



E-VIEW

The Journal of The British Columbia Technology Education Association

October 2015

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- BCTEA Goal for 2015/2016
- BCTF Budget printout
- Conference Updates. Click on the links below to go to the BCTEA Web-site for the most recent changes to the following:
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The start of a new Era for Technology Education?

Applied Design, Skills, and Technologies K 1 2 3 4 5 6 7 8 9

Core Competencies

Big Ideas

Learning Standards

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Content

Woodworking

Metalworking

Power Technology

Electronics/ Robotics

We need your input.....

President's Report



Challenges and changes, that is the norm. I have enjoyed my first year as president. My goal was to help Technology Education teachers work together as we address change. For many of us we can either remember the good old days of shop class, either teaching them or being a student.

Change is difficult and it happens

whether we like it or not. We have increasing class sizes in our shops, decreasing material budgets, expectations to teach traditional shop classes, and be current with technology. To top all this off, youth of this generation are different from the last generation. We are undergoing changes in education, which is to be expected. Information is doubling every 18 months, technology is propelling us to work and teach in different ways. If we do not keep up, programs die away. In this day and age, communication is so easy, yet many of us work in silos. We just have to look at youth and see how connected they are. Why are we also not so connected?

I took this job on because I see change happening and want to make sure that Technology Education continues to be an option for kids in the future. I see the need for the traditional skills from our shop classes that have not changed from the old Industrial Education curriculum. I saw the need for the introduction of more design and integration of technology into Technology Education in the mid 90's. And I can see that we also need to embrace the new direction that education is taking which sees more personalized education to improve student engagement in learning. There is so much knowledge out there on proven practices as are demonstrated in Tech Ed classes all over the province. Yet there is no one pulling all this together so that we make these changes easier. I feel that the BCTEA is the vehicle for this. It seems so simple that if someone has proven how to do something well, then it should be shared. Then why is it so difficult to share? We just need a vehicle to do this. We have our annual conference which offers workshops so individuals can learn new techniques. We have a listserve so people can ask questions. We have a web site to help direct people in the right direction. We have a Facebook page to showcase successes. All we need is for more people to get connected and stay connected. This truly is the largest challenge.

Over the past year I have been representing you with the following:

- Giving input to various institutions regarding the new Red Seal certification towards a teaching degree in Technology Education
- Worked with the BC Construction Association in getting tools needed to teach the new Skills Exploration course to the tune of \$1,000,000 and distributed to schools.
- Assisted in finding presenters for the annual conference that will help us make changes individually or as an association
- Bringing my experience as a Career Coordinator with ACE IT programs into discussions about how Technology Education courses often support trades initiatives.
- Many discussions with Ministry of Education personnel about the challenges we face in Technology Education
- Attended ITA functions to connect trades training and industry connections to Technology Education
- Working on the new Skills Exploration course
- Assisting the Tech Ed teachers on the new Applied Design, Skills and Technology curriculum writing team.

As an executive we have opted to have regular teleconference calls to discuss current issues. Time is valuable and being a voluntary member, we all give what we can. What has happened though is too much time is being devoted to conference organization for the executive. This year I would like to move the executive away from this focus and let a district LSA (Learning Specialist Association) take this role back on. We have created a good shared database for future conference organization, which includes steps and tasks to be done, with the hopes to make it easier for anyone to host a conference. Next year we have agreed to join with many other PSA's in the huge BCTF joint conference. So next year there will not be our typical conference with all the traditional workshops we offer. We will have an opportunity to share some of our practices with other disciplines, and likewise we can learn what they are doing. This might be interesting for many members who are now teaching academic classes in conjunction with their Tech Ed courses. Thank you for the opportunity to represent you. Please stay connected.

Applied Design, Skills and Technology

The New Technology Education Curriculum

We have 3 Technology Education teachers on the writing committee for the new Applied Skills curriculum and they would like your feedback to assist in the final stage of the curriculum writing. I am going to briefly explain what is happening. It is highly recommended that you look up the links below for more details and then we would appreciate any feedback you wish to give once you see the rough drafts of the new curriculum.

All feedback will go through: info@bctea.org or the [BCTEA Facebook Page](#)

If you have not had a chance to read the BC Education Plan, then we highly recommend you do prior to giving feedback, as the direction ADST is heading follows those guiding principles. Note in

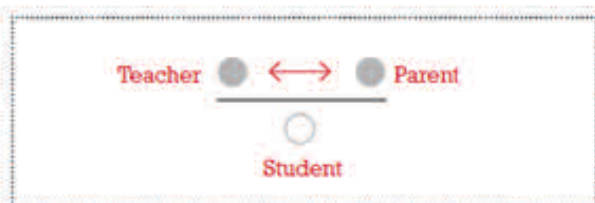
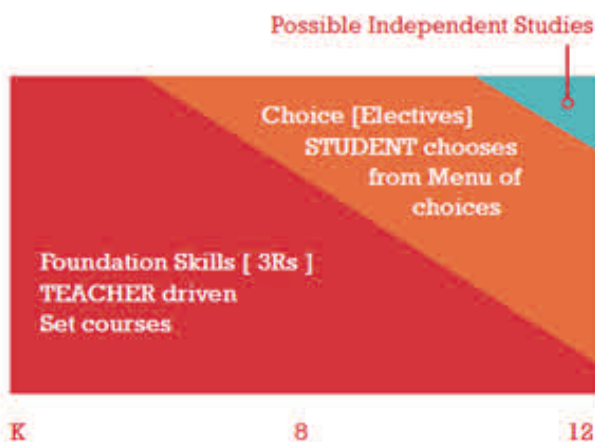
the diagrams the change from traditional to personalized work in the Choice category.

The Ministry of Education is writing new guides for all areas. Technology Education falls under the old umbrella of Applied Skills. The name has been changed to **Applied Design, Skills and Technology**. It encompasses Business Education, Information Technology, Home Economics and Technology Education.

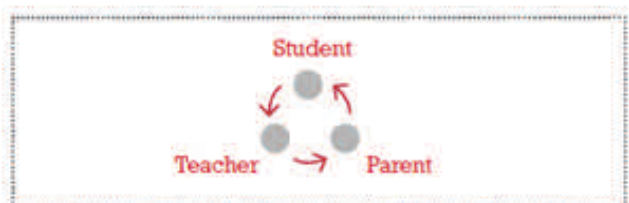
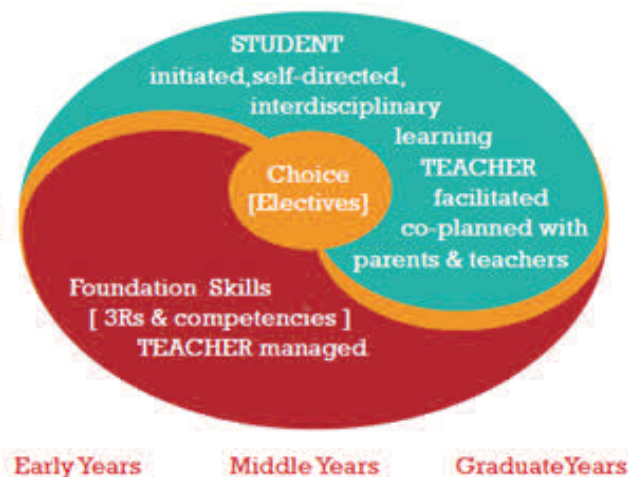
If you were to dig up the old IRP (integrated resource package) for Applied Skills you would see that no one teaches to this, but that it was designed to make sure that each student takes at least one applied course during their school

Traditional Approach vs. Personalized Approach

TRADITIONAL



PERSONALIZED



Applied Design, Skills and Technology

The New Technology Education Curriculum

years. We then had our IRP's for each of our courses, such as:

[Technology Education 8 – 10, 1995](#)

[Technology Education 11 & 12 - Industrial Design, 1997](#)

[Technology Education 11 & 12 Auto Technology, 2001](#)

[Technology Education 11 & 12 Carpentry/Joinery, 2001](#)

[Technology Education 11 & 12 Drafting & Design, 2001](#)

[Technology Education 11 & 12 Electronics, 2002](#)

[Technology Education 11 & 12 Metal Fabrication and Machining, 2002](#)

The new curriculum guide is different in that the committee is creating an overarching document that does not specify a shop or specific tools to teach an ADST course. Schools could continue to offer a woodworking course in their wood shop, or they could decide to create a new type of shop that would fulfil the requirements set out in this new curriculum guide. It is very focused on the new education plan initiatives, such as individual pathways and personalized learning.

The old IRP's will still be available as resources, but they will not be updated and will slowly fade away. I am not sure who still uses these IRPs much anymore, as it seems that most Technology Education teachers do what is necessary to provide programs for their school, based on equipment, space and budgetary constraints.

We have shared files on the BCTEA web site under [* NEW CURRICULUM *](#) that the writing committee has produced so far. Having the four different areas all combined into one document can be challenging, so we have provided a simplified version that only pertains to Technology Education. Our work will be combined with the work from Business Education, Home Economics and Information technology once the writing committee meets again the end of October.

What we would like is for you to focus on the areas pertaining to Technology Education. Break through the complicated jargon and let us know what you think is important. The K – 9 is available and you can provide input to these pages. You could print and make your comments on these pages, then pass on to your district rep to speak to at the district reps meeting, bring to the BCTEA conference and drop off there, or scan and send to the BCTEA at info@bctea.org. We have also created a POST on the [BCTEA Facebook page](#) for discussion to happen.

The next grade level is the graduation years, 10 - 12. The file "Tech Ed Mock Curriculum" has the broad overview. At the top you can see the grade levels listed so we would assume that this would continue to the senior grades. We will need input into the content draft, similar to the file "ADST 6 - 9 Content Draft" file shared with you on the BCTEA web site under [* NEW CURRICULUM *](#). Once again contact the BCTEA through info@bctea.org or post a comment on the [BCTEA Facebook page](#)

Links to important support materials:

BC's Education Plan http://www.bcedplan.ca/assets/pdf/bcs_education_plan_2015.pdf

The new Curriculum direction from the Ministry of Education <https://curriculum.gov.bc.ca/curriculum>

Applied Design, Skills, and Technology Education Framework (a must read to understand the direction we are heading) <https://curriculum.gov.bc.ca/sites/curriculum.gov.bc.ca/files/pdf/applied-skills.pdf>

Old Applied Skills IRP

[Applied Skills Curriculum IRP, 1995](#)

District Reps Meeting

Thursday, October 22nd

The BCTEA annual district reps meeting is designed for LSA (Local Specialist Association) presidents to come together to learn and share what is currently happening in Tech Ed in the province. At one time I would venture to say there were probably 4 times as many Tech Ed teachers as our present numbers are around 650. Each district had LSA's where the Industrial Education teachers would meet to discuss issues of the day. Each year an LSA would volunteer to host the annual BCTEA conference.

Hosting the conference brought the LSA members together on a common activity, and it was a great way for others to see what that district was doing.

Times have changed and there are very few LSA's anymore. This brings with it many challenges. Mainly, how to keep everyone informed, educated and up to speed with current practices. We still have our annual district reps meeting, but is it serving the purpose it once did?

Any group of Tech Ed teachers can form an LSA in their district. It can be a formal meeting arrangement, or more of a social gathering. I have heard where in some districts meetings occur at schools, at a restaurant or in my district's case at individual's homes. Current issues are discussed and then concerns can be brought to the PSA (Provincial Specialist Association) district reps meeting.

There are a lot of changes happening in education. The BCTEA executive would like to get more people involved. To the right is the list of people that have put their names forward to attend the District Reps meeting, Thursday October 22. As you can see many districts are not represented, and it would be nice that in future years this will change. The day does require your district to cover your TOC, but from what I have heard, most districts do this. In some cases the school district gives Pro D funds towards your LSA if it is organized.

The [agenda](#) for the district reps meeting is located on the BCTEA web site under 2015 Conference.

People that have put their names forward to attend the district reps meeting this year are listed below

Paul Knipe	SD#5 South East Kootenays
Mike Myhal	SD#10 Arrow Lakes
Dave Liversidge	SD#34 Abbotsford
Brad Purves	SD#36 Surrey
Brian Tivy	SD#37 Delta
Nigel Reedman	SD#39 Vancouver
Gary Pattern	SD#40 New Westminister
Russell Evanisky	SD#41 Burnaby
Ryan Harmon	SD#42 Maple Ridge
Bryan Barranti	SD#60 Peace River North, Exec
Kevin Blecic	SD#61 Victoria
Jim Watkins	SD#64 Gulf Islands
Devin Burroughs	SD#67 Okanagan Skaha
Rob Gibbs	SD#69 Qualicum
Alan Feustal	SD#71 Comox Valley
Luke Mudge	SD#84 Vancouver Island West
Kevin McGee	SD#85 Vancouver Island North
Roger Bortignon	BCIT
Brandon Bloomfield	BCIT Student 1st year
Mike Friesen	BCIT Student 2nd year
Brett Harrison	UBC Student
Steve Claassen	Exec
Randy Grey	Exec
Martin Lim	Exec
Ivor Langley	Exec
Allan Byers	Exec
Luc Ouellet	Exec
Zale Darnel	Presenter
Tim Winklemans	Presenter
Jordan Perrault	Presenter
Shawn McMullin	Presenter

Executive Positions Up For Election

Vice President, Secretary, Treasurer, Member at Large (Registrar)

The BCTEA has at least half of the executive positions come up for election each year. The intention is that there is always enough experience on the executive to keep it stable. We are elected by the members, or as is often the case, nominated and volunteer to do the job. Each time someone new comes onto the executive they bring about new energy and ideas. This can often help the organization to do a lot for the members. For example, Steve Claassen was elected last year and he has brought his skill set of working with computers. Prior to him setting a goal of knowing how many Tech Ed teachers there are in the province, no one knew our numbers. He has not only achieved this goal, but is now in the process of identifying what each of us is teaching. In this day and age, data analysis is so important when you are trying to change something. For example, without knowing how many Tech Ed teachers are in the province, how could we ever know if we are graduating enough Tech Ed teachers to replace our retirees? Or how do we know if there are more acci-

Elections for executive positions will take place at the 2015 Conference AGM @ 2pm. Positions are open to current BCTF members and members of the BCTEA PSA who are in good standing.

dents happening in shops due to increase in class size? The largest challenge he faces is that many Tech Ed teachers do not respond, which is too bad as he is more than willing to put the time in to connect with each and every one of us.

That is just an example of one person and what they do for the members. Each person on the executive brings a skill set and they contribute to the organization.

We are coming up for elections and you are being given some time to look at what each position is required to focus on, and see if you are in that stage of life where you are prepared to give back to an organization that has hopefully served you well. It will be encouraging to see more than one person being nominated for a position so we are not stagnating.

Elections for executive positions will take place at the Conference 2015 AGM, 2pm. Positions are open to current BCTF members and members of the BCTEA who are in good standing.

The following positions will be up for election this year and nominations are welcome for all positions. Please consider giving back to our organization by letting the executive know you are willing to run for a position. Elections for executive positions will take place at the Conference 2015 AGM, 2pm. Positions are open to current BCTF members and members of the BCTEA who are in good standing.

The following positions will be up for election this year and nominations are welcome for all positions. Please consider giving back to our organization by letting the executive know you are willing to run for a position.

Vice-President (2 year term)

Martin Lim is presently the Vice-president and is running for re-election.

Secretary (2 year term)

Allan Byres has been secretary for many years and has decided to step down.

Treasurer (2 year term)

Ivor Langley was elected last year to fill a vacancy, but he is retiring so this position is open. Ivor is willing to assist the new person taking on this position.

Member at Large – Registrar (2 year term)

Bryan Barranti is presently in this position and is stepping down. This position will be vacant.

Please refer to the [BCTEA Website](#) for the FULL descriptions of each executive position

Executive Reports

Martin Lim
Vice-President



I cannot believe that another year has gone by, and that we will soon be meeting again at our Annual Conference. This past year, the entire Executive has been very busy. We have all provided valuable input to many organizations. It has been a pleasure to work with Skills Canada, ITA, TRB, the Applied Design, Skills and Technology Curriculum Team and others on various initiatives.

I have attended the BCTF PSAC meetings when Randy has not been available, and volunteered to be the BCTEA contact for the upcoming BCTF Super Conference. Since Sept. 2014, I have been a member of the ITA Youth Refresh Committee, and have attended several meetings again this past year.

The Exec has committed many hours to assist with the organization of this year's Conference at Gladstone Sec. in Vancouver. Many thanks to the VSB and staff of Gladstone. It should be a valuable Conference for all, and I hope that you will be able to attend October 23, 2015.

I would like to take a moment to thank Alan, Brian, and Ivor, for all the work they have done on behalf of the Association. They have decided to step down from their current Exec positions. I know that they all have volunteered countless hours and would like them to know that their work is sincerely appreciated. Thanks Guys. Their positions of Secretary, Member at Large-Registrar and Treasurer, will be up for election this year. Also up for election this year is the VP position. I will be putting my name forward, and hope to be able to provide assistance to those newly elected, while we all work together as the new Exec on your behalf.

Luc Ouellet
Member At Large - Marketing Member
Liason



As a member of the executive you communicate with executive on matters pertaining to technology education directions/challenges in the province. Your work with the executive helps to improve technology education programs in the province and ensures the BCTF has a good understanding of what we do.

There has never been a more important time to be a member of the BCTEA executive; we are currently in the midst of mammoth change as we begin the transition from Applied Skills to Applied Design, Skills & Technology. As an organization we need to ensure BCTEA members are aware of these changes and in a

position to provide feed-back on how these changes will impact our students and the work we do. Being an executive member provides you with an opportunity to learn & educate members about these changes and help shape the future direction of what technology education can be in British Columbia.

This last year my efforts on the executive were spent working through the Best Practices Guide with the aim of raising its profile in the BCTF, the goal being its implementation and improvement of school shops. As Marketing Manager I have been in communication with the vendors who supply us with the supplies, tools & equipment we use in our programs. Many of them will be attending this year's conference as well there are new vendors bringing new products to the conference. As we wind down this year's conference I will be looking for both yours & their feed-back to ensure a good match for next year.

Executive Reports

Ivor Langley Treasurer



For the financial year July 2014 to Jun 2015 we had revenues of \$6094.55, expenditures of 9492.15, and a final balance of 9976.64. These figures do not include our conference revenues which are held in a separate account. Most of our time this year was spent on conference organization, and brainstorming ways to improve our conference, and the attendance at our conference. The con-

ference is the one event each year which really ties our members together, allows us to exchange ideas, and find out what is happening in other school districts or the education ministry. The other venue that we have been working on is a new facebook page which all of our members can post on. This is slowly getting more members, and more posts. I would urge all teachers to post some student projects, new ideas, or questions about something that you are working on, on the facebook page. Since I am retiring in June 2016, I will not be running for a position on the executive again.

Bryan Barranti Member At Large - Conf. Registrar



The Conference Registrar position has historically focused on the registration aspects of the yearly BCTEA conference. These tasks include coordinating with the online registration vendor for website layout and monitoring all actions, setting up an on-site registration table for walk-ins, preparing name tags for all registrants, and reporting back to the rest of the executives at our meetings. However, as the switch to online registrations has made these tasks much more streamlined we decided to increase the role of the registrar to play a more integral part in the organization of the yearly conference with the host committee.

Last year we had 177 registrants but this year we already have over 230 at this point with hopes of reaching over 250 on conference day.

My experience as the Conference Registrar has been very fulfilling over my two year term. Playing a more active role within the BCTEA has provided me a greater insight as to the influential role we have within the future shaping of technology education at various levels and has provided me the opportunity to voice my concerns and opinions at the executive level. Unfortunately due to other commitments I will be stepping down this year but I hope the next member to join the executive will embrace this opportunity and take this position even further.

Allan Byres Secretary



The role of the secretary on the BCTEA has changed and become a smaller role. The secretary doesn't fulfil a lot of the traditional roles such as dealing with correspondence or mail. With the increased use of e-mail and other electronic correspondence it has come down to mostly executive and in committee communications. Most people now contact the person they wish to contact directly.

I have been active on the committee taking notes and distributing them to the committee as we meet either

in person or via conference calls. The committee has been more actively involved in the conference over the past two years at Gladstone. We have played a more active role. I would like to see a greater active participation by LAS's or teachers in the district.

I think the committee has done a lot of good work and over the past two years has taken on a more active role in tech ed. I have been encouraged by the active role of new members and I as I leave to further my studies this year I would encourage new people to come on board and lend your opinions and input to this work.

Executive Reports

Steve Claassen

Communications: EVIEW Editor & Webmaster



As communications officer you are tasked with keeping the website up to date, passing on all communication with the PSA to the appropriate people and producing all the communications to/for the PSA and general public. Coming into this position I had a few goals; create a database of all shop programs/teachers around the province, bring the VIEW

Magazine into the 21st century by digitizing it and improve communications/sharing between Tech Ed teachers in general. I am happy to report that we have approx. 675 confirmed active Tech Ed programs/teachers around the province. There are 860 emails (future, present and past teachers) on the listserve that now receive PSA information on a regular basis and an EVIEW Magazine that is now being published once a month. WE have also started a closed [Facebook "Group" page](#) that has 80 members as of this writing where people are now posting and sharing.



Facebook Page Update

The BCTEA Facebook page has changed to a Group page. You will now be able to "JOIN" and post to the group. Only members of the group will see the posts. The old Facebook Page had now been removed. Please "JOIN" the new group @

<https://www.facebook.com/groups/bctea>

BCTEA Goals for 2015/2016

GOAL	OBJECTIVES	ACTIVITIES	EVALUATION (method & criteria)
<p>To increase communication with all members of the PSA and inform them of all news or information that may be of interest to the group.</p> <p>Look at Future directions for Tech Ed. Start with discussions at the conference, then continue throughout year from what we learn from members at conference.</p>	<p>Increase Social Media presence of the PSA. (Facebook, website)</p>	<p>Assign a member of the Executive to be responsible for creation of Social Media.</p>	<p>Facebook Group.</p>
	<p>Communicate with post-secondary partners to keep students/new members informed of what is happening</p>	<p>Have discussions with BCIT and UBC.</p>	<p>Arrange a date with Roger (BCIT) and Prof. at UBC. First one occurred last spring. More planned for this year.</p>
	<p>Promote the Tech Ed listserv and web page to our membership for getting info out and any other uses that we require.</p> <p>Update listserv for accuracy</p>	<p>Use the BCTEA web site to share new resources for Technology Education such as Skills Exploratory, Applied Skills, etc</p>	<p>Monitor the hits on the web site.</p>
<p>To work with outside agencies to ensure that Technology Education is recognized as a great option for youth to do hands on activities.</p>	<p>To increase awareness of K-12 Tech Ed Programs.</p>	<p>Attend the Career Education conference and ITA youth day.</p>	<p>Opportunities to speak at AGMs and discuss issues.</p>
	<p>Project Shop Class. Work with the BC construction association to secure new tools for Tech Ed teachers</p>	<p>Attend meetings by Construction association, create lists of tools required for new Skills Exploratory modules</p>	<p>See how teachers respond by attendance at conference to take workshops on trades skills.</p>
<p>Increase LSA participation by members</p>	<p>Identify what districts have an LSA. To establish LSA's and then encourage them to reach out for new members.</p>	<p>Create data base of present LSA's and see if we can encourage new ones. Produce information explaining the merits of having an LSA. Try to connect new teachers to</p>	<p>Look for an increase in LSA president attendance at our District reps meeting. This is held the day before the conference.</p>
<p>Best Practices Guide</p>	<p>Implementation in province</p>	<p>Promote with all agencies</p>	
<p>New Curriculum</p>	<p>Assist teachers with implementation</p>	<p>Offer workshops at our conference, add links and resources to web site</p>	<p>Yearly survey to find out needs and if we have served some needs.</p>



British Columbia Teachers' Federation

100-550 West 6th Avenue, Vancouver, BC V5Z 4P2 • 604-871-2283, 1-800-663-9163 • www.bctf.ca

A Union of Professionals

BC TECHNOLOGY EDUCATION ASSOCIATION **Y580**

STATEMENT OF RECEIPTS AND DISBURSEMENTS (Note 1)
FOR THE YEAR ENDED June 30, 2015

Balance, July 1, 2014 \$ 13,374.24

Receipts

BCTF grant	5,250.00	
Membership/subscription fees	5,967.50	
Interest	114.43	
Fees	(5,237.38)	
		<hr/>
		6,094.55

Disbursements

Meeting-executive	2,174.44	
Meeting-subcommittee	258.00	
Meeting-TTOC costs	1,840.97	
Meeting-other	2,062.55	
Publication-other	238.43	
Furniture/Equip purchase	20.11	
Miscellaneous	372.00	
Conference Operating	1,813.20	
Committee Costs	712.45	
		<hr/>
		(9,492.15)

Balance, June 30, 2015 \$ 9,976.64

Notes:

1. This statement reflects only funds held by the BC Teachers' Federation on behalf of the BC Technology Education Association.