



# Celtic X-Press

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*Heart of the community, success for each, a place for all.*

## Important Dates Before Easter

Feb. 1	Black History Month Begins
Feb. 5	Semester 2 Begins
Feb. 5—9	Grad Photos
Feb. 8—9	SAC Retreat
Feb. 14	Ash Wednesday D8 Wrestling
Feb 15	Report Card Distribu- tion
Feb. 19	Family Day (School Closed)
Feb. 21	CWOSSA Wrestling
Feb. 22	Grade 10 Family Night University of Waterloo
Mar. 1	St. David Feast Day Mass
Mar. 8	Acoustic Charity Concert
Mar. 12— 16	March Break
Mar. 22	Hoops for Heart
Mar. 26	Multicultural Day
Mar. 28	Progress Report Distribution

## A MESSAGE FROM YOUR ADMINISTRATION TEAM

Time flies!

We have already completed one semester and before we know it, the second semester will be flying by. I find it interesting how the journey of our life is reflected in the weeks and events of school. We all start in September with a dream for how we want our year to be and we work feverishly to achieve our goals in a short time frame.

We must always look back and reflect on our journey – take the time to celebrate our successes (big and small) and review the goals that did not work out the way we imagined. We have much to celebrate as a St. David's community from sports/clubs to arts to faith to academics. When we connect to our community, we are stronger and more successful.

We are looking forward to continuing our journey in second semester and have faith that all can reach their goals.

Mrs. Leusink, Mr. Hinsperger, Ms. Wehrle

## FROM THE DEACON'S BENCH

As we head into Semester Two, we are beginning a very busy time. On Feb. 14 we will have our Ash Wednesday Liturgy to mark the beginning of Lent. Once again we will be participating in our classroom based morning reflections where we share Scripture and a reflection each day to start us on the right foot.

We have several "Class Masses" coming up with Priests from the area coming to celebrate the Eucharist with students and staff.

On Wednesdays during lunch we continue to have a dedicated group that gathers in the Chapel to pray the Rosary. Prayers are offered for individual and school intentions. During March we will have a week of relaxation as we enjoy the Spring Break. We pray that it is a happy, healthy, and safe time for students and staff.

During Holy Week, we will also have our Stations of the Cross on Holy Thursday.

May the upcoming Lenten Season be a time of reflection and prayer for all and may the Easter season be one of celebration and joy.

Deacon Ed, Chaplain

## SCIENCE DEPARTMENT NEWS

The science department offers a wide variety of clubs and contests. Get involved and have some fun with science outside of the classroom!

Science Olympics Club will meet for the first time on Wednesday, February 21 at lunch in Room 212. There are many events for this at all grade levels. The competition is Thursday May 24, 2018 at the University of Western Ontario in London. See any of the science teachers and the bulletin board outside of room 217 for club or event details.

HOSA Canada- Future Health Professionals - Canada's largest health science competition is March 27 – 28, 2018. Contact- Mr. Pellegrini or Ms. Johnson for more information.

University of BC, Michael Smith Science Challenge for Grade 9 and 10 students, written on Wednesday Feb 14, 2018- Contact Mr. Schumacher- First meeting, Wednesday, Feb. 7<sup>th</sup> at lunch in 211

University of Toronto, National Biology Competition, written on Thursday April 26, 2018- Contact Mr. Schumacher

University of Waterloo, Chem. 13 News Exam, written Thursday May 10, 2018- Contact Ms. Johnson or Ms. Bradley

University of Waterloo, Avogadro Chemistry Contest, written Thursday May 17, 2018- Contact Ms. Johnson or Ms. Bradley

University of Waterloo, SIN (Sir Isaac Newton) Physics Contest, written Tuesday, May 8, 2018-contact Ms. Ruck or Mr. Setchell

University of Toronto, OAPT- Ontario Association of Physics Teachers Grade 11 Physics Contest- written Wednesday May 23, 2018- contact Ms. Ruck or Mr. Setchell

## GUIDANCE NEWS

**February 2018**

Follow us for all guidance related information, upcoming events and important dates.

**Twitter: @stdavidguidance**

**Website: <http://stdavid.wcdsb.ca>**

### Course Planning

In February, guidance counsellors will be visiting all classes to advise students on course selections for the 2018-19 school year. Students are encouraged to dialogue with their current teachers regarding course level recommendations. Also, during the week of February 19-23 guidance counsellors will be available in room 107 at lunch to assist students with their course planning. The website to research and select courses [www.careercruising.com](http://www.careercruising.com). Course selections are due on **February 23, 2018**.

### Post Secondary Planning

The deadlines to apply to OCAS for Ontario Colleges and OUAC for Ontario Universities have now passed. Students who have applied are strongly encouraged to access their accounts online and ensure that their personal and academic information is accurate. Offers of admission will also be communicated through their online application accounts.

### Graduation

There will be a meeting for all 2018 Graduates on **Friday February 16, 2018** in the lecture hall. Payment and forms for graduation will be available online only following this meeting.

Graduation Ceremonies will be held on

**Wednesday June 27, 2018 at 7 pm at the Waterloo Recreation Complex.**

### Summer School

Summer school information will be available in the coming weeks as it becomes available from our education partners. Information regarding summer school sign up will be given during morning announcements.

## CHARITY DODGEBALL TOURNAMENT

The Recreation and Fitness Leadership Grade 12 class organized the annual Charity Dodgeball Tournament on Wednesday, November 29th. Students throughout grades 9-12, even “fifth years” came out to enjoy this fun filled day for a great cause. The organizers spent weeks organizing this tournament and could not have been happier with the outcome. The turnout for the event was amazing with a total of 23 teams and approximately 300 students who attended.

The charity chosen for this tournament was the “Out of the Cold” Foundation. “Out of the Cold” is a charitable organization that provides a place for those who are less fortunate to come out, enjoy a meal, and be in the company of other people. We were able to give them a donation of \$2410.00 which will go towards buying food, socks, bus tickets for those they help, toiletries, and other necessities.

Each team that participated was required to pay a minimum of \$100 to go towards the charity. Teams were also asked to dress up in fun and exciting costumes to provide that extra bit of fun and excitement to the experience. Teams arrived at the gym near the end of lunch in anticipation to the start of the tournament during period 3 and 4. Everyone who participated was enthusiastic and into the game which made for an overall great experience for everyone involved. Another highlight of the tournament was being able to get CTV news to come out. They took videos of games and our school was shown on both the 5 o’clock and 6 o’clock news to promote the cause of our tournament.

A big thank-you to everyone who came out to participate and make this day a huge success.  
Aislinn Panchaud, Grade 12 Rec. and Fitness Leadership student



## TIMMY ROSE - CHELSEA ALVAREZ MEMORIAL BASKETBALL GAMES 2018

**TIMMY ROSE - CHELSEA ALVAREZ  
MEMORIAL BASKETBALL GAMES 2018**  
FRIDAY, FEBRUARY 9<sup>TH</sup>, 2018 - NOON & 2:00 P.M.

ST. DAVID CATHOLIC HIGH SCHOOL GYM  
4 HIGH STREET, WATERLOO

DONATIONS CAN BE DIRECTED TO THE  
CHELSEA ALVAREZ MEMORIAL  
SCHOLARSHIP FUND  
AT CONESTOGA COLLEGE



## STUDENT ACTIVITIES COUNCIL (SAC) UPDATE

Can you believe it's the beginning of a new semester? SAC has had a busy few months with our Christmas assembly and Christmas week activities just before the break and a focus on mental health and stress in January as we move into final evaluations.

Our St. David Let's Talk day, spin your stress away activities in the cafeteria and first semester study night were well attended and received by students as a way to prepare themselves in all aspects for exams.

We look forward to many exciting events in the works for second semester. Our Hoops for Heart tournament in March, Multicultural Week, and semi-formal in April to name a few. Mental Health Week and Catholic Education Week will finish out April and move us into May. Stay tuned for details about these exciting events to come and we look forward to seeing you there!

## ST. DAVID ATHLETIC COUNCIL

Hey Celtics!

These past few months have been a busy but exciting time for St. David's Athletic Council.

We had our intramural Dodgeball All-Star game where some of our best student teams competed against The Tragically Fit, our teachers team! We also had our BUMP contest at lunch on January 19th. Intramural Ball Hockey has started up on Thursday nights continuing until the end of February. You can check out this link <https://t.co/co3zcQ59uc?amp=1> to see more updates about intramurals and some great pictures of Celtics participating in intramurals!

Athletic Council member Grace Solylo







## Parent Night with Dr. Jen Forristal

**Umbrella Parenting: Empower your child to take on life and develop the positive coping skills they will need for health, happiness and future success.**

**Tuesday, February 27, 2018**

**St. Agnes School**

**6:00 – 7:00 p.m.**

Light refreshments will be provided

**"Success is an open umbrella"**

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**Please RSVP by emailing [Sherry.McGlynn@wcdsb.ca](mailto:Sherry.McGlynn@wcdsb.ca) and indicating number of adults that will be attending.**

**<http://www.umbrellaproject.co/>**

THURSDAY, FEBRUARY 22, 2018 — 6:30 PM TO 10:30 PM EST

THURSDAY  
FEB  
22

# THINKING OF UNIVERSITY?

## Check out Grade 10 Family Night

Parents and students welcome

Learn about

- applying to university
- studying what you love
- financing your education
- tips from current Waterloo students

### WHERE

Applied Health Sciences (AHS)  
& Mathematics 3 (M3)  
University of Waterloo

### WHEN

Thursday, February 22  
6:30 pm

<https://uwaterloo.ca/future-students/grade-10-family-night>

### REGISTER TODAY

[uwaterloo.ca/future/grade-10](https://uwaterloo.ca/future/grade-10)



UNIVERSITY OF  
WATERLOO



THURSDAY, FEBRUARY 22, 2018  
6:30 PM TO 10:30 PM

Grade 10 students and parents are invited to an information session to learn about applying to university and finding a program you love.

Current Waterloo students will offer tips about what they wish they knew about university while still in high school.

Registration is now open.

UNIVERSITY OF  
**WATERLOO**

## 2018 BISHOP'S BANQUET



# Bishop's Banquet

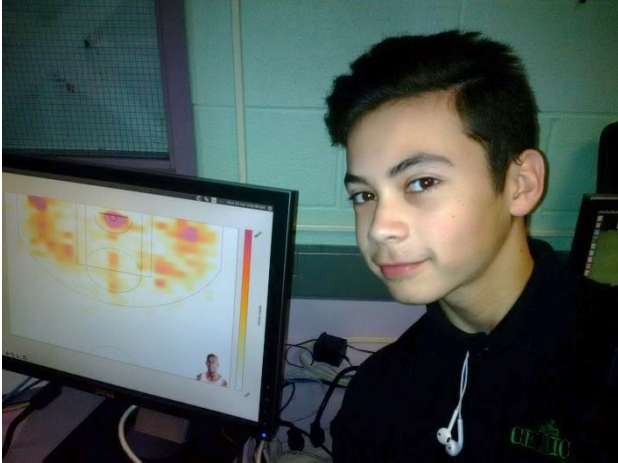
Tuesday, May 1, 2018

Waterloo Region Catholic Education Centre

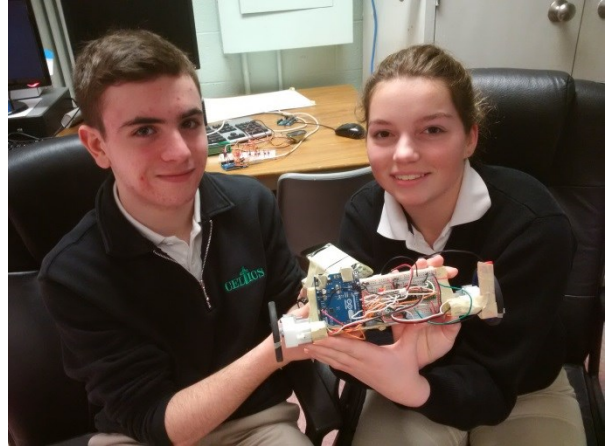
## GRADE 11 COMPUTER ENGINEERING (TEJ3M) FINAL PROJECTS

In lieu of a written exam, computer engineering students spend several weeks completing a self-selected, self-directed final project. The main criteria are:

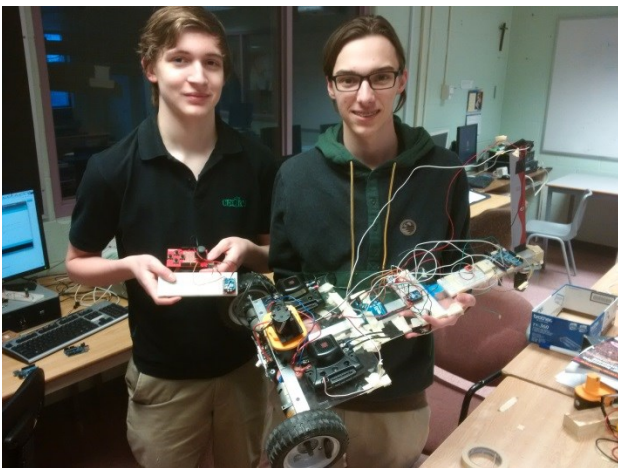
- Make something cool that has power going through it.
- If it works the first time you throw the switch, I'm taking marks off.
- Break one thing at a time.



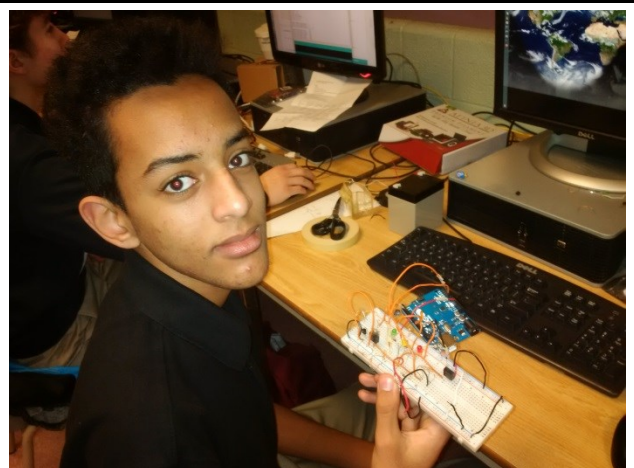
**NBA Shooting Charts in Python** - Gregory Kelly used the Python matplotlib module to plot a heat map of statistical data pulled on demand from the web. Shown here are the places where you are likely to find Michael Jordan successfully making a shot in a particular season. Plan your defences accordingly.



**Swagway** - Nicolas Frisella and Kandace Reitzel worked to solve the dreaded inverted pendulum problem using an accelerometer, remote control module, Arduino, H-bridges, and two underpowered motors.



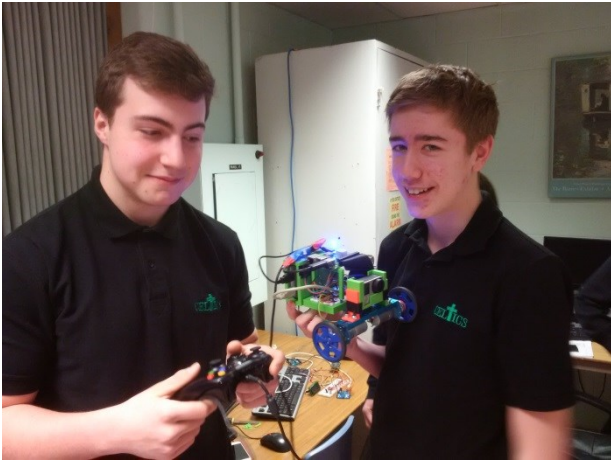
**Self-Driving Car** - Chris Faclaris and Sean Tank used XBee wireless, I2C, analog, and TTL serial connections to interface the ultrasound rangefinder, compass, GPS, and joystick remote to the on-board navigation computer. Pro tip: Troubleshooting a GPS in January is not fun.



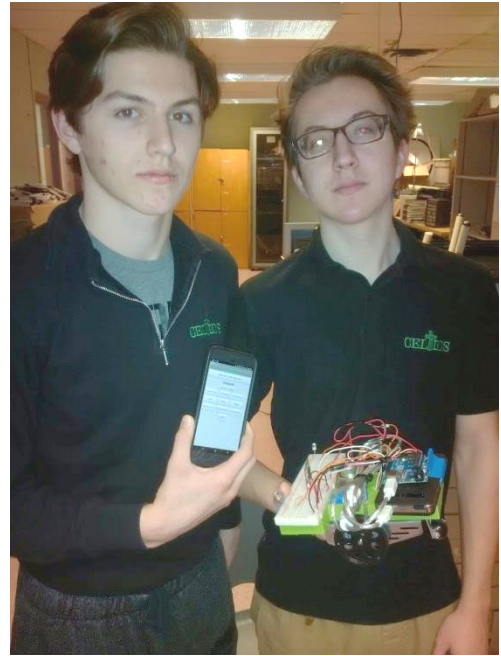
**Solar Charge Controller** - Daniel Zenebe built a battery charge controller for an off-grid solar power system using an Arduino, MOSFET, and various passive components.



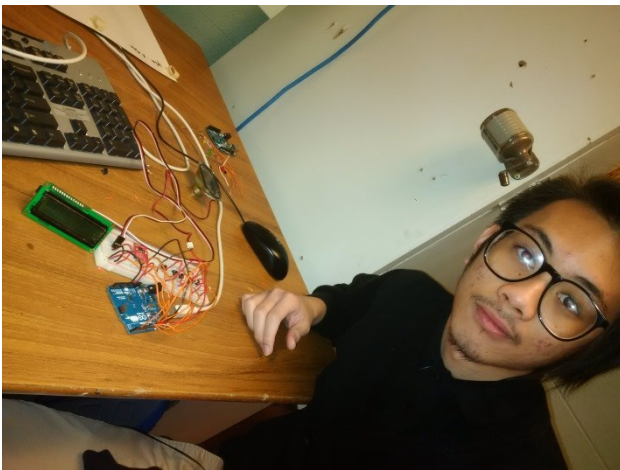
## GRADE 11 COMPUTER ENGINEERING (TEJ3M) FINAL PROJECTS (CONTINUED)



**Dave MK. 1** - Jake Durrer and Michael Pfeifer built a Raspberry Pi controlled car with a 3D printed remotely tilting Go-Pro camera mount. Python code mapped the Xbox controller input to the PWM signal outputs used to drive an H-bridge motor control chip.



**Bluetooth Arduino Car** - Quinn Mrowka and Brett Springer built an Android app using AppInventor to drive their Arduino-controlled car over a Bluetooth connection. Part of the chassis was 3D printed.



**Arduino Alarm Clock** - Jared Tapia built an alarm clock using an Arduino, real-time clock module, speaker, and LCD display.

## BELL LET'S TALK DAYS

We celebrated Bell Let's Talk Day twice at St David this year. Given that the 31<sup>st</sup> was an exam day, we took the opportunity on January 24 to encourage students to tweet/post/watch videos and share positive ideas about mental wellness in an effort to reduce the stigma that prevents so many people from getting help.

Bell has 5 suggested pillars in their campaign to help reduce the stigma associated with mental illness - language matters, educate yourself, be kind, listen and ask, talk about it. We used January 24 to highlight those pillars by having students read announcements during each period of class with advice about being kind, using appropriate language, and where to get help both at school and in the community.

We also made suggestions about how to cope with exams. Students signed a full size banner with positive messages and made posters with positive messages on them. All of those were tweeted on the 31<sup>st</sup> in order to be part of the financial contribution.

On the 31<sup>st</sup>, more than 31 million posts were made in support of this campaign, meaning that Bell will donate in excess of \$6million to mental health initiatives.

