUNT; PUZZLES; NETWORK THEORY; DICE PROBABILITY; INSURANCE MODELS; HYPERBOLIC GEOMETRIES AND BINARY COMPUTING



University
of
Regina



2019 SPECIALTY CAMPS

MATH CAMP FOR BLACK STUDENTS

LOCATION: DALHOUSIE UNIVERSITY, HALIFAX, NS

DATE: JULY 8-13, 2019

PARTICIPANTS: 14 GIRLS AND 13 BOYS

GRADES: 6-8

CAMP LEADER: RAJENDRA P. GUPTA

TOPICS: ACTIVITIES INCLUDE PLAYING THE GAMES 10 AND NIM, WHERE STUDENTS DISCUSS STRATEGIES ON WINNING AND LOOK AT THE MATHEMATICS BEHIND SIMPLE GAMES THAT THEY PLAY; FIBONACCI SEQUENCE VIA A HAND ON ACTIVITY USING THE MATING RITUALS OF ENCLOSED RABBITS. THIS ALLOWS THEM TO THINK ABOUT WHEN THEY USE MATHEMATICS IN THEIR EVERYDAY LIFE AND HOW USE OF MATHEMATICS IS IMPORTANT WHEN THINKING LOGICALLY AND SOLVING PROBLEMS. PRESENTATIONS ON ACTUARIAL SCIENCES. STUDENTS ALSO VISITED THE CITADEL HILL MUSEUM AND BLACK CULTURAL CENTRE.



MATH QUEST: QUEEN'S MATH CAMP FOR GIRLS

LOCATION: QUEEN'S UNIVERSITY, KINGSTON, ON

DATE: AUGUST 19-22, 2019

PARTICIPANTS: 21 GIRLS

GRADES: 8-11

CAMP LEADER: SIOBHAIN BROEKHoven

TOPICS: PHYSICS EXPERIMENTS APPLYING MATHEMATICAL FORMULAS; MAGNETISM, FLUX, EMF, LENZ LAW; CENTRE OF MASS WITH EGG SPINNING; VOLUME AND ARCHIMEDES' PRINCIPLE; CALCULATING HTE PERIOD OF A PENDULUM USING ACCELERATION DUE TO GRAVITY; DENSITY AND EXPERIMENTAL MEASUREMENT ERROR; PYTHON PROGRAMMING; ROBOTICS; GAME THEORY; TOPOLOGY; KNOT THEORY; COMBINATORICS; TRIGONOMETRY; ALGEBRA; MATHEMATICS OF SOUND WAVES AND MUSICAL SCALES



"I would just like to thank the Math Quest team for making this camp an unforgettable experience. It was very welcoming, I learned a lot and made several friends."

-Camp participant

YUKON COLLEGE KIDS PROGRAM MATH CAMP

LOCATION: YUKON COLLEGE, AYAMDIGUT CAMPUS, WHITEHORSE, YK

DATE: AUGUST 5-9, 2019

PARTICIPANTS: 6 GIRLS AND 6 BOYS

GRADES: 5-8

CAMP LEADER: DANA MILLS

TOPICS: BRIDGE BUILDING COMPETITION, EGG DROP COMPETITION, MATH CHALLENGES, MONEY MANAGEMENT, FORT BUILDING AND DESIGN, BOARD GAMES, PAPER AIRPLANE DESIGN AND FLIGHT CONTEST



"I didn't think I was going to enjoy math camp but this was really fun"
- Camp participant



EUROPEAN GIRLS' MATHEMATICAL OLYMPIAD (EGMO) TRAINING CAMP

LOCATION: FIELDS INSTITUTE, TORONTO, ON

DATE: FEBRUARY 22-24, 2019

PARTICIPANTS: 4 GIRLS

GRADES: 11-12

CAMP LEADER: DOROTHEA PRONK

TOPICS: OLYMPIAD TRAINING IN PREPARATION FOR THE EUROPEAN GIRLS' MATHEMATICAL OLYMPIAD IN KIEV, UKRAINE.



2019 NATIONAL CAMP

CANADA MATH CAMP

LOCATION: UNIVERSITY OF TORONTO, TORONTO, ON

DATE: JULY 27 - AUGUST 3, 2019

PARTICIPANTS: 7 GIRLS AND 19 BOYS

GRADES: 8-10

CAMP LEADER: SUPREET RADNHAWA

TOPICS: THE CAMP IS FOCUSED ON PREPARING STUDENTS FOR THE CANADIAN MATHEMATICAL OLYMPIAD (CMO) AND THE INTERNATIONAL MATHEMATICAL OLYMPIAD (IMO), SO MOST OF THE LEARNING TIME WAS DEDICATED TO HIGHER LEVEL CONCEPTS IN MATHEMATICS RELEVANT TO THE CONTESTS.





CANADA MATH CAMP

LOCATION: YORK UNIVERSITY, TORONTO, ON

DATE: JAN 7 - 12, 2019

PARTICIPANTS: 5 GIRLS AND 8 BOYS

GRADES: 10-12

CAMP LEADERS: DR. DORETTE PRONK, JAMES RICKARDS, MATT BRENNAN, DAVID ARTHUR

TOPICS: THE CAMP IS FOCUSED ON TRAINING EGMO AND IMO HOPEFULS SO MOST OF THE LEARNING TIME WAS DEDICATED TO HIGHER LEVEL CONCEPTS IN MATHEMATICS RELEVANT TO THE CONTESTS.



IMO TRAINING CAMP

LOCATIONS: UNIVERSITY OF WATERLOO, WATERLOO, ON

DATE: JUNE 30 - JULY 13, 2019

PARTICIPANTS: 1 GIRL AND 11 BOYS

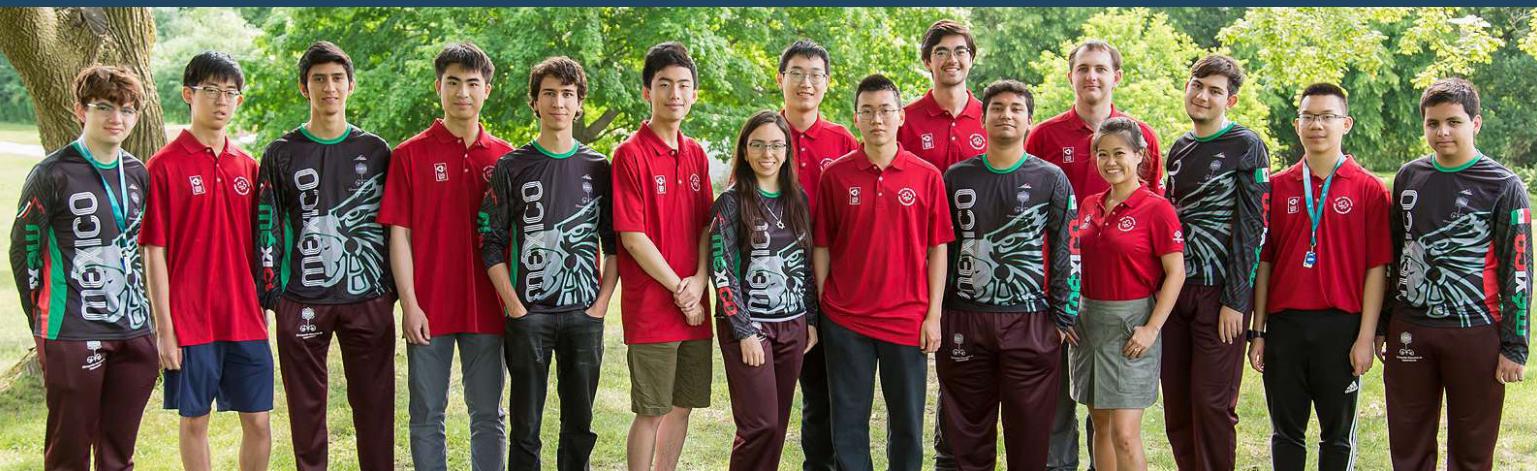
GRADES: 10-12

CAMP LEADERS: JAMES RICKARDS, MATT BRENNAN

TOPICS: THE CAMP IS FOCUSED ON TRAINING STUDENTS FOR THE INTERNATIONAL MATHEMATICAL OLYMPIAD (IMO) SHORTLY BEFORE THEIR DEPARTURE, SO MOST OF THE LEARNING TIME WAS DEDICATED TO HIGHER LEVEL CONCEPTS IN MATHEMATICS.



UNIVERSITY OF WATERLOO FACULTY OF MATHEMATICS



CAMP SPONSORS

COMMANDITAIRES DES CAMPS

The CMS gratefully acknowledges the support of our sponsors, who help make the CMS Math Camps program possible.

