



E-VIEW

The Journal of The British Columbia Technology Education Association

December 2015

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Door Decorating Middle School Style



**The fun you can have with your students when
your Advisory Group is held in a woodshop!!**

President's Message



Since the conference there has been quite a bit happening. The main items are: the completion of the K – 9 Applied Design, Skills and Technologies (ADST) draft document, (still waiting for it to be posted for comment), the

ADST writing team starting on the 10 – 12 curriculum, Career Education Society annual conference, ITA youth day, writing teams being established for 3 new Skills exploratory modules.

The ADST writing team shared a lot at the BCTEA conference on what the process was like and how the curriculum is being organized. There were

over 80 members attending this discussion session. As expected, many want to be heard with their perspective. The writing team handled the questions well, and have been trying to direct the writing of the new curriculum with these in mind.

The largest challenge it seems is trying to satisfy the four different elective areas, Business, Information Technology, Home Economics and Technology Education. The curriculum competencies, which the writing team did share with us, seem to have created the most discussions. Many sent in responses to the BCTEA executive, and through discussions with the writing team, we are trying to be broad to accommodate the many different competencies taught. In the end there will be very limited learning outcomes in comparison to what we have had in the past in IRP's. As in all subject areas, the intention is to free up the teacher to deliver the best program for students in their school. The bottom line for us is we are an elective, so we had better make it a fun and interesting class. The K – 9 cur-

riculums, of which we are mainly concerned with in our traditional grades 8 and up, does try to engage students more. What we will need to see is some good examples of implementation. Next year's conference should be able to provide workshops on this. The grades 10 – 12 curriculums seem to be heading more in the direction of our previous curriculum's skill development. This fits nicely with the skills exploratory courses that are trades related, and we all know that trades are almost all skill based. The writing team has scheduled days over the spring time and should have the senior draft out by the end of spring.

The Career Education Society hosted their annual conference November 23 and 24th. What is sur-

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prising is the number of Tech Ed teachers that are working in school Career centres in capacities such as work experience, secondary school apprenticeship and ACE IT. It does seem quite logical, as most career centres are based around funding from the ITA for pro-

grams like SSA and ACE IT. As an association, we need to keep in close contact with Career program teachers as most students going down a trade's route start in Tech Ed class and after many Tech Ed courses, transition into ACE IT programs. What we need is a bit of funding to be directed towards Tech Ed to assist in the process of building the skills for these future trades people.

The Industry Training Authority, ITA, holds their youth day backed up to the CES conference, as many Career teachers attend both. I have attended these days for over 6 years now, and I have often wondered why Tech Ed seems to be missed in the process of exciting and preparing youth for a trade. Well it seems like this is changing, as the ITA recognizes the importance we play. What ap-

President's Message Con't

appears to be the challenge is that the ITA is governed by a different ministry than our Ministry of Education. This requires a lot of people working collaboratively with a common vision. We have seen the implementation of the new Skills Exploration course, which was jointly written with support by the ITA and the Ministry of Education. We have seen some funding from the above jurisdictions towards tooling and teaching resources for this course. The BC Construction Association distributed over a million dollars worth of tools and equipment for trade's related courses. The ITA also put a lot of funding towards younger students in support of YES 2 IT and Maker Space events. In theory most of our school districts are doing fun hands on events to get younger kids thinking about a trade, so this should aid us in attracting students into our courses. The question may be how do we link most effectively with these efforts?

The next step the Ministry of Education and the ITA are embarking on is the writing of 3 new skills exploratory modules, Drafting, Machining and Coding. To better get a grasp on the Coding module to be written, I did a bit of research and coding really seems to fit better with Information Tech-

nology department. I am not very aware of Tech Ed teachers that are having their students writing code in one of our ministry courses. In the process of figuring out more about coding I went to the Computer Using Educators of BC (CUEBC) web site. The link is provided here

<http://cuebc.ca/cue/cuebc-conference/>

Interestingly at their conference you can see there is overlap between their teaching areas and ours. They offered workshops in Arduino, Robotics, 3D printing, and coding to name a few. This falls into the discussion about how broad a Tech Ed teacher is expected to be. Tech Ed seems to have members doing everything from Maker Space to Trades training, with a whole bunch of courses in between. At some point we may have to look at what should be expected from a Tech Ed teacher, and what those shops should be equipped with to deliver courses.

Looking ahead, we have a new group to work with on the executive. We are all taking on some interest area to focus on this year. Over the winter and spring you will see information generated by this work and shared through our newsletter and web site.

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New Executive Members

Ryan Harman

Member At Large - Conf. Registrar



My name is Ryan Harmon and I am honored to be elected as a Member At Large for the BCTEA executive. My duties include registration for the annual conference and assisting the executive with monthly teleconferences and various policy throughout the year.

I have been teaching primarily Metalwork in Maple

Ridge School District #42 for the past 11 years. During that time, I have acted as department head, staff rep., district mentoring teacher, BCTF Peer Support Service Consultant, and have hosted student teachers. I have also acted as Conference Chair for the 2009 BCTEA annual conference.

I am excited to teach my students life long skills that build self esteem, character, and help prepare them for the workforce. I do this through fun, innovative projects that are often "out of the box." I look forward to my new role on the BCTEA executive to share my ideas and passion for teaching.

Devin

Secretary



My name is Devin Burroughs and I am the newly elected secretary for the BCTEA. I graduated from UBC Okanagan and have been teaching for the last three years in School District 69 Qualicum and School District 67 Okanagan Skaha. Although I have been teaching for a short period of time I have taught a wide variety of subjects including: Automotives, Power Tech, Wood, Metal, Robotics and Middle School Technology Education. Outside of my own teaching, I have helped integrate makerspaces into elementary classrooms through the introduction of maker carts, maker days and a project focused intermediate program in School District 69. At home my commitment to my work continues with my home built CNC router, 3D printer and multiple robotics kits.

I am very excited to see the direction the BCTEA has

been moving in the past year and hope that I can help continue moving technology education forward. I have made it my goal to create stronger connections between post secondary's, the BCTEA and potential practicum teachers. This will allow teacher hopefuls to have a better understanding of what they are getting into and create stronger new teachers coming out of these programs. In addition, with the news of the new teacher certificate that allows existing journeymen to use their training as credits towards a trades teaching degree I feel current teachers with journeymen status are being overlooked. I want to work with the TQS to have current technology education teachers with journeymen status to be allowed to use their training towards receiving a fair pay scale for their additional knowledge and training.

I would like to thank you for your support and am looking forward to representing you.

Brad Purves

Treasurer



I am in my 18th year of teaching. Other than a short stint in Alberta, I have been working in school district #36, Surrey. I am currently at Queen Elizabeth teaching Woodwork, Metalwork, Electronics, and Automotive. I have been active on our LSA Executive for many years as well as the PSA Executive for several years.

I will continue to work hard and raise awareness in my classroom, in our LSA, and in the PSA as to the value in Technology Education classes. We provide such an important option to students whether it is for general interest, laddering in to trades training, or even simply to provide a space for students to experience learning hands-on. I look forward to working with the PSA members and executive.

District Reps Meeting

October 22nd

Written by: Dan Hurd

The BCTEA District Rep meeting was held, as always, the day before the yearly conference. The meeting this year had representation from roughly 20 different districts and partner groups. We had great presentations from Zale Darnel, Russell Evanisky, and Nigel Reedman on the new curriculum writing process and a bit of a glimpse into its content. Tim Winkleman, from the ministry, also spoke about the province's Education Blue Print.



for Red Seal trades people and Jordan Perrault, who works for the BC Construction Association, discussed how the BCCA are supporting our school shops. Finally, we had our yearly report from the post secondary institutes that train new shop teachers.

As a long-time member of the District Rep committee, I would like to encourage every district to send a representative to this meeting. The District Rep meeting is a great opportunity to find out what is happening in the province, let others know what is happening in your district, network with others, and have a good time with like-minded individuals.



Shawn McMullin, from the Teacher's Regulation Branch, presented the new teaching credentials



BCIT and UBC Student Awards

Each year BCIT and UBC recognize their top students at the October Conference. The following 4 individuals received their awards during the afternoon annual general meeting.



Mike Doyle—Vern Fuches Memorial Award - (Top Automotive Student)



Valentin Pontier - Ron Seal Award - (Top BCIT Student - non trades background)



Calvin Patterson - Tommy Quayle Award - (Top BCIT Student - with trades background)



Abraham Kang - Top UBC Student Award

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ACE IT, Careers and Shop Classes

A trades profile and how important we are to kids....

BY STU RHODES (original Article Dec 6th, 2013)

When I tell people I work at *Capital*, the Ford dealership in Dawson Creek, they usually say something like, "So, um, do you work at the front desk?"and I say, "No, I'm a mechanic. I work in the shop!"

And so she does! After completing the Auto Service Technician foundation program at Camosun, Genevieve Byl moved to Dawson and embarked on a career pathway that she started at Stelly's high school, and hopes will take her all the way to getting her "Red Seal" as a qualified journey-person. But that's not all; she is already taking lots of on-line dealership courses and hopes to also acquire her diesel technician qualification as well.

While she tells people she is an apprentice *mechanic* she admits that she is really training to become a *technician*. She went on to say how mechanics really just fix things. Technicians, on the other hand are much more analytical and try to determine why things broke in the first place and then remedy that problem before executing the less complex repair. "I like to get to the root of things," she said. Interestingly, her supervisor at Capital Ford, Sam Malkoc, heaped praise upon Gen for that very thing. He's impressed with her problem solving skills and her ability to sequentially plan the tasks ahead of her.

When asked about the rigors of becoming an auto service technician he said he expects that it is probably way harder to get a Red Seal these days than most degrees because in addition to having to possess exemplary numeracy and literacy skills, you need to be able to problem solve, and more importantly, you need to be a productive member of an enterprising team who has the appropriate work ethic to go with! In addition to all this, Gen comes to work every day with a smile on her face and a happy disposition. To sum it all up he said, "She has

the right attitude." When asked about Gen's non-traditional role as a young woman in a male dominated trade, Sam said, "Gender means nothing to me. It all comes down to ability and commitment." He sees Gen showing both on a daily basis at Capital Ford.

This comes as no surprise to Gen's proud parents, Mike and Winn, who echoed much of what Malkoc has said. Both agreed she has always been very analytical, which is probably why she is doing so well.

It takes a community to build a child and Gen credits many of the influential people in her life for helping her get to where she is today. "My auto shop teacher at Stelly's, Mr. Sukut, really encouraged me, and all the instructors at Camosun were great. My older sister Andrea helped set the stage by exploring the trades before me. And when I started at Capital, Sam gave me a little pep talk and told me to set the bar really high for myself."

When asked what she likes most about her trade, Gen said, "I'm constantly learning. Sometimes it's almost overwhelming, but I love it!"

"My auto shop teacher at Stelly's, Mr. Sukut, really encouraged me....."

