

Zooming to have Nspired Math Google Meetings Remotely

Weekly Wednesday Webinar Canadian Series

Wednesday, April 1, 2020

7:00 – 8:00 p.m.

Tom Steinke

- Educational Technology Consultant – Canada
- Texas Instruments – Education Technology Group
- Ottawa, Ontario, Canada
- tsteinke@ti.com
- 613-601-6535



Chris Atkinson

- Math Department Head
- Sacred Heart High School
- Stittsville, Ontario, Canada
- chris.atkinson@ocsb.ca

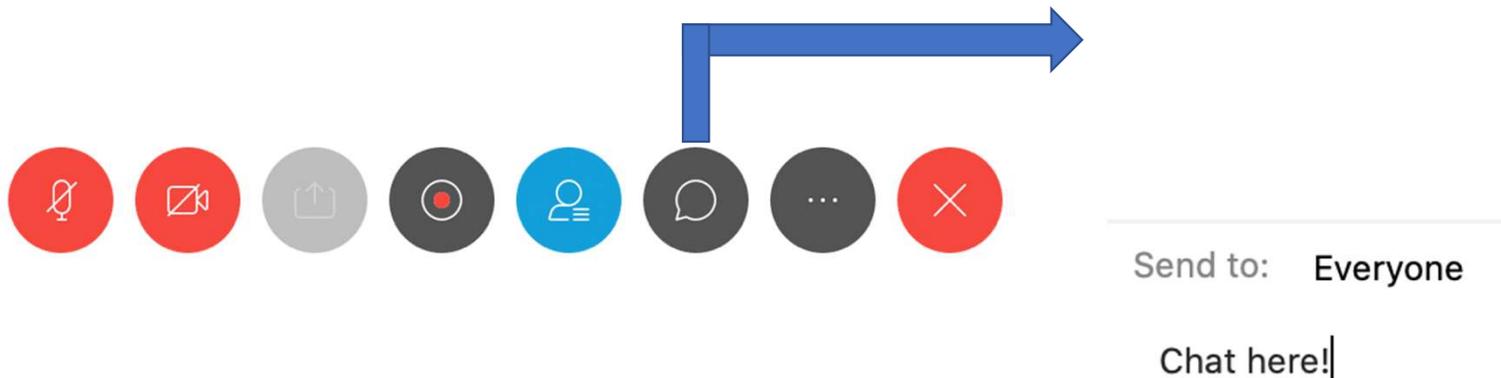


Session at a glance ...

- Chris will share how he schedules and uses Zoom and Google Hangouts Meet to maintain a human connection with his math department members and students as he supports them transition to remote learning
- Tom and Chris will then share how they use the TI-Nspire™ CAS App for iPad® to help introduce modelling linear systems from Olympic data and modelling quadratics using photos

We want to hear from you ...

- During the Webinar, we will monitor the Chat and try to be responsive to ideas and questions that surface
- In addition, we will get feedback from you to inform how we modify and adapt our Webinar focii



I teach...

The image shows a close-up of handwritten mathematical work on a grid background. The text is written in black ink and includes several lines of algebraic expressions. The most prominent line is $(5-5)(A)$ at the top. Below it, there is a line that appears to be $(Ax - (2-5x + 2x) + 2)$. At the bottom, there is a fraction $\frac{(x+5)}{5}$. The handwriting is somewhat slanted and the image is slightly out of focus.

$$(5-5)(A)$$
$$(Ax - (2-5x + 2x) + 2)$$
$$\frac{(x+5)}{5}$$

I teach kids ...



Maintaining human connections ...

- Modeling for math department
- Scheduling Zoom and Google Hangouts Meet
- How has it gone so far

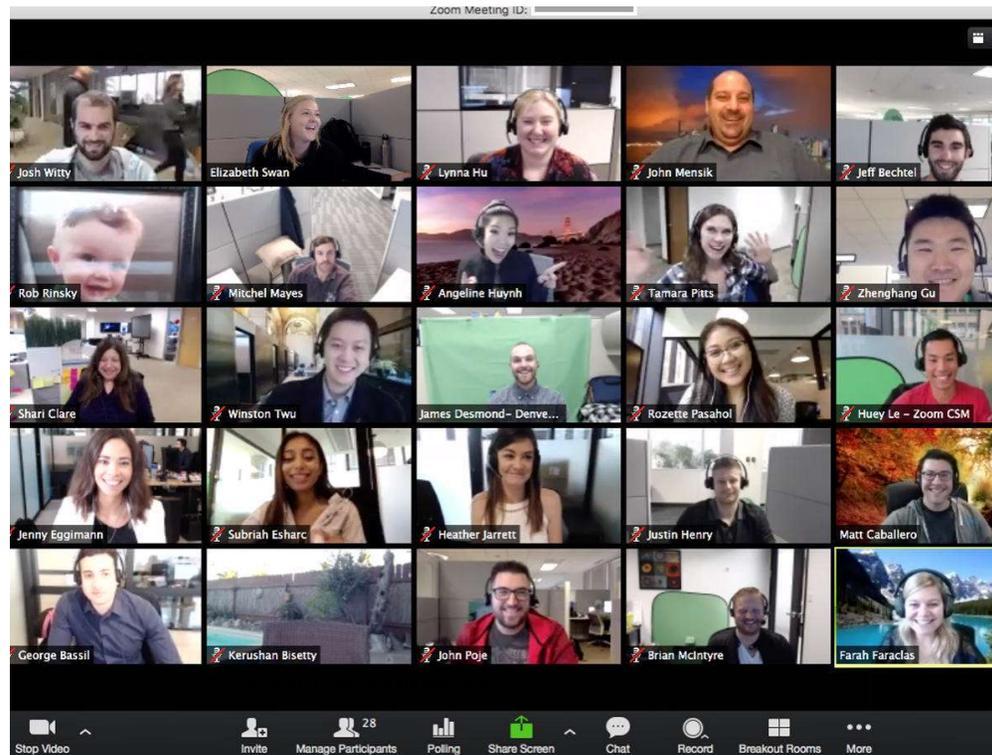


zoom



Hangouts Meet

zoom





Hangouts Meet

A screenshot of a Google+ Hangouts Meet interface. At the top, the text "Google+ Hangouts" is visible. Below it are tabs for "Chat", "Invite", "Apps", and "Screenshare". The main area shows a screen share of a seafood market counter with various fish and price tags. One tag clearly shows "1.25 LBS WHOLE COOKED LANGRIS SCAB" for "17.99". Below the screen share is a "People" section with five video thumbnails of participants. At the bottom, there is a red progress bar showing "0:38 / 0:59" and various control icons like chat, settings, and window management.

Check in on the Chat ...

∨ **Chat**

Send to: **Everyone**

Chat here!

← Thread



Karen Lew
@KarenLewTDSB

I hope that school boards, inc mine @tdsb, federations inc mine @osstf, & the @OCT_OEEO, will be proactive in giving teachers guidance about some of the implications for ethics and legalities before transitioning to elearning from F2F. Just a few that warrant addressing:

10:57 PM · Mar 28, 2020 · [Twitter for iPad](#)

53 Retweets 200 Likes



Karen Lew @KarenLewTDSB · 18h
Replying to @KarenLewTDSB

- 1) Protecting S and T data and privacy (allow opt out of video/photo, consider how someone might record/distribute images of Ss and Ts and their homes/families from synchronous sessions) Some districts are forbidding synchronous
- 2) copyright
- 3) duty to report

2

3

50



Plan for ...

- More time than you thought
- Less content than you would have wanted
- Slower adoption than you expected



education.ti.com

[Sign Up for TI Emails](#)

Search



Education Technology

[Products](#)

[Downloads](#)

[Activities](#)

[Professional Development](#)

[Resources](#)

[Customer Support](#)

[Where to Buy](#)

[About Us](#)

[Site US and Canada](#)

Free software for online learning

To support teachers and students, we are offering free six-month subscriptions to TI software.

[Download now »](#)



[COVID-19 Support](#)

[Test Resources](#)

[STEM Resources](#)

[Which Calculator is Right for Me?](#)

Covid-19 Supports



Education Technology

[Sign Up for TI Emails](#)

[Products](#) [Downloads](#) [Activities](#) [Professional Development](#) [Resources](#) [Customer Support](#) [Where to Buy](#) [About Us](#) [Site](#) [US and Canada](#)



COVID-19 support

Due to a heightened need for online resources as a result of the coronavirus, we are offering several free resources to help students and teachers continue teaching and learning remotely.

Available resources

Computer software: Free six-month subscriptions

[Select software for teachers »](#)

[Select software for students »](#)

iPad® solution

We have temporarily made the [TI-Nspire™ App for iPad®](#) and [TI-Nspire™ CAS App for iPad®](#) free for download in the app store until the end of April 2020.

Chromebook™ notebook computer solution

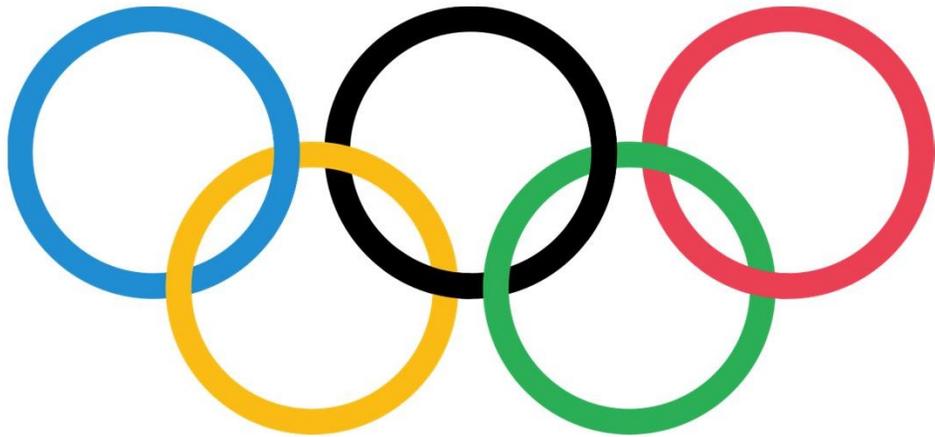
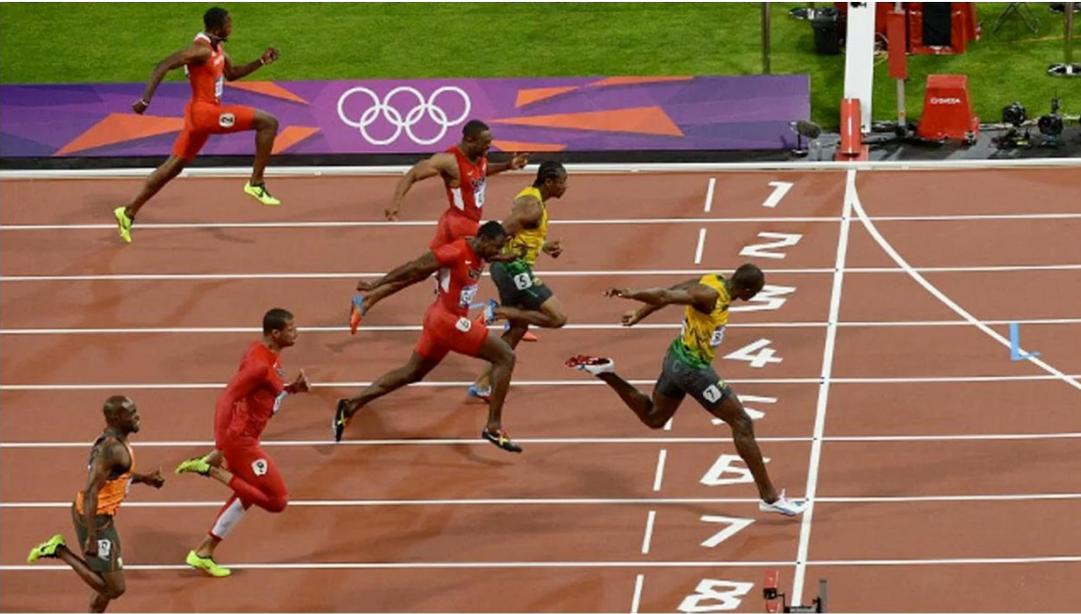
For a limited time, TI is offering schools a free trial of a beta version of the TI-84 Plus CE Chromebook App to support remote learning. This app is a temporary solution to support schools and districts that have closed due to COVID-19. This trial is valid through August 15, 2020. Please [complete this form](#) for more information.

TI-Nspire™ CAS App for iPad®

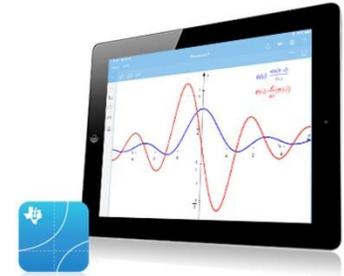
Texas Instruments, the No. 1 recommended brand in graphing calculators, now offers its most powerful graphing technology in an all-in-one Computer Algebra System (CAS) app for iPad® that makes teaching and learning math more engaging, meaningful and ... fun!



TI has temporarily made the TI-Nspire™ CAS App for iPad® free for download in the app store until the end of April 2020



Olympic Linear Systems

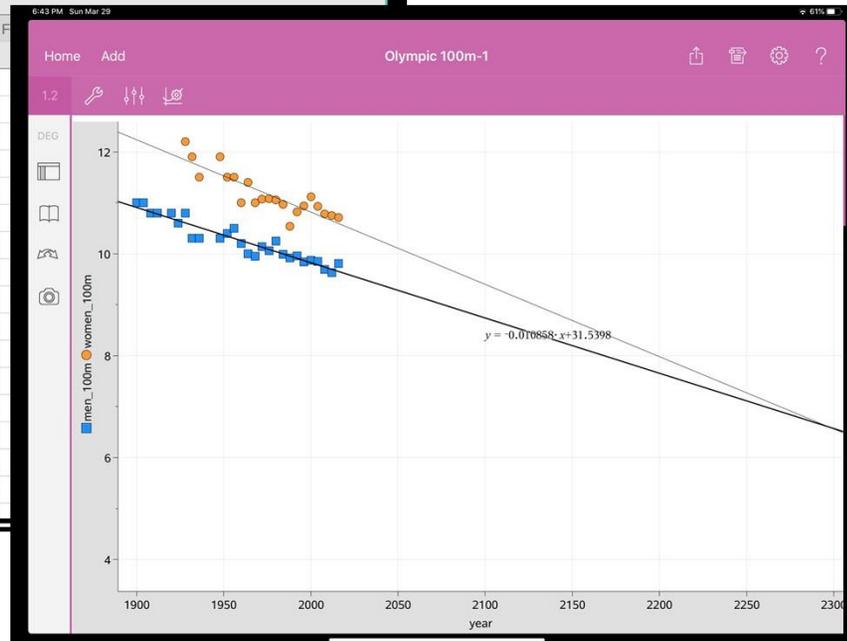


6:24 PM Sun Mar 29

Olympic 100m-1

1.1

A	year	B city	C altitud...	D men_...	E wome...
1	1900	Paris	300	11	—
2	1904	St. Louis...	455	11	—
3	1908	London	245	10.8	—
4	1912	Stockho...	144	10.8	—
5	1920	Antwerp	16	10.8	—
6	1924	Paris	300	10.6	—
7	1928	Amsterd...	5	10.8	12.2
8	1932	Los Ang...	330	10.3	11.9
9	1936	Berlin	110	10.3	11.5
10	1948	London	245	10.3	11.9
11	1952	Helinski	39	10.4	11.5
12	1956	Melbour...	114	10.5	11.5
13	1960	Rome	95	10.2	11
14	1964	Tokyo	30	10	11.4
15	1968	Mexico C...	7347	9.95	11
16	1972	Munich	1706	10.14	11.07
17	1976	Montrea...	90	10.06	11.09



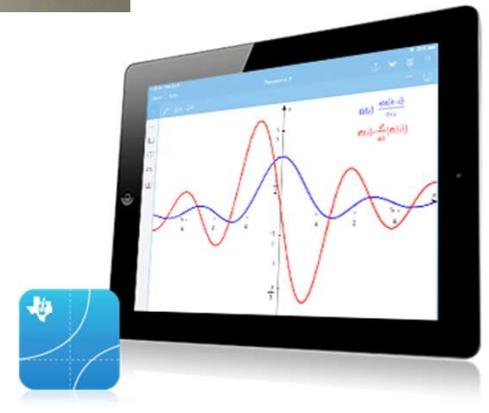
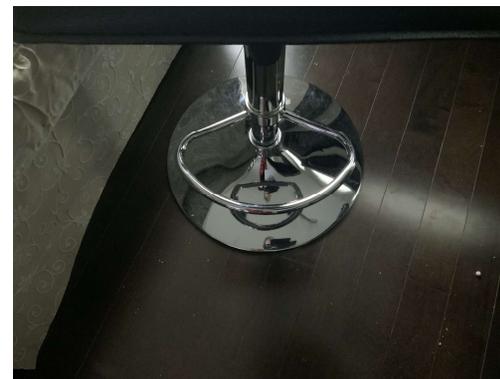
6:44 PM Sun Mar 29

Olympic 100m-1

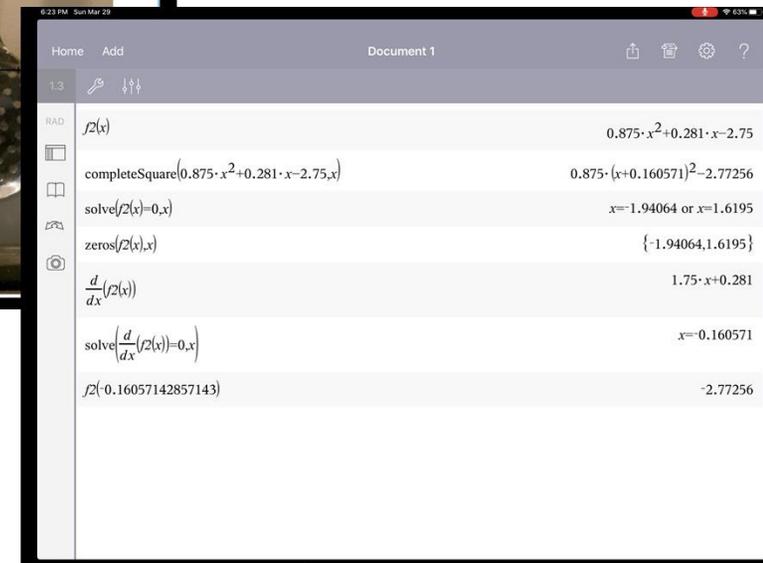
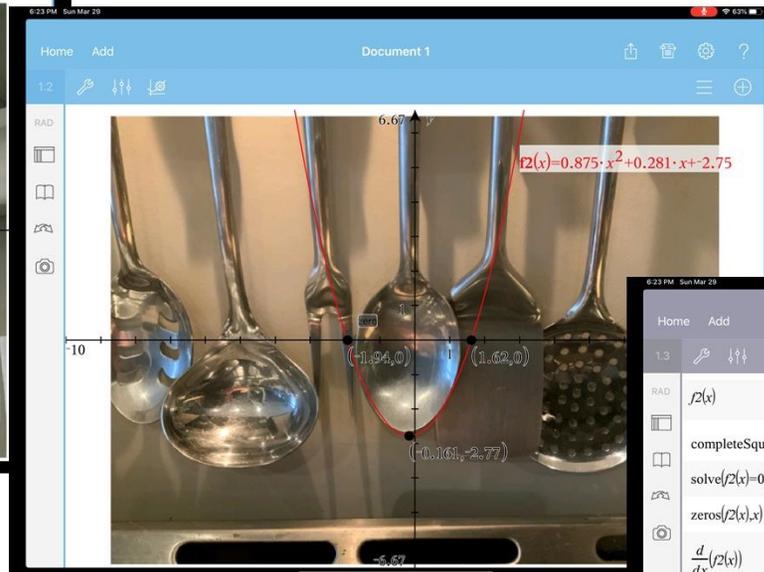
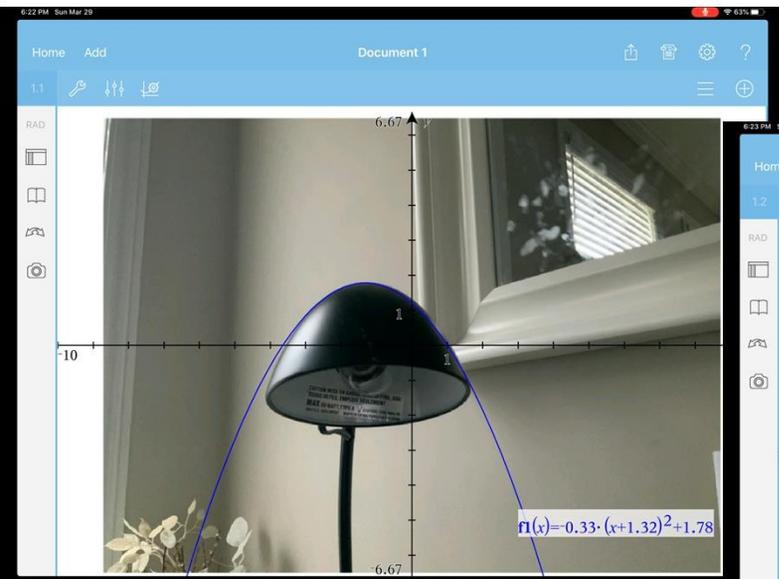
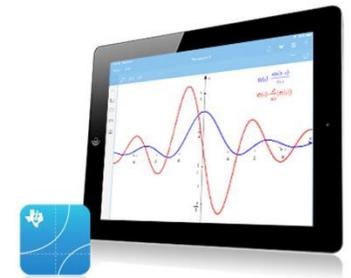
1.3

stat.RegEqn(x)	31.5398-0.010858·x
stat.r ²	0.901406
stat.RegEqn(x)	39.1882-0.014185·x
stat.r ²	0.751324
solve($\begin{cases} y=31.539833410048-0.010857867436179 \cdot x \\ y=39.188164468747-0.014185027339981 \cdot x \end{cases}$, {x,y})	x=2298.76 and y=6.58024

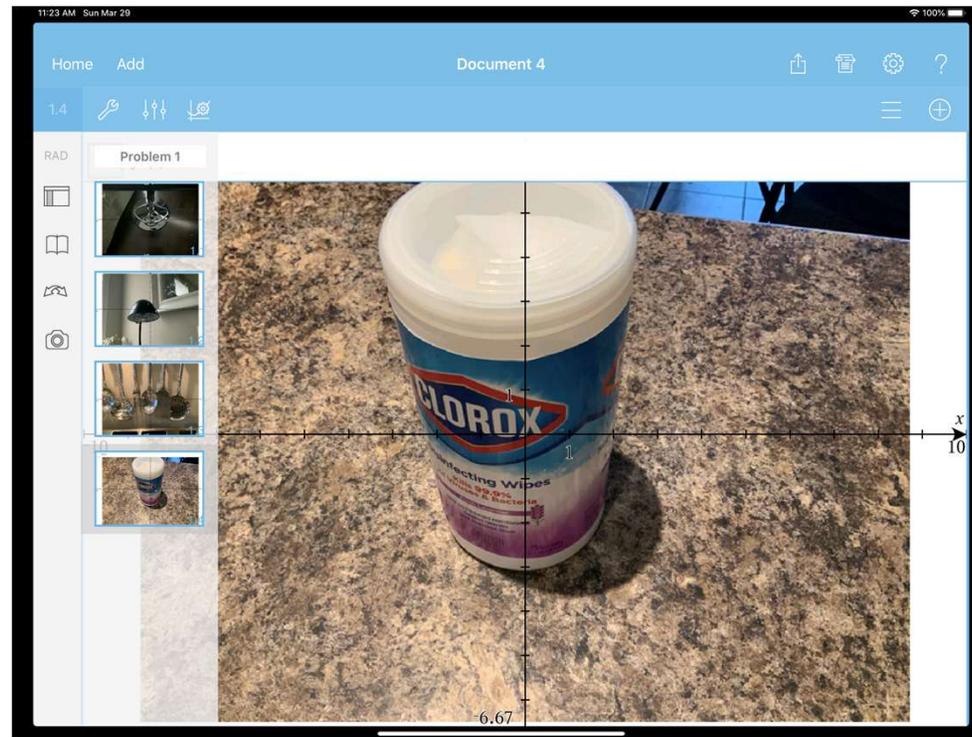
Modelling Quadratics with Pictures



Modelling Quadratics with Pictures

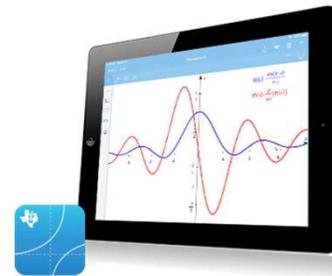


Modelling Quadratics with Pictures



Bi-Weekly Wednesday Webinar Canadian Series

- Wednesday, April 15th
- Wednesday, April 29th



education.ti.com

- Chris Atkinson
- chris.atkinson@ocsb.ca
- @chrisatk



- Tom Steinke
- tsteinke@ti.com
- @tomsteinke
- 613-601-6535

