

Northview Heights S. S.



Principal: Alison MacLachlan

Superintendent: Elizabeth Addo

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Semester 1, Term 2 2019/2020



Principal's Message

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Dear Parents/Guardians,

Since the beginning of the new year, Northview has been buzzing with educational events and exciting initiatives. Teaching and support staff continue to challenge our students to do their best. Students are encouraged to continue on their path to self-discovery while deciding on how they are going to leave their mark on the world.

December was a month full of awareness and holiday cheer. Students participated in the White Ribbon Yoga Dedication Event to commemorate the National Day of Remembrance and Action on Violence Against Women. Arts Everywhere, Gallery 145, the Arts Big Show, and the Holiday Assembly highlighted our talented young artists while our 12 Days of Giving Initiative provided an opportunity for students to participate in and contribute to a number of organizations around the city.

With semester one behind us, semester two is already in full swing. Courses have been selected by students of all grades. Graduates are in the process of deciding upon which graduation photo proofs to order as well as which suit or dress will have them looking their best at prom. Our Student Activity Council (SAC) held a lovely Valentine's Spirit Day full of hearts, flowers, and goodies along with a meaningful kick off assembly for their #NorthviewCares initiative.

In addition to all the wonderful events and initiatives, Northview is proud to be the first school in the TDSB to be piloting TDSB's Connect Mobile App along with piloting the new TDSB Excursion Management Application which will include features for parents/guardians such as approving excursions and updating student information online.

We are very excited to see what else this new year brings. Stay warm, everyone!

Sincerely,
Alison MacLachlan
Principal





Student Services

Student Services has completed a busy and productive first semester. During semester one, the Guidance Department organized the annual College and University dialogue assemblies and the Preparing for the Future assembly. Parents were invited to the OCAS and OUAC information evenings and the 2020 Course Selection information evening. Parents are invited to attend the OSAP information evening on Wednesday, March 6, in the library from 6-8pm.

February is course selection month. Northview students complete their course selection online through myBlueprint. This leading edge technology will save our school paper, resources and also provide the opportunity for immediate parent engagement and to support your child's career pathway. As a parent/guardian, you can visit www.myblueprint.ca/tdsb. By selecting Northview Heights Secondary School from the drop-down menu on the left and following the instructions for parents you can view your child's myBlueprint account.

A series of sessions were planned to help students through the course selection process and to make appropriate choices for the coming year:

Thursday, February 6, 2020 - Course Selection Assemblies for all grades

Thursday, February 6, 2020 - Course Selection Fair Period 5, for grade 9 classes

Friday, February 7, 2020 - Course Selection Fairs for grades 10 and 11 classes

Monday, February 10, 2020 - myBlueprint enabled for course selection



Wednesday, February 19, 2020 - Course Selection Deadline



Note: Computer Labs were available to assist students with the online course selection process during the lunch hour from February 10-18.

Our graduating students continue to prepare for post-secondary education. They should continue to check their application information on the OUAC and OCAS websites. Students are encouraged to see their guidance counsellor if they have any questions.



Guidance Counsellors:

- A-C** Ms. Tanrikulu
- D-J** Ms. Dobbin (Visa Students A-O)
- K-O** Ms. Giannoutsos
- P-R** Ms. Allison (APGA/Special Education Students)
- S-Z** Ms. Pavlic-Trias (Visa Students P-Z)



The Guidance Department wishes everyone a successful Semester 2!



Honours Mathematics, Science, Technology (HMST)

In October, our new grade 9 cohort had the opportunity to meet HMST students in grades 10 to 12 at the second annual Halloween Cookie Decorating Social. Students brought out their artistic side, using the icing to make intricate cartoons, skulls and even parabolas!



In November, some grade 9 students attended the University of Toronto Pharmaceutical Sciences Day. They performed hands-on experiments on chromatography, DNA extraction, bath bombs and UV light absorption. Students also had a tour of the science and engineering buildings on campus.



Several grade 9 students attended the University of Toronto Math in Motion, Girls in Gear Conference on a Saturday in November, learning about careers in math and science. They worked with grade 9 students from schools across the GTA, and participated in team challenges, including the classic egg drop challenge.

A group of HMST students have been attending the weekly Math Circles at the Fields Institute at York University, building analytical skills above and beyond their grade level curriculum. Led by Dr. Varvara Nika, students work in teams to investigate contest level math questions, trying out different solutions to math problems.



Honours Mathematics, Science, Technology (HMST)

Grade 10 HMST students visited the Ontario Science Centre with their science teachers, Mr. Baksi, Ms. Baksi and Ms. Hutchison. They enjoyed the Volcanoes IMAX movie, learning about how volcanoes shape ecosystems in different parts of the world. They also explored the new MindWorks exhibit on psychology, and participated in a workshop on optics and waves.



In November, Ms. Khan and a group of grade 11 HMST students attended the Medicine by Design Conference at the University of Toronto, where they learned about current research in stem cells and regenerative medicine.

In December, our grade 9's participated in the Hour of Code, organized by Ms. Navabi. Grade 11 and 12 students led workshops, helping to introduce coding to other students, in addition to sharing their insights on the many computer science courses and lunch time computer clubs offered at Northview.

In December, we also welcomed approximately 350 grade 8 students who applied to the HMST program for September 2020. We'd like to extend a special thank you to the many grade 9 students who volunteered at the HMST Entrance Exam, along with the numerous staff who assisted in setting up and supervising the exam. Your help was much appreciated!

UPCOMING EVENTS

- **Math and Science Competitions:** HMST students will be participating in the following competitions in February:
 - University of British Columbia Michael Smith Contest in science, for Grades 9 and 10 students.
 - Waterloo Mathematics Contests for grade 9 students (Pascal Contest), grade 10 students (Cayley Contest) and grade 11 students (Fermat Contest).
 - Waterloo's Canadian Computing Competition for grades 9 - 12 students.
- **Grade 8 Applicants:** In February, grade 8 applicants will receive offers of admission for the September 2020 Grade 9 HMST cohort. We look forward to welcoming you to our school community!

For more information about the HMST:

Visit <http://www.northviewhmst.com/>

Follow us on Twitter! @NorthviewHMST 





Science Department

SNC4M

Students enrolled in our SNC4M class visited the Center for Addiction and Mental Health on Queen St. as part of their Science and Public Health Issues unit. Students learned what mental illness was called and how it was treated in the past, compared to modern times. Students also saw the facility where people convicted of crimes and were deemed mentally ill, stayed at the CAMH site for treatment.



GRADE 9 SCIENCE

Our Grade 9 Science students demonstrated their knowledge of all four units by building human habitats that light up. These habitats were to be built on planets in the universe with ecosystems to sustain the occupants as well as power generators. Materials used must have to be suitable for the conditions of their chosen planet.



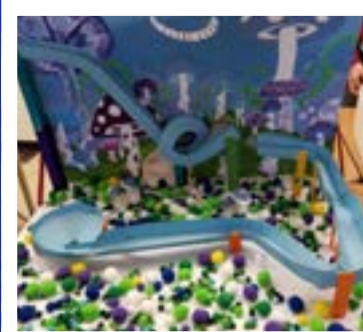
GRADE 12 CHEMISTRY

Students enrolled in SCH4U burned chips, pretzels, and candy to see how much energy is stored in these snacks. To measure the amount of heat released, students constructed calorimeters from household materials and used them to absorb the heat from the burning food. The amount of heat released was then calculated, and converted to calories to see how many calories each snack contained.



GRADE 11 PHYSICS

Students in SPH3U were busy with their culminating project. Students built roller coasters and analyzed the coasters physics principles with energy transformation.

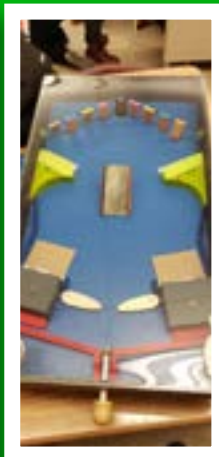




Science Department

GRADE 12 PHYSICS

Students in SPH4U had the option of building an arcade game or a Rube Goldberg machine and researching a topic in physics outside of the regular classroom activities. Students ended the course on a note that left them questioning the excitement and oddities of quantum theory.



GRADE 12 BIOLOGY TESTIMONIALS OF THE GARDINER GALA DINNER AWARDS

It's been a busy year thus far and science is continuing its commitment to providing a rich experience in both a classroom setting and outside the school. So far, several classes/students have participated in field trips, have joined science related clubs and are working on tasks from a global perspective. Recently the Science Department sent two students to attend a science gala sponsored by the Royal Ontario Museum. Below is a snippet of the students' experiences:

"Being a part of the Gardiner Award Gala Dinner was a very memorable and exciting time. I was able to talk to peers around my age about our passions in the biomedical field, as well as academic fields such as music and math. Not only was it a fancy event, it was also a place where like minded people discussed their discoveries and advancements in the medical field. Talking to the past and

current Laureates was inspiring as they all dwelled on the importance of high school students' ability to learn and be curious about the world around them. Throughout the event, I was able to see what being a scientist is like and although it seems like a gruelling task at times, the way it was presented at this event made me hopeful for the next generation's success at becoming avid researchers, scientists and physicians.

From a young age I've always adored understanding the world around me at a fundamental level, whether it was taking things apart at home or helping my dad out with working on the car. I think this is why I have such love for the scientific field today. In particular, I am fascinated by the intricacies of the human body and by extension, the technology and research that have brought us to the cutting edge of medicine. So naturally, when presented with the

opportunity to attend an event, in which its entirety revolved around the one thing I hold so dear, I couldn't possibly pass it up. The Gairdner Gala was an exuberant night filled with prestige and recognition. Merely being in the presence of doctors and researchers of that calibre was a true honour. Being able to speak with them and go over their feats was both enlightening and motivating. In addition to the established scientists, the high school and university students there were a delight to converse with. Among the students who attended the Gairdner Gala, we came to the consensus that this kind of exposure was uplifting from the point of view of many aspiring scientists. Personally speaking, the Gala has opened my eyes to the advancements occurring in the field as well as the ample opportunity that it presents."

UPCOMING CONTESTS

Wednesday, Feb 26	-	Michael Smith Challenge (Grade 9 and 10 Science)
Thursday, April 30	-	UofT National Biology Competition (Grade 11 and 12 Biology)
Thursday, May 7	-	Sir Isaac Newton Physics Contest (Grade 12 Physics)
Thursday, May 14	-	University of Waterloo Chem 13 News Contest (Grade 12 Chemistry)
Wednesday, May 20	-	Ontario Association of Physics' Teachers Contest (Grade 11 & 12 Physics)
Thursday, May 21	-	University of Waterloo Avogadro Contest (Grade 11 Chemistry)





NUMERACY

AFTER SCHOOL MATH COURSE

Get semester 2 started right! Are you in Gr. 9 or Gr. 10 Math and need extra support? There is an after school Math Course to help build your skills, revisit concepts, and help with your success in your current math course. If you are interested in this course, please speak to your current Math teacher as soon as possible. You will need to register and commit to attend one session per week until the end of the semester.

HAVE YOU HEARD OF

KEN KEN ?
Puzzles That Make You Smarter

Some simple rules:

- For a 7x7 puzzle, fill in with the numbers 1 to 7.
- Do not repeat a number in any row or column.
- The numbers in each heavily outlined set of squares, called cages, must combine (in any order) to produce the target number in the top corner of the cage using the mathematical operation indicated.
- Cages with just one box should be filled in with the target number in the top corner.
- A number can be repeated within a cage as long as it is not in the same row or column.

5 ×		24 ×	8 +	1 -	3 /	
1 -					3 -	35 ×
12 ×			5 -			
5 -	8 +		2 -	9 +	24 ×	
	3 /	11 +			3 /	
3 /			3 -		12 +	5 +
	56 ×					

KEN KEN IS NOT YOUR THING? TRY A NONOGRAM

The rules are simple.

You have a grid of squares, which must be either filled in black or marked with X. Beside each row of the grid are listed the lengths of the runs of black squares on that row. Above each column are listed the lengths of the runs of black squares in that column. Your aim is to find all black squares.

For Example:

		1				
	1	1	3	3	4	
3						
3						
4						
2						
1						

Try:

	1	2		1				1			
	1	1	6	2				1	1	2	
	2	2	1	1	3	4	5	4	4	5	
1	3										
2	1										
3	2										
2	3										
1	1	4									
6	1										
1	1	5									
	3										
2	2										
4	2										

Any staff members or students to submit the correct solution to the Ken Ken puzzle or Nonogram to Ms. Hosein, will have their name entered in a draw for a \$10 gift card to Tim Hortons.

Deadline to submit is Friday, February 28th.

Please make sure to write your full name on your solution to be eligible for the prize.





ENGLISH AS A SECOND LANGUAGE

The ESL Department hosted the ESL Student and Parent/Guardian Assembly on September 19, 2019. The assembly featured speakers from various Northview Heights SS departments such as Co-op, Phys. Ed., Guidance and some of our community partners. Please visit the ESL Department's web-page at www.northviewheights.ca to see the complete presentation.



Two of Northview's ESL students participated in the TDSB Speech Competition at Central Toronto Academy. Zion D. won first place in the ESLE category and Yen Yu C. placed in the top 6 in the ESLC/D category. Both of them won a gift certificate and a medal.



The ESL department had three amazing field trips to Black Creek Pioneer Village, Forest Valley Outdoor Education Centre and the Raptors 905 game. The students were able to step back to the time of Canada's Confederation in the 1860s at Black Creek Pioneer Village. At Forest Valley, the students were able to experience the outdoors by creating their own shelters, learning about ecological footprint and learning about different plants and animals. Last but not least was our trip to watch the Raptors 905 team at Scotiabank Arena. It was a very exciting game with the game decided right at the buzzer.





ENGLISH AS A SECOND LANGUAGE

FilCan Club, Filharmonix, and the FilCan Dance Crew participated in various events in the first semester. FilCan Club raised over \$130 for Sick Kids Hospital during the 12 Days of Giving event. Filharmonix singing group sang at a few school events and headlined the "Mom, Let's Talk" Podcast Launch in coordination with our community partner North York Community House. FilCan Dance Crew performed at the ESL Assembly for students and parents, as well as at the Kababayan Holidays Celebration.



The ELL (English Language Learners') Club participated in several events this semester. Some members of the ELL Club participated in the Holiday Assembly as Universal Voices. In addition, the ELL Club collaborated with the FilCan Club to provide karaoke, gym activities (pickleball, badminton, volleyball) during lunch for our ESL students. They also raised funds for charity on Valentine's Day.



Hospitality Department

We are fast approaching the time to choose courses for next year. The Hospitality Department would like to remind everyone of the great opportunity that is available through the Hospitality Specialized High Skills Major (SHSM).

This program allows students to focus their studies on cooking and baking while completing all the requirements of their diploma. Through field trips to places like Soma Chocolate Maker, St. Lawrence and Kensington Markets: and tours of the culinary facilities at Humber College, Centennial College and George Brown College students learn about the food industry and learning pathways. SHSM students also earn certifications such as Food Handlers, Smart Serve and First Aid, CPR.

Students take part in SHSM in grade 11 and 12 and need to successfully complete 2 cooking classes, 2 baking classes, a 2 period Co-op and 6 certifications.

A Red Seal is added to the diploma of students who successfully complete the program. This Red Seal is widely recognized by Universities and Colleges as an indication of hard work and dedication.

Hospitality SHSM is a great program for all students whether they are planning a culinary career or not. They can gain work experience as well as useful certifications and life skills.





BUSINESS STUDIES DEPARTMENT

THINK|
CONNECT|
EXPERIENCE.

STUDENTS PARTICIPATE IN WORLD OF CHOICES AT ROTMAN SCHOOL OF MANAGEMENT

Our Grade 11 Marketing class participated in an all-day workshop with 150 high school students from across the TDSB. Students had an opportunity to hear from a variety of mentors who are pursuing post-graduate MBA degrees and have varied and unique backgrounds. The event inspires high school students to understand the limitless opportunities available to them as they consider their educational and career pathways.

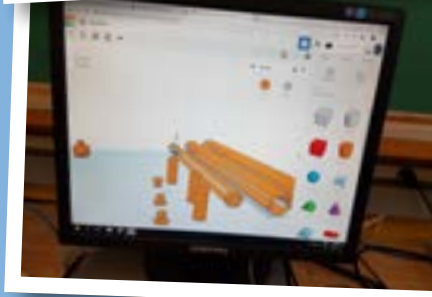


DECA, DECA, DECA!

Once again, 40+ Northview students competed at DECA Regionals on November 14 to earn limited spots to the DECA Ontario Provincial Competition. The array of events to compete in reflects the diversity of business applications in the workplace. Events such as Accounting to Sports and Entertainment Marketing, allow students find an area of interest to pursue.

ASSISTIVE DESIGN CHALLENGES GRADE 9 STUDENTS TO IMPROVE ACCESSIBILITY FOR STUDENTS

The business program continues to expand and integrate 3D printing into our curriculum. This month, all Grade 9 Business students in BTT201 learned how to design braille letters and assistive devices for students at our school with disabilities. Students used a 3-D software program called Tinkercad. Students collaborated and designed their parts and then reflected on how to improve them.



SheBiz

Ten highly motivated Northview female students in grades 9-12 participated in WCM SheBiz, a day-long event at Rotman School of Business Management that is designed to excite and prepare female students for future roles in business, finance and STEM related careers.



2ND ANNUAL ADVERTISING CONFERENCE BRINGS BUSINESS, STEAM AND CYBERARTS STUDENTS TOGETHER

The Northview Business Department brought students together from STEM, CyberArts and Business to experience the 2nd annual Cossette Advertising Conference in Liberty Village. Students explored pathways in E-commerce, Digital, Art Direction, CRM, Account Management and Creative Design. An authentic case study competition challenged our students to present a real marketing campaign to a panel of Industry experts.





Arts

Congratulations Northview! Our school now has a permanent Art Gallery: Gallery143 (Rm.143). This innovative space showcases: photography, sculpture, digital artwork, pottery, illustration, fiber arts, fashion design, painting and digital artwork, which will change throughout the school year. In second semester Gallery143 will be open at lunch. All are welcome. Check hours of operation posted outside the gallery. Gallery143 is also available for class tours.



VISUAL ARTS: Ms. Tuzi's Gr.11 photography students created a photo discovery book, Eureka, that promotes wellness and literacy skills. These books were donated to the NHSS ESL & Special Education Departments as well as Sick Kids Hospital.



VISUAL ARTS: Gr.12 Visual Arts students are busy completing very engaging sculptures, exploring social, political and environmental themes such as: gun violence, global warming, censorship, child labour, and the effects of educational cuts, to name a few. These sculptures along with many other art pieces will be on display at Northview's Annual ARTS NIGHT show on Thursday, May 7 at 6pm. All are welcome!



VISUAL ARTS: Grade 9 Visual Arts students are working on "9 squares," an illustration culminating project that represents student voice and identity through mixed media.



MUSIC: Congratulations music students on a successful semester! Band, choir and guitar students participated in various school assemblies and events. The Music Department collaborated with the Dance Department to perform a show of student work as part of Arts Everywhere. All band students, two extra-curricular bands, Northview Harmonix, a guitar ensemble and piano soloists participated in this performance. We are proud of all students who participated, especially those who performed for the first time.

Music students attended many learning sessions and workshops outside the classroom, such as TIFF: Sound for the Movies Workshop, and an Opera Atelier performance: Don Giovanni. Both bands and choir are in full preparation for the Sounds of Toronto festival which will take place at Roy Thomson Hall in April, 2020. Good luck!



This year's 4th annual, 12 Days of Giving was a huge success thanks to the creative, collaborative, and enthusiastic contributions of our inspiring and generous students, student organizations and the leadership of our staff! Collectively we supported 6 local charities including: The North York Harvest Food Bank, Eva's Initiatives for Homeless Youth, The Griffin Centre, Ernestine's Shelter, Sick Kid's Hospital, the Toronto Youth Development Program, and Books with Wings. Thanks to the incredible efforts of Me to We, GSA, Anime Club, NEAT, PAC, FilCan, the Business Club, the Student Mindfulness Team, the Library and library volunteers, as well as the Creative Arts Club, Jr. and Sr. Programming Clubs and the Cyber Arts Council, we were able to make important contributions to a number of community organizations.

Collectively Ms. Whitfield, Ms. Defilippis and Ms. Sepe's classes, with the support of school-wide donations, collected over 350 toiletry and warm winter clothing donations. The combined Me to We, GSA, CyberArts and Anime Clubs through their bake sales and holiday card sales raised \$320.30 to support the Griffin Centre. NEAT collected 30 reusable and plastic bags for the North York Harvest Food Bank and the Business Club donated \$41 through their sale of raffle tickets for an amazing gift basket. FilCan got into the festive spirit and raised \$83 to support Sick Kids Hospital. PAC's Basketball buy-out showcased the winners of the Basketball Intramural against the staff and raised \$325 to support Toronto Youth Development.

It is always a joy to watch our school community come together to share their time, talents, baking, and innovative fundraising efforts to make important impacts in the lives of others in our community and city.

A huge thank you to all for being a part of this important school-wide initiative which brought us together in the spirit of giving generously of our time, our energy, our gifts and our resources!

*With appreciation,
Katy Whitfield, Coordinator of The 12 Days of Giving*





Health and Physical Education

It's time for course selection and both students and parents are recognizing the far-reaching benefits of daily physical activity. As a result of taking Physical Education classes, our students report improved mood and feelings of positivity, decreased stress, increased energy, better sleep, enhanced social relationships and a stronger ability to focus in other classes. The Center for Disease Control and Prevention states "the evidence is clear—physical activity fosters normal growth and development, can reduce the risk of various chronic diseases, and can make people feel better, function better, and sleep better". Regular physical activity improves mental health, attention and cognitive function. The CDC recommends 60 minutes of physical activity each day for ages 6-17.

*Our students need to make physical activity a priority.
We encourage Northview students to choose Phys. Ed. Courses during course selection.*

In addition to our Phys. Ed. and Personal Fitness courses, Northview also offers Racquet Sports, Large Group Games, and Yoga & Mindfulness. For students considering a future career in Physical Education, Human Resources or Business, Northview offers Recreation and Fitness Leadership. For students considering a career in Medicine, Science and other health-related fields, taking Kinesiology is excellent preparation for post-secondary education.

COURSE CODES:

Phys. Ed	PPL2/3/4	(develop skills and play a variety of sports)
Personal Fitness	PAF2/3/4	(increase your overall physical fitness)
Large Group Games	PAL3O	
Racket Sports	PAI3O	
Yoga & Mindfulness	PAR4OF	
Recreation & Fitness Leadership	PLF4M	
Kinesiology	PSK4U	

INTRAMURAL NEWS

Our Phoenix Athletic Council (PAC) has been working hard to provide fun, active intramurals during lunch breaks. So far this year, we have crowned new intramural champions in both Ultimate Frisbee and Basketball. Recreational & Competitive Dodgeball intramurals are coming up next. Find yourself a team and participate in this fun activity!



Teacher vs. Students Game!



2019 Basketball Intramural Champions



2019 Frisbee Intramural Champions



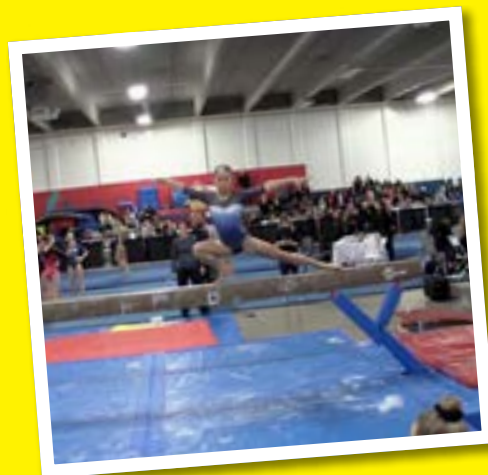
Academic Program for Gifted Athletes

The Academic Program for Gifted Athletes currently has 70 athletes representing 19 different sport disciplines. A few of our athletes are highlighted below.

Joseph P. (grade 12) competed at the 2020 Canadian National Figure Skating Championships in Mississauga where he finished 4th in the Men's seniors division, two spots behind APGA alumnus Nam Nguyen. Nam was the reigning Canadian champion but fell short in his free program to finish second. Joseph's result earned him a spot at the Junior Worlds Championships, which will take place in Tallinn, Estonia, from March 8 to 11.



Kiera W. (grade 11), Cassie L. and Maya P. (grade 9s) will be heading to Calgary, Alberta in early February to compete at the Elite Canada Artistic Gymnastics competition. We wish them the best of luck as they seek qualification for High Performance status, which gives them the right to compete in those categories at Canadian Championships and be eligible to be considered for national teams and potential international competitions.



Noah V. (grade 10) was named to the GTHL Top Prospects game in December. Noah is having a successful season with the Toronto Jr. Canadians and is projected to be drafted to the OHL this year.

APGA just wrapped up the application interviews for grade 8s looking to start in September 2020. APGA is looking forward to supporting another cohort of athletes in their pursuit of excellence in academics and athletics.





Cooperative Education

The Experiential Learning (Co-op) Department hosted its first ever Co-op Fair in January! Co-op students proudly showcased their co-op work placements, which included careers in Law, Hospitals & Long Term Care, Web Design, Robotics, Cyber Arts, Hospitality, Business, Education, Animal Care, Fitness & Well-Being, Pharmacy and Customer Service. Northview students had an opportunity to learn more about the Co-op Department, the types of co-op placements available and most importantly, hear directly from Co-op students about their work experiences. The fair was well attended by students, staff as well as Co-op Employers who were present to answer any questions students had about their career industry. Well done Co-op students! You make Northview proud!



**COMING
SOON**

PAUL DAVIS
FEBRUARY 25, 2020
NORTHVIEW HEIGHTS
SECONDARY
SCHOOL

**Social Networking
 & Online Safety**
Social Media / Image Sharing
Cyber-Bullying / Smartphones / Privacy
Digital Trails & More!

**COMING
SOON**