

Northview Heights S. S.



Principal: Alison MacLachlan

Superintendent: Elizabeth Addo

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Semester 1, Term 2 2018/2019



Administrative Team Message

Dear Parents/Guardians,

Greetings from the Administration Team at Northview Heights Secondary School!

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We are thrilled to produce another edition of our newsletter which serves to showcase all of the events that have taken place at our school over the last term. This edition of the newsletter spotlights events such as the Career Day assembly, the Substance Abuse Awareness Assembly, the Holiday Assembly, Semi Formal, Math competitions, our “Twelve Days of Giving” holiday drive, and many more curricular and extra-curricular highlights. You will see that we’ve had talented guests in our building and our students have ventured out on meaningful field trips that enhanced classroom learning.

As evidenced by this vibrant newsletter, Northview Heights continues to be a highly regarded high school destination for many. Our variety of programs, including SHSMs in Hospitality and Robotics, Cooperative Education, Specialized Trades Exploration Program (STEP to Construction), Honours Math, Science and Technology (HMST), CyberARTS and the Academic Program for Gifted Athletes (APGA) continues to attract students from across the TDSB. We are extremely proud of our well-earned reputation and thank our amazing staff and students for their hard work in keeping Northview Heights lively, contemporary and synonymous with academic success.

In addition to highlighting past events, this newsletter is a tool that forecasts upcoming events scheduled for semester two. All parents and guardians are encouraged to attend School Council meetings. Upcoming meetings are scheduled for the evenings of February 26 and April 23. As well, take note of our second semester Parent-Teacher Interview day, which will be held on March 28, 2019. To keep up-to-date with all of the happenings at Northview Heights, download the School Days App and follow our official Twitter page @NorthviewHtsSS.

Finally, we’d like to inform you that semester one report cards have now been distributed to students. Discuss the report card with your child, and if you have any questions, contact the school at 416-395-3290.

We look forward to another semester full of learning, fun and adventure.
Sincerely,

Alison MacLachlan (Principal)
Elise Davidson (Vice Principal, surnames A-G)
Karen Johnson (Vice Principal, surnames H-O)
Ken Do (Vice Principal, surnames P-Z)





Student Services

Student Services has completed a busy and productive first semester. Second semester began with course selection for students.

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:

Wednesday, February 6, 2019 - Course Selection Assemblies for all grades

Wednesday, February 6, 2019 - Course Selection Fair Period 5, for grade 9 classes

Thursday, February 7, 2019 - Course Selection Fairs for grades 10 and 11 classes

Wednesday, February 13, 2019 - Course Selection Sheet Teacher Signature Day
- myBlueprint enabled for course selection

Friday, February 22, 2019 - Course Selection Deadline



Note: Computer Labs are available during the lunch hour from February 19-22 to assist students with the on-line course selection process.

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 Mr. Thomas

P-Sa Ms. Allison (APGA/Special Education Students)

Sb-Z Ms. Pavlic-Trias (Visa Students P-Z)



The Guidance Department wishes everyone a successful Semester 2!





Student Leadership

Alongside academics and curriculum, Northview has many co-curricular and student leadership opportunities available for students. These experiences are both enjoyable and valuable in helping students build social skills, relationships, and important life skills. We strongly encourage our students to GET INVOLVED as members of our Northview community. Here are a few co-curricular highlights from the last few months:

SEMI FORMAL

On Thursday, November 15, SAC hosted Northview's annual Semi Formal at Destiny Banquet Hall. This year's theme was Black and White Met Gala, and the Student Council set the scene beautifully. More than 200 students attended an evening of dinner and dancing. The evening was full of Northview spirit and was a night to remember.



SUBSTANCE ABUSE AWARENESS ASSEMBLY AND CAMPAIGN

Students from Northview's Leadership Class ran a Substance Abuse Awareness Assembly, following a week-long campaign, during the week of November 30. Students ran activities during the lunch hour, with assistance from Toronto Public Health, to help our school community better understand the impacts of substance use. The week culminated in a moving assembly with both an informative presentation from Public Health and some artistic and moving student acts to reinforce the message that students need to be aware of the effects that substance use can have in their lives.



NORTHVIEW MULTICULTURAL FAIR

Led by a group of students from Northview's Leadership Class, Northview hosted its first Multicultural Fair on Wednesday, December 19. Student groups representing various cultures within Northview's community prepared displays that included food, music, dance, and other amazing cultural elements. It was exciting to see so many Northview students during period 2 and lunch exploring different cultures in our school population and learning about one another. Thank you to all the students and student groups who took the initiative to make this event happen!



HOLIDAY ASSEMBLY

On December 21, before heading off for the two week holiday break, SAC hosted Northview's annual Holiday Assembly. The show included 17 student talent acts, showcasing singing, dancing, instrumental music, juggling and card tricks. The holiday assembly is SAC's yearly school-wide celebration of the holiday season.





Honours Mathematics, Science, Technology (HMST)

neuroBRITE Conference at Baycrest Hospital

Northview had three teams of students who have been working with neuroscientists at Baycrest since April 2018, learning about brain function and how to design research projects in neuroscience. After choosing their research questions and designing their experiments, students used portable EEG technology to collect detailed data on memory and learning. Students analyzed their data and presented their findings at the very first neuroBRITE conference in December 2018.

Congratulations to all students who participated! Jenny, Anna, Yossef and Kelly conducted research on effectiveness of studying using traditional paper techniques compared to using digital technology. Mahla and Runqi examined the effect of bias on brain responses to controversial statements. Special congratulations to Jakub, Mina, Zara, Angela and Margarita, who won the award for "Best Poster Design." They conducted their research on patterns in language acquisition in youth compared to older adults.



Grade 10 students also attended the neuroBRITE conference. During the conference, students had the opportunity to meet and interview the researchers, medical staff and hospital administrators at Baycrest, learning about educational pathways in science and related careers.

The next phase, neuroBRITE 2.0, will take place from February to June, and will involve grade 10 students designing further experiments on the brain.



Honours Mathematics, Science, Technology (HMST)

Guest Speakers

Visitors from the University of Toronto Transplantation Institute met with several science classes in December and January. These guest speakers, included transplant recipients, organ donors, surgeons and pharmacists specializing in anti-rejection drugs for transplant patients.

Grade 10 science students participated in an informative Skype a Scientist session in December. Using live video chat, they met with a climate change researcher at the University of Florida. Students learned about the educational pathways that lead to scientific research, what the life of a scientist can involve, what current models are predicting for Earth's future climate and how socioeconomic and political factors influence policy-making.

Upcoming Events

- **Grade 8 Applicants:** In February, grade 8 applicants will receive offers of admission for the September 2019 Grade 9 HMST cohort.
- The HMST Social Committee will hold another event in February. Students will continue to network over hot chocolate and board games at lunch.
- In February, Grade 9 HMST students will spend a full day exploring post-secondary science opportunities by visiting Ryerson University. They will be taking a tour of the campus, including an extensive visit to the labs at the Institute for Biomedical Engineering, Science and Technology (iBEST). Afterwards, students will participate in a hands-on lab, learning about the physics of bubbles!
- In March, Grade 10 HMST students will be visiting the Ontario Science Centre. They will be attending an interactive workshop on chemical reactions and watching the Great Bear Rainforest IMAX movie about the rainforest in British Columbia.
- In May, Grade 11 HMST students will be visiting the Royal Ontario Museum for a hands-on workshop, investigating concepts related to biodiversity through examining specimens in a lab and in the Dinosaur and Bird Galleries.

HMST Volunteering

Thank you to the many grade 9 students who volunteered at the HMST Entrance Exam for Grade 8 students on Saturday, December 8. Your help was much appreciated!

Several students also shared their time and energy through volunteering at Vaughan Mills in December, helping to fundraise through gift wrapping for StepStones for Youth, an organization that mentors and supports youth at risk.



Upcoming Math and Science Competitions


HMST students will be participating in the following competitions in February, as part of the HMST Passport:

- University of British Columbia Michael Smith Contest in science, for Grade 9 and 10 students.
- Waterloo math competitions for grade 9 students (Pascal Contest), grade 10 students (Cayley Contest) and grade 11 students (Fermat Contest).



For more information about HMST:

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

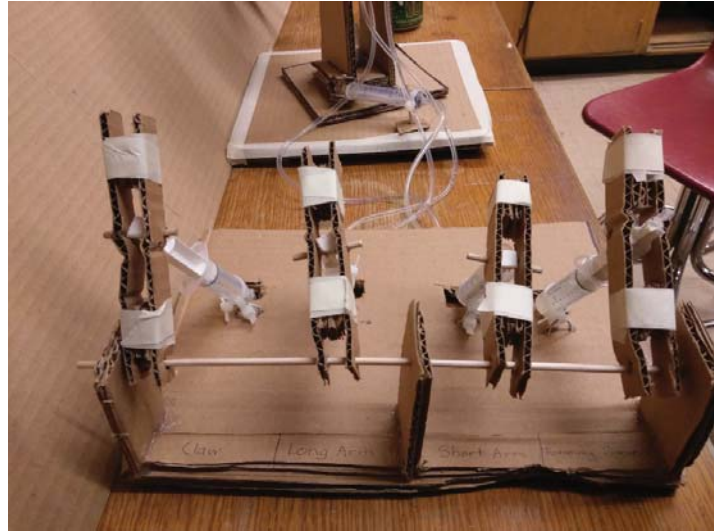
Follow us on Twitter! @NorthviewHMST 



Science Department

Grade 10 Science

Many of the grade 10 science students finished their research projects. Students worked on investigations of real world problems using scientific inquiry. The projects spanned Biology, Physics, Chemistry and Ecology. They shared their research projects through an entertaining video. Some projects included growing crystals, making bath bombs, investigating electrolytes and hydraulics. We were very excited to see all the finished projects. Below is an example of a group who built a moveable arm.



Physics

Grade 11 students completed their culminating project of a roller coaster build and an in depth analysis of the physics behind it, while the Grade 12 students completed their Rube Goldberg projects and analysis.

Physics Club will be continuing in Semester 2, every Friday at lunch but will now be a Senior physics club for Grade 11 and 12 students.





Science Department

Biology

Grade 11 students visited the Science Centre and had the opportunity to participate in a "Glowing" experiment in the WaytoGlo Laboratory.



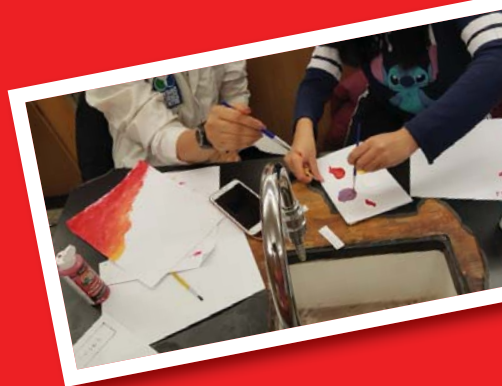
Chemistry

Grade 12 Chemistry (University) students visited York University for an interactive chemistry demonstration involving paramagnetism, Red Bull, and Gatorade. Students were able to compare the concentration of electrolytes in drinks using gold nanoparticles.



SNC4M Health Sciences

On November 30, SNC4M students visited CAMH on Queen St. and learned about the history of mental health and addiction in Toronto as part of their public health unit. Inspired by their visit, they designed public health campaigns for mental health which included interactive workshops to reduce test anxiety using scientifically-tested coping strategies.



Contests:

Michael Smith Challenge February 13, 2019.

Taking initiative of your learning

Our science teachers are more than happy to assist you with any questions you have about the science subjects you are taking. We are available for extra help at lunch (drop by the Science Office), and before and after school by appointment. You can also reach us by email or through our Google Classrooms (just post a reply to a topic, or start a new discussion, and we can assist you online).



Literacy & Moderns

Fifi (find it and fix it)



First semester's Find It and Fix It Credit Rescue Initiative was a great success, with over 145 students enrolled to receive support to rescue credits. A big thank you to all teachers who took part to make FIFI such a success! Go Northview!

AFTER SCHOOL LITERACY PREP

After school literacy prep began on Monday February 4 and will take place every Monday-Thursday.

Students are to sign-up with the English Department.

All are welcome!

OSSLT AT HOME LITERACY PREP

The Ontario Secondary School Literacy Test will take place on **March 27, 2019**.

For more OSSLT practise please visit
<http://www.eqao.com/en/assessments/OSSLT/students/Pages/example-materials.aspx>

Moderns

Ola! Brand new Spanish courses are being offered next year at the grade 10 and 11 levels!

LWSBD1 - Beginners Spanish , Grade 10 Academic. The LWS BD1 course is designed to provide students with basic communication skills in Spanish, and an understanding and appreciation of the Spanish language and culture.

LWSCU1 - is the grade 11 continuation of the grade 10 course with a focus on extending language skills acquired.



Mathematics

The Mathematics Department ran a very successful **After School Numeracy program** for our grade 9 students during the first semester. The program greatly benefitted the many students who attended and we are planning to continue the program on a weekly basis during the second semester.

Additionally, the Math Department will continue to run **Math Extra Help** each **Wednesday and Thursday in Room 326**, which is open to students of all grades and levels.

In November about sixty Northview students participated in the **Canadian Intermediate and Senior Mathematics competitions**. Congratulations to all participants and especially to our school's top scorers:

- Matthew J. and Jonathan Z.
(Canadian Intermediate Mathematics Contest)
- Tianai L. and Maxim R.
(Canadian Senior Mathematics Contest)





ESL Department

Our ESL Students competed in an ESL Speech competition at Northview. The winners, Arian J., Michaela P., and Leila A., went on to compete at the TDSB ESL Speech Competition. Congratulations to Leila for placing 3rd overall in the ESL E category!



We had two amazing field trips to the CN Tower/Ripley's Aquarium and the Etobicoke Field Trip Centre.



The ESL Department, ESL Club and FilCan Club have collaborated with the Phys. Ed, Dance, and Guidance departments as well as community partners to enhance our students' experience at Northview. Our events include crafts (creation of scent-free products), karaoke, dance, choir, badminton, basketball, and dodgeball.

We brought in three guest speakers: a 5 time Brazilian Jiu Jitsu champion, an Engineer and a Manager of a telecom company. They spoke about their immigrant experience and shared their keys to success.



Finally we would like to thank our wonderful community partners: Kababayan (after school program), LAWS (ESLD and E program), TDSB Newcomer Program (field trips) and Skills For Change (Lead On Youth Program).





Business Studies Department

Spending the Bank's Money

Our grade 12 Business Leadership students had the opportunity to experience a different side of the banking industry. In December, we were invited to TD Canada Trust's head office to meet with the bank's Corporate Responsibility Team and learn how they make decisions related to their corporate donations and community projects. Students were given actual requests for funds and worked in teams to decide how they might choose between various community-based projects, based on the bank's corporate responsibility objectives. The students presented their fundraising decisions.

Mithura M. presented her team's ideas and received feedback from TD's team.



Getting Down to Business

Ten highly motivated 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 STEM careers.



Stock Market Simulation at the Rotman

In December, four of our senior business students (Andrzej B., Valeriya G., Iris L. and Sofia S.) participated in UofT, Rotman's High School Market Simulation Challenge.

Students participated in a morning workshop about financial markets and then demonstrated their newly learned skills in a trading challenge using Rotman Information Trader software.



DECA, DECA, DECA!

Forty two Northview Students attended the DECA Regional competition in November. Ten students competed in DECA Provincials, one team placed in the top 5 of their category. Congratulations to all DECA members on a great season!



Business Leadership Retreat 2018

Grade 10 and 12 Business classes went to the Etobicoke Field Studies Centre for their Winter Collaborative Leadership program. Students learned how to work as a team, including opportunities to practice communication and cooperation skills. Through a series of activities and challenges, students began to understand the importance of these traits to a high performance team, and discussed how they may transfer their newly learned skills to school, work and their personal lives.





Business Studies Department

Business Students go 3D with Custom Key Chains

The business program continues to expand and integrate 3D printing into the curriculum. In January, all Grade 9 Business students learned how to design logos and customized keychains using a 3-D software program called Tinkercad.



Arsham F. learns more about Arduino and C programming using our 3D printer and Tinkercad to design his Spiderbot.

A "Smarter" Way to Learn about Spreadsheets

Students learned how to make data meaningful and "tasty" while having a snack at the same time. Using Google Sheets, students counted, sorted and collaborated in the cloud. The activity brought the basic formulas and functions to life as students used their senses for learning.



	Hegon & Alise	Arlo, Yomir, Sydney	Don & Elizabeth	Arora, Farah & Aileen	Total # of Smarties	Average number per bag
Orange	14	15	20	21	70	17.5
Blue	22	14	14	14	64	16
Green	12	14	10	12	48	12
Yellow	12	12	17	15	56	14
Pink	13	16	16	23	68	17
Purple	19	17	16	17	69	17.25

The Phoenix Nest Opens for Business



Grade 11 Marketing Students set-up shop in the Phoenix Nest. Student groups surveyed, researched, promoted, priced and sold a product/service for 3 days during Northview's Annual 12 Days of

Giving Campaign. Students experienced the thrill of operating a venture while giving back to our community partner, North York Harvest Food Bank.



Advertising Conference brings Business, Tech and Design Students Together

Northview went cross-departmental to scout out talent. Tech, CyberArts and Business students came together to attend the first ever Cossette Advertising Conference in Liberty Village. Students explored pathways in E-commerce, Digital Design, Art Direction, CRM, Account Management and Creative Design. The authentic McDonalds case study competition challenged our students to present a real marketing campaign to a panel of industry experts.





Cooperative Education

The Northview Cooperative Education program was very busy semester one. Students have been successful in a wide variety of co-op placements with, Hospitals, Computer Engineering, Business, Toronto Police Services, Toronto Transit Commission, Medical Laboratories, Veterinary Studies, Food Services, Health & Wellness, Robotics, etc. Students again made Northview proud by performing to their best ability.

Northview's Career Day: Wednesday November 14, 2018

On the morning of November 14, Northview held its first ever Career Day Assembly. Northview students from Grades 9, 10 and 11 heard from various guest speakers representing a variety of different workplace industries, speak about what a typical workday entails, as well as each of their respective careers and educational backgrounds. Students had the opportunity to hear about Robotics and Artificial Intelligence, Toronto Police Services, Business/Corporate Finance and Community Social Work and the Automotive Service Industry, all the while having the opportunity to ask questions to each of the presenters, including Inspector Hank Idsinga from Toronto Police Homicide.



Northview's Co-op Community Appreciation Breakfast: Friday January 11, 2019

Northview hosted its 3rd Community Appreciation Breakfast on Friday, January 11. At this event, the Co-op department invited and welcomed all current Co-op Community partners, as a way to thank them for their ongoing support of the students in our program. We also heard from select co-op employers and students as they shared many stories about the positive experiences they had throughout the semester. We look forward to hosting future Community Appreciation Breakfasts as we continue to grow and expand our community partnerships and our Co-op program.



STEP to Construction

STEP to Construction completed first semester with two full classes of nearly 40 students on Construction sites across Toronto. Students were able to spend time with a number of trades experts in carpentry, electrical, bricklaying, plumbing, sheetmetal, labourers, drywall, tile, etc. Placements were with large builders such as Tridel, Daniels, Menkes, etc. We look forward to another semester with our largest class to-date of 44 students from over 20 TDSB schools.





Northview's 12 Days of Giving!

The 12 Days of Giving Holiday Drive was a huge success thanks to the generous hearts, talents, enthusiasm and contributions of our amazing students, student organizations and the leadership of our staff!

Collectively we supported 10 local charities including: The North York Harvest Food Bank, Eva's Initiatives, The Red Door Shelter, The Montreal Children's Hospital Foundation, Sick Kid's Hospital, Diabetes Canada, the Toronto Youth Development Program, the Toronto Foundation for Student Success, the Centre for Addiction and Mental Health, and the Community Meal.

Due to the incredible efforts of Me to We, I'm pact, NEAT, PAC, SAC, the GSA, the French Club, the Business Club, the Student Mindfulness Team, the Library and library volunteers, Mr. Oppenheimer's GLN and Marketing class, Ms. Juruc's GPP30 class, **we collected over \$1275 in monetary donations, 236 non-perishable food items, contributions for 10 toiletry kits, 854 toiletry items, 135 plastic and reusable bags and 477 new and gently used toys.**

We also provided school supplies to students within our own community, shared foods and traditions from our cultures with each other and made some mindful holiday cards to brighten up the lives of our friends and colleagues!

It was awesome to see how our school community mobilized itself to get involved in these life "giving" activities that make such an important impact in the lives of others.

A huge thank you to each and every one of you for supporting our students, purchasing items to support local causes and for being a part of this important school-wide initiative which brought us together in the spirit of giving.

BIG THANK YOU TO YOU ALL!

With appreciation, Katy Whitfield and David Oppenheimer





CyberARTS Department

The Creative Industries and career paths took centre stage in the second part of semester one. Grade 9 and 10 CyberARTS students had the opportunity to work with guest artist, Pam Lobb. Pam is a printmaker and owner of the Graven Feather, where she runs art shows and workshops. In addition to instructing the students in different printing techniques, she shared her experiences as a professional artist in Toronto, as part of Northview's first Arts Careers Symposium. Class of 2014 Cyber graduate, Christine Chung, presented to the grade 12 class. She spoke about the animation industry in Toronto, gaining a degree from the renowned Sherian Animation course and her first year working at Elliot Animation.

The grade 11 students attended the Creative Futures Expo run by Applied Arts Magazine. This year's event was held at the Science Centre and students got to meet a variety of professionals and post-secondary representatives. We learned, among other things, that Canada's creative economy accounts for 12.9% of Canada's total workforce, more than in the US and UK. CyberARTS students were also part of a group invited to Cossette Marketing and Communications Agency. They spent an insightful day speaking with architects of numerous campaigns for some of the world's largest brands. They also had the opportunity to look at case studies and present their ideas in the board room.



Creative professionals at the Applied Arts Expo

Other field trips included two visits to the Art Gallery of Ontario for a modern art exhibit and a show that combined art with science. Anthropocene showcased photographs, including large-scale murals augmented by film extensions, film installations and augmented reality (AR) installations.



Modern art at the AGO

Check out the new CyberARTS website at

www.cyberarts-northview.ca

and see student artwork

@nhssciberarts on instagram and twitter.



An enjoyable learning experience with one of our many guest artists



Technological Education



Students measuring counter top height for support rails



Grade 11 Com Tech producing interactive websites



Student installing the cleats for a counter top in grade 11 Construction Engineering



Peer evaluation of websites



Joining one face of rough sawn pine for the chair leg



Changing the drive belt

Tech Design student with the side table he designed



Experiential Learning and Co-op will be hosting a TDSB Secondary Technological Skills Competition here at Northview Heights on March 19. We will be offering students a unique opportunity to demonstrate their skills in a Workplace Safety Competition.

Mr. Vant Erve and Mr. Bhola, respectively, will be taking our students to a Carpentry Skills Competition and an Auto Service Competition. Winners have a chance to move on to Ontario Skills Competition in May. Good Luck Northview!





Athletics

The last two months of 2018 saw a series of successfully run events. We crowned our 2nd set of intramural champions, this time in dodgeball. As part of the 12 Days of Giving we were able to organize another successful dodgeball buy out, raising \$615 that we donated to a local youth shelter. We wrapped up the event with our annual teacher versus student match. This time, the students got the better of the teachers with a 3-1 victory.



November also saw our annual spirit wear sale. To show off their school spirit, Northview staff and students came out in droves to purchase their Northview swag.

As we wrap up our winter season we will be celebrating our many teams and athletes with our winter sports Athletic Recognition Assembly on March 7.



Hospitality and Tourism

Join us in the Hospitality SHSM program!

As we start the 2nd semester and students begin to think about their course selection for next year, we would like to remind our grade 10 students about the **Hospitality Specialized High Skills Major** program starting in grade 11. The Hospitality SHSM program allows students to focus on their interest in cooking and baking while completing the requirements of their Ontario Secondary School Diploma. This is an opportunity for students to get hands on experience in the culinary arts while getting useful certifications free of cost. More information is available in the Guidance Office or in the Hospitality Department.

