



**Winter
2016**

Markville SS Newsletter

Message from our Principal

Dear Students, Parents and Guardians,

As we post this newsletter, you should be receiving your son's/daughter's report card. This report card represents a summary of evidence based student learning, and reflects how well our students have achieved the overall curriculum expectations for each subject, as well as how well they have developed their learning skills and work habits over the course of first semester.

It is hard to believe that a full semester has come to an end! And once again Markville Secondary School has been such a busy place! I would like to take this opportunity to share with you some of the highlights, accomplishments, and events in which our students and staff participated.

This past semester our students participated in competitions in athletics, music, and academics; they demonstrated their care for the less fortunate by raising funds through their participation in many fund raising initiatives; their academic achievement and their improved efforts to succeed were recognized at the Jr. Awards Assembly; our talented Music students and their dedicated teachers presented their audience with a witty, funny and entertaining musical, ***Nice Work, If You Can Get It***. In addition, a group of our students and their teachers was able to directly observe the variety of geographical landforms while touring Europe. In spite of the constant busyness of our school, our students continued to excel in many areas and were able to have their accomplishments recognized not only by our school, but also by our Board, the province and even internationally. Among these recognitions, we have students who were recognized for their innovation, creativity and superb communications skills, having invented a drone to assist with natural disasters and winning a Government of Canada History Award, while others received letters of acceptance to high profile institutions such as MIT.

All of these recognitions are only possible because of the commitment and dedication of our staff who act as role models for our students, demonstrating their joy of learning and their enthusiasm. I would like to thank all staff for the environment they have created at our school, where students feel safe and engaged to become successful citizens of life.

continued...

Administration

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Message from our Principal—continued...

I would also like to congratulate our students who have graduated at the end of semester one. I wish you all success on the new path you are beginning. I am confident that you are leaving Markville with the knowledge and skills necessary to open all the doors you wish to go through.

At this time we also need to say goodbye to a number of teachers who are moving on to other locations but who, over the semester, became integral parts of our community: Ms. Chu, Ms. Strachan, Ms. Tafader and Ms. Varughese. We wish them all success and we thank them for all they did to support Markville's students. We also wish all the best to Ms. Faizi, our first semester Interim Head of Geography, as she embarks on her second journey into parenthood.

As we begin Semester two, we continue to encourage parents to contact teachers and/or the Guidance Department staff early in the semester regarding any question or concerns you may have regarding your son's/daughter's progress at school. In addition, the Guidance Department in conjunction with all teachers will be assisting students in choosing their courses for next year and will explain this process and answer any questions they may have. We encourage our students to make wise choices with regard to courses for the 2016/2017 school year. Course selections are due by Friday, February 19th in Career Cruising.

We wish our students every success in their studies and look forward to another exciting semester and celebrating their accomplishments with them.

Ms. Obadia

Principal



PERSONALIZED ALTERNATIVE EDUCATION PROGRAM

This semester has been an exciting one for the P.A.E. Dept. with the launch of our 3D Printers available for use to all of our staff and teachers. Flashprint Services continues to grow serving our school and community. This exciting opportunity allows our students to discover the world of entrepreneurship.

Our paid co-op job opportunities offered in the JUMP program provide experiential learning for students to earn elective credits and to get a taste of working in the real world. We thank our community partners: BMW, McDonald's, No Frills and various stores at Markville Mall. In combination with all of our programs such as Quadmester and JUMP, several of our students took advantage of the Dual Credit program offered at Seneca College to earn one college credit.

The P.A.E. Department's team of teachers is to be commended for their hard work thus enabling our students to be successful.

Finally, congratulations to our grads this semester as they move on to postsecondary education and in to the world of work!

For any inquiries into the programs offered please contact vandita.kant@yrdsb.ca.

MATHEMATICS DEPARTMENT

Markville students participated in the annual Sunlife Canadian Open Math contest in November 2015. Special congratulations go to the following students who placed in the **top 25%** of all Canadian competitors.

Lillian Zhang (who also qualified for Canadian Mathematics Olympiad)

Catherine Kang

Hans Sun

Lancy Wang

Markville students also performed well in the University of Waterloo Mathematics Contests held in November 2015. Students in the Intermediate division (grades 9 and 10) as a school team placed **8th in the region, 22nd out of 339** schools in Ontario and **38th out of 592** schools in Canada. Students in the Senior division (grades 11 and 12) as a school team placed **5th in the region, 10th out of 375** schools in Ontario and **12th out of 631** schools in Canada.

Special congratulations go to the following students, who placed in the **top 25%** of all Canadian competitors.

Canadian Senior Mathematics Contest:

Lillian Zhang (Medal)
Anna Teresa Lai
Naqvi Naushad
Steven Xiong

Tate Cheng
Alice Liang
Bill Wang
Jonathan Yu

Thomas Cheung
Jethro Mak
Jason Wang
Yolanda Zhang

Catherine Kang
Mohammed Nasir
Lancy Wang
Frank Zhao

Canadian Intermediate Mathematics Contest:

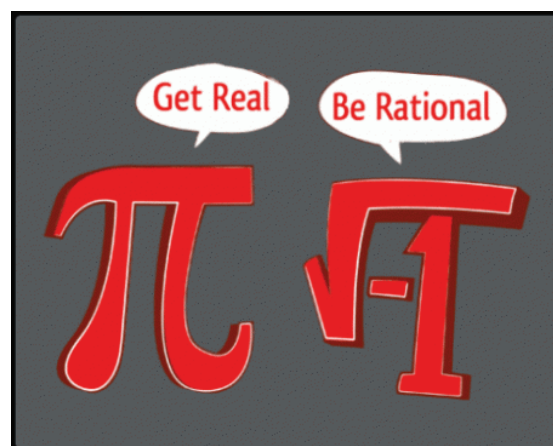
Bjon Li (Medal)
Hans Sun

Harry Chen
Joshua Wu

Leo Chiang
Daniel Xia

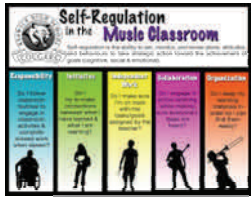
Evelyn Li
Kevin Xu

We look forward to the upcoming University of Waterloo math contests: the Grade 9 Pascal, Grade 10 Cayley, and Grade 11 Fermat contests to be written on **Wednesday Feb. 24**; the Senior Euclid contest to be written on **Tuesday April 12**; and the Grade 9 Fryer, Grade 10 Galois, and Grade 11 Hypatia contests to be written on **Wednesday April 13**. If any students are interested in participating and have not yet signed up, they should see a math teacher immediately.



FLASH PRINT @ MSS has had a productive and creative semester!

Printing needs ranged this semester from over one hundred 24" x 36" laminated posters for Keswick



H.S., to 1200 double sided and laminated Empower cards for Aurora H.S. students. In addition to such large projects, the staff at Flash Print have been meeting the needs of their peers by printing brochures, resumes, cereal box designs, university applications, essays, co-op posters, club posters, t-shirt designs, math assignments, etc.

Design needs this semester included SHSM certificates, as in the Management and Leadership certificate for Stephen Lewis Secondary School.

ICE: Innovation, Creativity and Entrepreneurship, a new training session offered by SHSM, also benefitted from Flash Print with a new certificate.



Miss Mee's grade 11 Communications Technology class assisted Flash Print this semester with the design and production of holiday cards for our administrators to distribute to the staff.

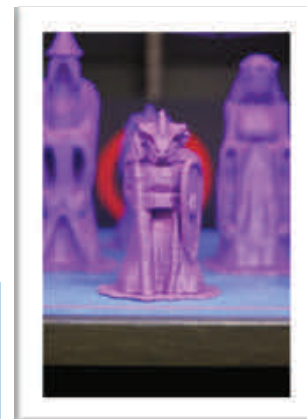


Not only have Flash Print students assisted their peers and teachers with their printing and design needs, but they have also started their own (ad)ventures. Flash Print hosted a venture that featured Pop-Up Products (PUP) like stickers, bookmarks, buttons, holiday cards and crackers.

The entrepreneurship students received priceless mentorship from Mr. Ed Law and Miss Natasha Bussoli from BOC (Business and Office Centro) throughout the semester about their venture plans, products and marketing. With prototypes in hand, a soft launch was conducted in mid-November to test the viability of the products. Invaluable suggestions were incorporated into the final products. PUPs were sold around the school to students and teachers during December. Bookmarks and buttons were also sold at Raymerwood P.S. on 4 occasions.

FLASH PRINT @ MSS continued...

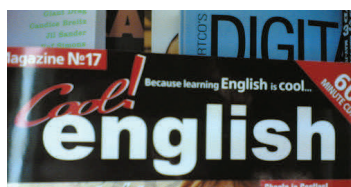
Finally, the 3D Printing Club, hosted by Flash Print @ MSS, has been meeting on Thursdays between 3:15 pm and 4:15 pm. The members of this club have worked collaboratively together to help one another understand and conduct 3D printing on our 2 MakerBot printers. Under the guidance of our club president, **Tenner Cheung**, the club's first raffle in December presented a grand prize of a full set of robots versus wizards chess set which was all printed on the MakerBots in the store.



Starting in Semester 2, the club will be exploring how to use SketchUp to design a decorated Easter egg. What do you need to join the club? A laptop and 3 programs installed on it: SketchUp; Netfabb and Makerbot.

Check out the club at mss3dprint.blogspot.ca and come join us on **Thursday, February 4th** to begin a new egg-cellent project!

ESL— ENGLISH AS A SECOND LANGUAGE



This has been an exciting year for Markville's ESL Department! With the focus this year on "Celebrating Canada" students had the opportunity to explore and take in the sights and sounds of the Markham Fair and carve pumpkins for our in-class Halloween party.

Thanksgiving brought taste testing of pumpkin pie, stuffing and cranberry sauce which led us to our 3rd annual "Home for the Holidays" festive dinner in celebration of the holiday season.

Markville teachers cooked and served a traditional holiday meal to over 100 ELLs and the event welcomed prominent Asian Canadians from our board and community. Of course, no Christmas party is complete without a guest appearance by Santa himself! Along with fun classroom activities such as literature circles, creative writing assignments and dramatic arts presentations, the ESL department is looking forward to having students participate in educational workshops and end the school year on the beach participating in team building activities.



FSL AND INTERNATIONAL LANGUAGES

TERM ONE 2015-2016

The FSL and International Languages Department had a great semester!

Grade 9 Academic French

The Grade 9 Academic French students had a great semester embarking on a new course, new e-textbook, online cahier, and new curriculum. They were truly engaged in the **1:1** program at Markville. Our students discussed important themes like proper usage of technology, technology etiquette, and how to effectively find solutions to everyday conflicts. They explored and discussed different regions of **La Francophonie** and were able to improve their French communication skills through Phone Diaries, Paperless Presentations, skits, and mini conversations. They recorded themselves speaking French for 2-4 minutes which they submitted online. The French food days in our classes were full of delicious treats from many francophone countries globally – various types of treats were brought in for all to sample!!!

At the end of the semester, they read a short story called **Vas-y Johanne**, which led to their final performance task: **Talent Canada**. Presentations included diverse talents such as dancing, magic tricks, origami, arts and crafts, singing, playing instruments, juggling, folding laundry, cup stacking, baking, improv, and more. Thank you for all your hard work Grade 9s.

We look forward to seeing you in French, Spanish, Italian or Greek!

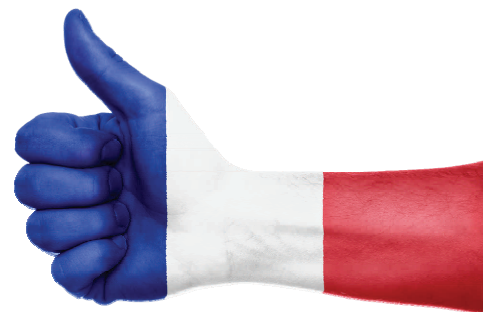
Bon Travail Grade 9s! See you in Grade 10 French or International Languages!

Grade 9 Applied French



The Grade 9 Applied French students were a very nice group of students who were eager to participate in any activities *involving healthy competition in class*. They performed dialogues, created personal Web pages, and did paperless PowerPoint presentations to improve oral communication in French. They also researched food from many francophone countries, brought in samples and had a great French Food Day! To finish up the term, they took on the character of a fortune teller from a francophone part of the world and presented their final task ***tout en français!!***

***Bon travail les amis! See you in
Grade 10 French or
International Languages!!!!***



FSL AND INTERNATIONAL LANGUAGES—continued...

Grade 10 Academic French

Our Grade 10 French students explored a variety of themes this year from possible careers, to new French musicians and groups, interpretation of one's self-image, the joys of laughing and comedy, the sad history of genocide worldwide and the weird world of urban legends. Throughout these units, they read different excerpts, tackled new grammar and improved their oral communication. They explored opportunities for travel and volunteer work and interviewed in order to receive a grant to make their dreams come true. To complete their year, our Grade 10's created a TED Talk of their choice to present to the class. We hope to see many of you in our Grade 11 French classes next year!!

Bien fait nos amis!!!! Soyez fiers et fières!

Grade 11 University French

Grade 11 French was full of fun and work this semester! Students presented on people of influence, created and filmed news broadcast videos and presented on directors and producers known globally. They explored current events, and investigated social issues. They travelled to the **AGO** and then presented on art that inspired them. Students improved their speaking abilities and honed their writing skills. They read *Petit Nicolas* and *Fantôme de l'Opéra* and compared the written masterpiece to the film versions. They enjoyed a great French Food day with treats from many francophone countries. The students worked very hard and it showed in their final project: creating a magazine online and a formal presentation to share their discoveries with the class!! **Bravo! C'était amusant!**

À la douzième l'année prochaine!! Bravo les amis!!

Grade 12 University French

The Grade 12 class did an excellent job in their **Literature Circles** on **Secrets de Guerre** completing different roles every two weeks; their French speaking skills improved dramatically during this period. Not only did they study an anthology of French literature, they also analysed **Les Misérables** (both the novel and the film). Their studies continued with an in depth analysis of **Le petit prince**. They visited the **ROM** and participated in experiential learning. They then created monologues on a historical figure of their choice **en français!** They also did research on First Nations and participated in debates for this subject. The French essays and presentations on **La Francophonie** globally were excellent and very informative. An incredible group of French students who are ready for the next step in their study of this language!!

Bravo les étudiants de la douzième – et bonne chance avec vos études au futur!!

FSL AND INTERNATIONAL LANGUAGES—continued...

Grade 12 French Certificate of Merit

Félicitations!

We would like to congratulate the **Grade 12 French students** of Semester 1 for completing their **French Certificate of Merit**. They will receive it at graduation this June.

We wish them well with all their future endeavours!

Zeina Abouchacra
Valerie Chan
Ethan Leahy
Aures Thomas
Lillian Zhang

Jennifer Bi
Saksham Chaudhry
Alcandor Lui
Bryan Tse
Jenny Zhao

Jamie Bruce
Charlotte Fry
Amanda Ng
Crystal Wu
Nicole Zhao

Giselle Chan
Maggie Jiang
Domenique O'Brien
Renee Yeung
Nikita Zurowski

Grade 10 Academic Spanish

This energetic and creative bunch of students was quick at grasping the Spanish lingo. They are able to maintain a three minute conversation, *sin pensar*. Many of the students shared their wild experiences while preparing their Spanish food dish for our annual *fiesta*! The dishes were *deliciosas*! Our students became actors and did a phenomenal job on their final project, *the Spanish Movie*! They presented with charisma and style!

The grade 10 Spanish class went on a fun filled field trip to Kensington Market; students completed an intense scavenger hunt, tried some delicious empanadas at Jumbo Empanadas along with some sharp cheese from Spanish and Latino countries. Lastly, the students enjoyed the paella and *dulces*, especially the chocolate filled *churros*. They are ready for a trip to *España*!

Señor Ebrahim would like to congratulate the Spanish students for a wonderful semester, all their hard work and dedication.

¡Gracias! ¡See you next year in Grade 11 Spanish!

Practice your Spanish daily with those awesome flash cards!



FSL AND INTERNATIONAL LANGUAGES—continued...

OTTAWA/QUEBEC/MONTREAL –MARCH BREAK 2016

We would like to wish all students participating in this trip a safe and fantastic time. This upcoming 6 day trip to these three great cities during March Break 2016 includes: The Ottawa Senators vs. Toronto Maple Leafs game, dog-sledding, snow tubing, museums, churches, parliament, the Biodome and the IMAX, just to name a few!!!
The students will have memories that will last a lifetime!!!

OUR UPCOMING INTERNATIONAL TRIP FOR OCTOBER 2016

We look forward to travelling with our language students and the students from Family Studies on the upcoming Europe trip to:

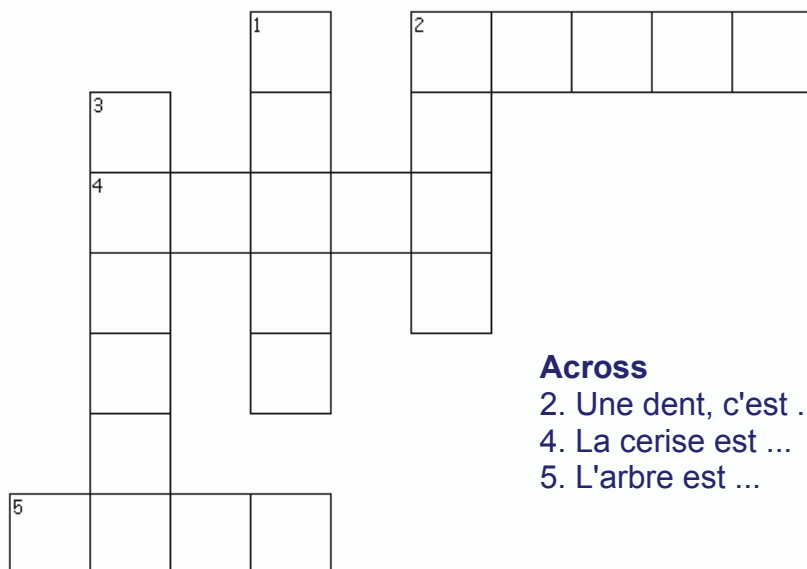
Greece, Italy and Spain – October Break 2016 for 11 days

Merci (grazie and gracias) à tous pour vos efforts!

To all our language students, we wish you a great second term and good luck in your future studies! Merci!!

Mme Tavernese, M Ebrahim, Mme Jeffery, Mlle Carter, Mme Stecher, Mlle Park

Les couleurs



Across

- 2. Une dent, c'est ...
- 4. La cerise est ...
- 5. L'arbre est ...

Down

- 1. Le soleil est ...
- 2. Le ciel est ...
- 3. La citrouille est ...



bleu, vert, jaune, rouge, orange, blanc

HISTORY DEPARTMENT

Government of Canada History Award

Carmen Li has been the recipient of the Government of Canada History Essay Award- two years in a row! In both 2014 and 2015 Carmen received a cheque from the Government of Canada for \$1000 as well as being recognized online:

<http://www.canadashistory.ca/History-Awards/Student-Award/Winning-Essays/Carmen-Li>

The goal of the Government of Canada History Awards is to connect youth to their history by honouring outstanding students who show an interest in celebrating Canadian history. The awards are administered by Canada's History, an independent national charitable organization whose mission is to promote greater popular interest in Canadian history.

TRAVEL INTO HISTORY!

Reflections on Europe 2015

13 days, 5 countries, 100 Mavericks! Whether it was hiking up a snowcapped mountain in Switzerland, dancing along the shores of Northern Italy, touring the decadent riches of Monaco, walking the beaches of Nice, exploring the beauty of Provence, just breathing in the energy of Barcelona or cheering and singing at a soccer game in Madrid, this trip had it all. With a group this large it seemed that we took over every place we visited. There is nothing like an impromptu frisbee game opening up in an ancient Roman colosseum imagining what it must have been like to be a gladiator. What about summiting Mount Pilatus and then taking a boat cruise across Lake Lucerne in beautiful Switzerland? The South of France was both beautiful and steeped in historical gems. It was also amazing to see the Spanish countryside going 300 km/h on a high speed train, to arrive at the castles, palaces and wonders of Madrid. This was an epic journey of learning, laughter, new friends and experiences that will last a lifetime.



Cinque Terre, Italy

HISTORY DEPARTMENT - continued...



Barcelona, Spain

Washington May 2016

The History Department is very excited about sharing the grandeur of Gettysburg and Washington DC with 90 Markville students in May. Please make sure to submit your participation forms and passport copies as soon as possible. Stay tuned at markvillehistory.com for more details about trip t-shirts, optional excursions and rooming assignments. Get ready for another terrific travel into history!

European Battlefield Tour 2017

Hey Grade 9s and 10s!! Start saving your money. It is 100 years since the battle of Vimy Ridge where many argue Canada began to define itself as a nation!! The History Department will be going to Europe in October 2017. Planning for our Battlefield Tour has already started as we look to head to Berlin, Amsterdam, Vimy Ridge, Normandy, and Paris. That is Germany, the Netherlands, Belgium and France! Stay tuned for more details. We will be having our first information meeting in second semester. Information will also be posted on our department website: www.markvillehistory.com

HISTORY DEPARTMENT—continued...

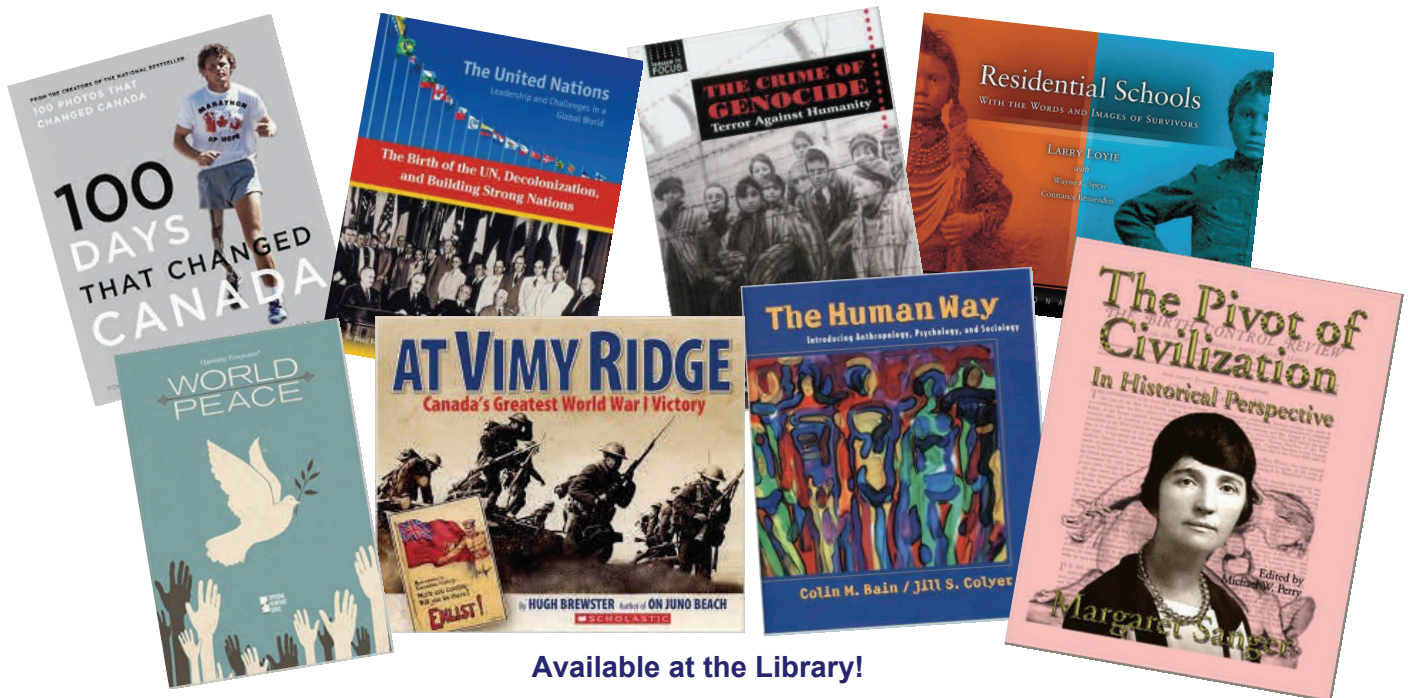
MUN Awards and Conferences

Markville's Model United Nations Club has continued to grow and improve this year. In November, Markville's delegates travelled to Montreal for McGill's Secondary Schools United Nations Symposium, the largest MUN conference in Canada! This was Markville's first MUN conference outside of Toronto, and our students did not disappoint with **Andrea Alexei** winning the **Lester B. Pearson Award** in her Edo Bakufu committee, and **Ayaan Virani** winning an **honorable mention from the Civil Aviation Committee**. All delegates had an amazing experience and look forward to going back next year! Markville's MUN also attended conferences at the University of Toronto and Cedarbrae Collegiate. At the SSICSIM conference at UofT, **Kevin McGuire** won **best delegate** for dominating the Super-intelligence committee. In a later conference at Cedarbrae Collegiate, **Amir Asgarali** and **Kevin McGuire** won **honorable mention**, **Amanda Ng** won **outstanding delegate**, and **Andrea Alexei** took **home the award for best delegate**. We've proven a delegation to be reckoned with in all of the conferences we've attended this year.

A driving force behind the growing success of our MUN club was our **Secretary General, Andrea Alexei**, and the executive team, which included **Kevin McGuire, Jack Codini, Thomas Hankins, Ayaan Virani, and Amanda Ng**. In a very short time, these committed members have brought the club to new heights.

New and Improved Honours Thesis Course *

Have you ever wanted to spend a semester on a topic of YOUR choice? Honours Thesis has seen a cool shift in the last couple of years to a mix of amazing topics from Science, Mathematics, Business, Medicine, Genocide, Economics, Politics, History, Psychology, Anthropology and many other disciplines. If you want to become an expert in a subject and develop important creative and critical thinking skills, as well as your reading and writing skills, this course will help prepare you for University!

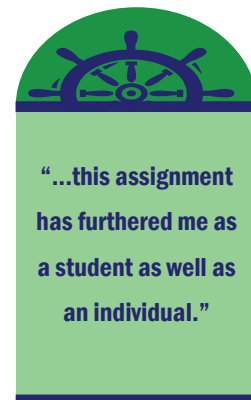


Available at the Library!

ENGLISH DEPARTMENT

With first semester under wraps and second semester gearing up to be full of creativity and challenge, the English department certainly has much to look forward to and a lot to celebrate. We continue to enhance the liveliness of our hallways by bringing colour and inspiration in the form of various murals in addition to posters of our very own department members' most recommended books. We've also showcased the biographies of all our extremely passionate and engaging teachers on the bulletin board outside our office, so next time you're up on the 3rd floor, take some time to savor the new sights. So far, this year has brought many wonderful student experiences; for instance, we were visited by a UofT Professor who lectured about Marxism in film and literature and over 100 grade 12 students participated in our 2nd annual Oration Symposium where they demonstrated incredible rhetorical and persuasive skill in speaking about some very intriguing issues! Similarly, our grade 9 classes designed fabulously creative modern superheroes for their Mythology unit while our grade 10 gifted students achieved truly exemplary results on their major end of term summative task. One group in particular had Ms. Mitrevski and all their classmates on their feet with a standing ovation for their musical interpretation of *Macbeth*. Moreover, under the leadership of Ms. Izadpanah, many of our English and ESL teachers have resurrected the school newspaper and have been working diligently with a group of bright writers, led by editors in our ELL community, to put out a professional publication highlighting topics of interest and intrigue for our school population. On another exciting note, our very own Ms. Jalaluddin is now writing a weekly humor column in The Toronto Star and Ms. Bozabalian was voted Toronto's Best Poet in the 2015 Now Magazine poll! We're also very happy to welcome Ms. Sheriff and Ms. Babiolakis who will be joining us to teach some English courses. Finally, given that such an important part of the learning journey is reflecting upon how we've done and how we can improve, we often ask our students to comment on their engagement. We'll leave you with the words of one of our students who had the following to say about an English summative:

"English as a subject serves not only to prevent the minds of students from shriveling up, but to challenge the thinking and interpretation of their minds. Many look at the world without critical eyes and skim the surface, however, English seeks to rectify this through critical analysis and studies. It is needless to say that the dramatization of Macbeth is unlike any assignment handed to me before; I have learned in multitudes from it. Firstly, I have learned that the greatest strokes of genius bloom from the seeds of the most unconventional ideas. [...] In conclusion, this knowledgeable experience has left me wiser than I was before. Through the teaching of good work ethic, creative thinking, and interpretation, this assignment has furthered me as a student as well as an individual."



The past, the present and the future walk into a bar. It was tense.

DRAMATIC ARTS

The first semester has been a busy one for Markville Drama students.

The Markville Drama Club held its annual Halloween Costume Party on October 28. Decked out in creative costumes, members participated in drama improv games and indulged in spooky treats.

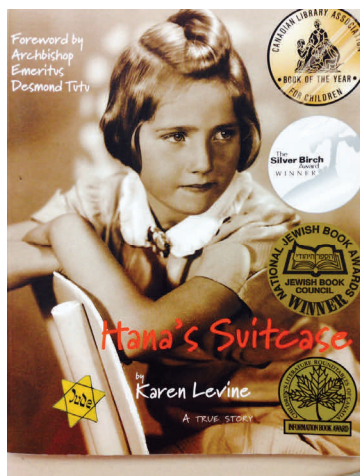


The Markville Drama Club meets every Wednesday after school in the Drama Studio. Meetings involve drama games and activities and the opportunity to meet new people and make new friends.
It's not too late to join the Drama Club. New members are always welcome.

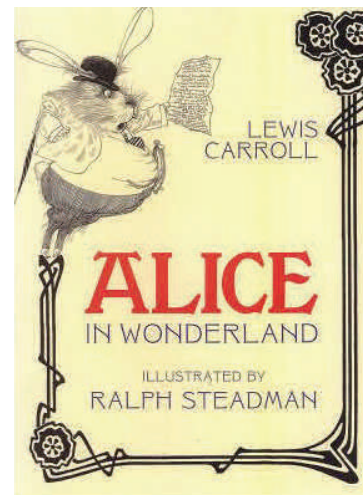


Auditions for this year's spring Drama production, Sherlock Holmes, were held in early October. Mr. Nicholson would like to thank everyone who auditioned. It was a tough decision, but the 25 roles were finally filled with some of Markville's seasoned and up-and-coming actors.

Performance dates are April 19 and 21, 2016. Tickets will go on sale in early April.



On October 27, grade 9 and 10 drama classes travelled to Toronto to Young People's Theatre to learn the true story of Hana Brady and the Holocaust in Hana's Suitcase. Our spring field trip on May 31, 2016 is to the world famous Shaw Festival in Niagara-on-the-Lake. Students will participate in a backstage tour in the morning followed by a picnic lunch and a performance of an all new production of Alice in Wonderland.



DRAMATIC ARTS—continued...



The talent of our Markville students was revealed in the many student written and student directed productions created in the drama classes.

The Grade 9 Drama Class examined social issues revealed in their favourite music and created original productions based on these issues.



The Grade 10 ESL Drama classes explored the world of Children's Theatre and created original fairy tales with special lessons for young children.



Along with creating the scripts, students were also responsible for designing props, sets, costumes, lighting, and sound.

The plays were enjoyed by all.



TECHNOLOGY DEPARTMENT

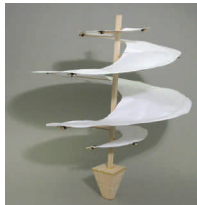
This year, there have been some big changes in Markville's Tech Department staff. In Sept, 2015, we welcomed a new Computer Robotics / Engineering teacher, Simon Huang. His specialty in engineering is broadening the projects available to our students in the grade 11 and grade 12 Robotics / Engineering courses.



Students and parents can continue to access Markville Tech's YouTube channel 24/7 through their iPhones, iPads, Blackberry's and other smart phones as well as their laptops and home computers. The channel boasts student music videos, commercials and video tutorials as well as full-length clay animations and short films. We are excited to be able to offer this component as a public platform to continue to explore and share the amazing course work our students are able to accomplish.

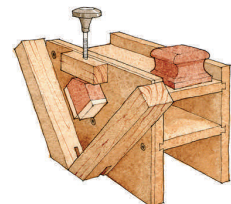
This semester **Communication Technology** students put out some real world projects, such as creating the holiday cards for the school's administrative team. More than 200 examples of student work were delivered to members of the school community. The students worked exceptionally hard to make this delivery a great success.

The **Tech. Design** class is just wrapping up their 3D playground assignments. Starting with concept of "Discovery and Safety" the students have conceptualized, drawn, and modelled their own playground design for children 6 -11yrs of age. These playgrounds have been a huge success – look for these future designs to be popping up in a park near you!



The students enrolled in the Grade 9 **Integrated Technologies** course have been busy completing various projects both designing and creating Photoshop computer work, drafting, orthographic drawing, and building small cars that are powered by mouse traps and crafting acrylic holders for their iPods. The students rotate through each area experiencing different technology teachers and the specialization they offer. Look for their Egg Drop and Mouse Trap car videos on our YouTube channel!

The **Woodworking** classes have been studying the broad range of career opportunities available in the manufacturing sector and their educational requirements. They have been planning and fabricating various projects centred on furniture and household design.



Just a reminder that students wishing to receive a **Certificate of Endorsement** in Technological Education on their Ontario Graduation Diploma need to select additional Tech courses in grades 10, 11 and 12 to acquire a **minimum total of six**.

This Certificate of Endorsement is a ministry document that is recognized by college and university entrance programs.

HEALTH AND PHYSICAL EDUCATION

"Physical fitness is not only one of the most important keys to a healthy body, it is the basis of dynamic and creative intellectual activity" - JFK

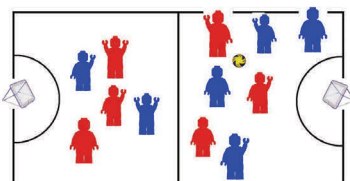
This semester the Health and Physical Education department consisted of: Ms. Coleman, Ms. Norman, Ms. Hewlett, Mrs. Stavakis, Mr. Patten, Mr. Bramer and Mr. Lyttle. The grade 9's explored new games and learned the importance of daily physical activity, while the senior recreational classes continued to participate in a variety of team and individual sports. The fitness classes were active in setting and executing their personal goals, while focusing on the nutritional and positive aspects that relate to total fitness. The Basketball Focus Course, now referred to as Invasion/Territory Sports, had 2 sections this semester, with an expanded curriculum that included football, ultimate, tchoukball and handball.



Long time Markville S.S. Phys. Ed. Teacher, Ms. Norman, is heading into her final semester of teaching. After 25 years of teaching at Markville, she has decided to retire at the end of this year.

Ms. Norman started out as a Fitness Director for 3 years at Agincourt Racquet Club before going back to Teachers College at the University of Toronto. After graduating from Teachers College, she got her first teaching job in the science department at Markham District S.S. In 1991, she joined the Markville S.S. staff as a full-time Phys. Ed. teacher. Over the years she has coached basketball, gymnastics, volleyball, softball and field hockey. Her two main sports were softball, which she coached for 22 years, and field hockey which she has coached for 26 years.

She took up golf 8 years ago and plans to have a very active retirement snow shoeing, golfing, and biking. In her 'down' time, she plans on pursuing her hobby of quilting.



We thank Ms. Norman for her many years of passionate teaching and wish her a very long, happy and active retirement

MARKVILLE LIBRARY LEARNING COMMONS

Anyone visiting our Learning Commons knows this is an important space to the Markville community. You will find students gathering at one of the many conference tables sharing formulas, quietly coloring together, creating origami gifts, reading the latest bestseller, gluing pictures on a display board for an upcoming presentation, or creating paper airplanes in between calculus equations. Our seminar room is often booked with students pacing and practicing for upcoming presentations. Our window benches are 'hot spots' on sunny days for quiet reading. Our evolving Makerspace comes complete with iMacs for video editing projects after time spent on the set with a chroma-key backdrop.



From Left to Right:
Mrs. Wilson, Mrs. Cape, and
Mrs. Sabatini proudly display their
'Movember Moustaches' in support of the
Movember Canada Foundation, a global
organization committed to changing the
face of men's health.



Follow us @msscommons

All levels of our education system contribute to building a digital library. Featured products include:



YRDSB has purchased
GALE's POWER SEARCH.

This database allows K-12
users to search over 20
different databases to
support curriculum.
The password is **york**



The Ministry of Education site

<http://www.edu.gov.on.ca/eng/curriculum/>
provides all curriculum documents as well
as a multitude of other helpful resources.

Here at Markville we are excited to provide JSTOR. This incredible digital library offers our students 24/7 access to a wealth of academic journals and e-books. Having access to this product also provides a 'step up' for our students as this is university's and college's most popular digitized content tool.

Username = **yrdsb**, password=**sonofira**



YRDSB has also purchased access to Curio, CBC's extensive collection of educational programming. In addition to a variety of popular shows, CBC News in Review episodes are now available to stream anytime. Teachers can create playlists and share clips easily. Try it now: <http://www.curio.ca>

LIBRARY LEARNING COMMONS—continued...

Congratulations to all of our hard working students.
Your commitment to excellence is truly commendable.
A special thank you to our volunteer Wes Tan.



Forest of Reading—White Pine Selections—2016

Multiple copies are available for you to checkout!



NEW! - You can now search for all the current and previous White Pine nominated and winning titles using the library catalogue. Select **Advanced Search**, and under the tab **Genre**, select **Young Adult Fiction**. To narrow your search, choose either **Fiction** or **Non-Fiction** under **Location**. Click on any record to see what year it was nominated.

We would love to hear from you! Have you read an interesting book lately, or is there a book you have heard about that you would like to read? Let us know, and we will add it to our list of book requests and recommendations .

Join us next semester!

Hours of operation will be the same as semester one:

Opening daily at **8am** and closing at **4pm** on **Mondays** and **Tuesdays**.

Extended after school study hours are on **Wednesdays** and **Thursdays**, closing at **5pm**.

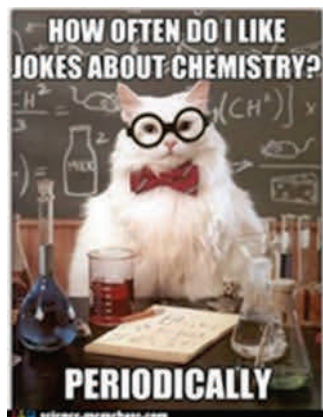
The library closes on **Fridays** at **3:30pm**.

SCIENCE DEPARTMENT

Another semester has come and gone in Markville Science and our students were busy working on scientific thinking, investigation, and literacy skills. In addition to our in-class learning, many of our courses enhanced curriculum with out-of-school field trips and guest speakers. Grade 9s observed the sun with an Astronomer and thought about how humans would survive on Mars. Grade 10s experienced a light and optics workshop and watched an IMAX film on the human body at the Ontario Science Centre. The grade 9 and 10 science classes participated in a science fair, which allowed the students to branch out and investigate areas of personal interest. In physics courses, grade 12 students built devices to safely transport water to a target and the grade 11s used their collective knowledge to build original Rube Goldberg Machines. Not to be outdone, our grade 12 Biology students extracted DNA from fruit while some of our grade 10 students attended the "Coping with Climate Change" workshop given by W.O.W. This experience included an exciting Cap and Trade game to examine one way in which humans are trying to mitigate climate change through political and legal tools.



Next semester, eligible students are invited to participate in the University of Toronto National Biology Competition, the University of Waterloo Chem 13 News Contest, the University of Waterloo's Avogadro Chemistry Contest, as well as the OAPT and SIN contests. We will also be sending teams of students to defend last year's titles at the YRDSB Science Olympics in March!



In extracurricular news, the Science Club students were enthralled with the wonder of liquid nitrogen, joined the 3D printing club for a presentation, and assisted the Eco Club with the annual TD Shoreline clean up.

The Eco Club students saved the world a little by participating in habitat restoration at the Rouge National Urban Park this past semester and are working hard to earn platinum status through Ecoschools Certification.



As we embark on second semester, the Markville Science Department would like to applaud all of our students on their accomplishments this past semester.

CO-OPERATIVE EDUCATION

Congratulations are extended to our first semester students who have completed their Co-op work experiences. We are very proud of the professional way in which our students represented Markville to our Community partners. They have been working as assistants in many fields such as: **Web Developers and Web Designers, Business Administrators, Lawyers, Elementary & Secondary School Teachers, Gaming Programmers, Computer Technicians, Nurses in Child Life Paediatrics, Respiratory Health, Day Surgery, Urology, Geriatrics, Baristas, Artists, Retail Sales and Service Clerks, Accountants, Early Childhood Educators, Make-up Artists, Fitness Consultants, Hearing Aid Specialists, Automotive Service Technicians, Pharmacists, Physiotherapy, Marketing, Sales, and Business Development.** We would like to recognize and thank our many employers for hosting and providing excellent training opportunities for our students. We are grateful for all of your guidance and support.

Congratulations are also extended to our High Performance Athletes this term who have trained and competed provincially, nationally and internationally in badminton, skating and soccer.

A few words from some of our students:

"The people at my workplace really made my co-op experience what it was, and having the opportunity to work with them and see what the real world is like in terms of web development is invaluable."

"I learned to push myself and to step out of my comfort zone. This experience in Marketing has been a confirmation that I do enjoy working in a controlled office environment with a sense of routine. This experience allowed me to further develop my strength of creativity and has allowed me to recognize and to improve upon my weaknesses."

"I enjoyed my entire time at the hospital as each moment there came with a new experience as well as new knowledge. Meeting the nurses and forming bonds with them was incredible. Watching the kid's faces light up when I brought them a toy or organized a craft for them to do made their day and I loved being a part of that. Learning about different illnesses up close as the nurse or doctor discussed each case after examination was definitely a wonderful learning opportunity."



If you are looking to explore a career of interest, gain work experience and build upon your employability skills, or focus your career path with a **Specialist High Skills Major** then Co-op is the program for you. Interviews will be conducted in the spring. The application process is currently underway and an application form can be found online through Career Cruising. We would like to encourage all students to participate in the Co-op program for next year.

TRY IT! WORK IT! EARN IT!

If you have any questions regarding the many cooperative education opportunities that are available, or would like to host a co-op student, please contact the co-op office at 905-940-8840 ext. 227.

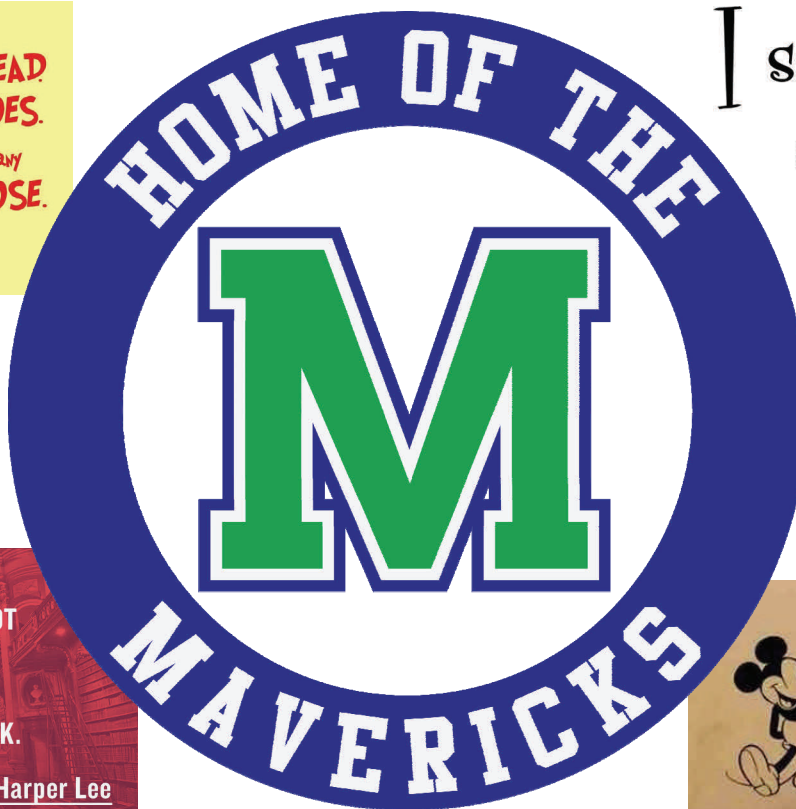
You have **BRAINS** in your **HEAD**.
 You have **FEET** in your **SHOES**.
 You can **STEER** yourself any
DIRECTION you **CHOOSE**.
 ~ Dr. Seuss

It would be
 “so nice if
 something
 made sense
 for a
 change.”

Lewis Carroll
 Alice in Wonderland

THE BOOK TO READ IS NOT
 THE ONE WHICH THINKS
 FOR YOU, BUT THE ONE
 WHICH MAKES YOU THINK.

Harper Lee



I saw you,
 As soon as I knew an
 adventure
 was going to happen.
 — Winnie the Pooh

HAPPINESS
 CAN BE FOUND
 even in the
 darkest of times
 IF ONE ONLY
 REMEMBERS
 to turn
 on the **LIGHT**
 — Albus Dumbledore



"Laughter is timeless,
 imagination has no age,
 and dreams are forever."

WALT DISNEY

Time to use your brain!
 Do you like to break codes and win prizes?
 Find the hidden words within this newsletter to find the secret message.
 Bring the solution in to the library to claim your prize.

Page #	Paragraph #	Line #	Word #	Word
19	1	1	1	
5	5	1	1	
4	3	2	14	
15	4	3	4	
16	5	4	11	
13	1	6	9	
18	1	3	16	
10	3	18	1	
6	2	1	6	

* titles and headings do not count as lines or paragraphs