

Parents' Guide to Career Programs at SAS

March 8, 2018

Buckle up – it's decision time again!

As the Grads of 2018 apply to Post-Secondary Education or set sights on the workforce, I would like to tell you about some great tours we had, some tours we still get to go on, and some opportunities in the future. Please take some time to participate in our tours, have discussions about careers in demand, explore opportunities and become aware of strengths. If your family member is still in Grade 9, 10 or 11 you likely have lots of questions about course selection. Let's start with a simple question. **What are some careers in demand over the next number of years? What is hot and what is not?**



High Tech - Electronics

Aviation / Transportation

Environmental Monitoring

This year we focussed on Science, Technology and Trades Training. We showcased Technology in the Shuswap, with our Technology Meet-up on February 20th. We hosted tours supporting skills in Plumbing, Electrical, Electronics and Mechatronics. Our students toured Tolko Industries, Valid Manufacturing, Access Precision Machining, Landmark Consulting, Windowland, and Rupp Metalworks. Our students spent time at Okanagan College in Salmon Arm, Vernon and Kelowna. We accompanied students to UBC (Kelowna) for the Experience Okanagan tour and to the Vernon and Kelowna Aircraft Maintenance Engineering programs. SAS hosted Post Secondary Institutions such as UBC, UVIC, U of C, U of A, TRU, UNBC and Okanagan College for Grade 12 PSI sessions. Please take a few moments to learn about our Career Programs. *J.Quilty*



Aircraft Maintenance Engineering Program Tour – March 2nd, 2018

Examples of occupations in demand through to 2025.	Median Wage (Hourly)	Openings to 2025
Retail & Wholesale Trade Managers	\$26.00	28,400
Insurance, Real Estate & Financial Brokerage	\$34.97	8,800
Construction Managers	\$40.00	6,900
Civil Engineers (Buildings, Bridges, Roadways, etc.)	\$36.78	3,200
Software Engineers (Writing, Creating and Managing Computer Code)	\$37.13	4,300
Electrical and Electronics Engineers	\$38.46	2,000
Cooks	\$13.00	12,100
Carpenters	\$25.50	10,300
Financial Auditors and Accountants	\$27.69	11,600
Restaurant and Food Services Managers	\$19.00	8,200

Source – WorkBC (October 2017)



SAS High Tech Meet Up



Vancouver Science Fieldtrip



Carpentry at OC (June 2017)

Course Selection – March 6th through to March 31st, 2018

As a parent, you may not feel connected to the course selection process, but you are a key part! Parents have important conversations about interests, aptitudes or abilities with family members. Now is the time to have those conversations. The courses our students pick, now, determine the programs that they can get in to or apply to in Grade 12. We also use the student selections to build a timetable with blocks of courses and therefore, staffing needs for next year. The key message is; students need to pick a full timetable with challenging courses. If possible, fill gaps in timetables with courses such as Metalwork, Mechanics, Computers, Physics, any of the Sciences or Math.

The **Course Selection** process is as follows.

March 6th – March 9th – Classroom Presentations

March 15th – Student Connect – Students select courses for 2018/2019 School Year

April 3rd – Students return from Spring Break – Course Selection Process Closes

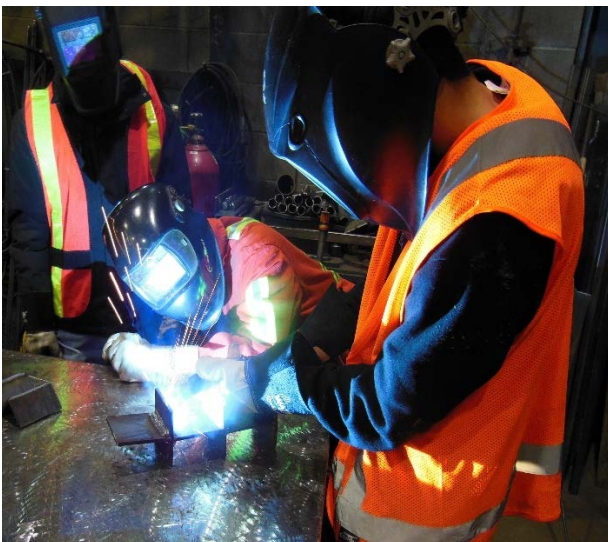
April 4th – Student Selections are collected / processed. Timetable building begins.

Where can you get information on courses needed to graduate?

Students and parents can get a variety of information about Grad requirements from the Ministry of Education website called Education Planner, as well as a complete list and description of SAS course offerings from the SAS Course Catalogue. If you would like specific details about Career Programs (Science Programs, Technology, Trades or Apprenticeships) please feel free to contact us directly.

Go to educationplannerbc.ca

You can also go to the SAS Course Selection Site at sas.sd83.bc.ca (Students – Course Catalogue)



Interested in Welding, Fabricating or Plumbing?

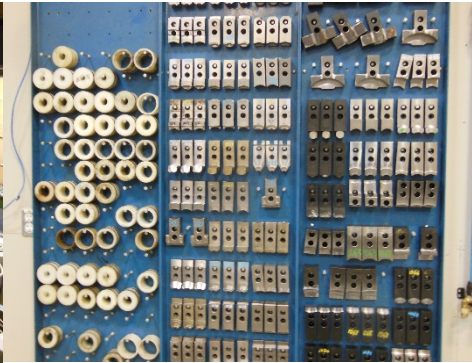
We are excited to offer a **new program** starting in September 2018 for students interested in Metal Trades and Plumbing. We have created a course called **Youth Explore Trades Skills – Metal Trades and Plumbing**. This course would be a Metal Trades Sampler, giving students 8 credits in Skills Exploration (12A and 12B) with an **option** to go directly into the workforce during the second semester of Grade 12. Students hired by a Red Seal Tradesperson would be eligible for an apprenticeship (up to 16 high school credits). If your son or daughter would like to gain Applied Skills in the Metal and Plumbing Trades, then pick this option.

What have we been up to this year?

This year we have had a number of fieldtrips for our Grade 9 through 12 students. We started the year with a tour of **Tolko Industries** in November, highlighting eight stations where students could learn about Power Engineering, Plumbing, Welding, Electrical Trades, Construction, Heavy Duty Mechanics, Millwright Skills, Machining and Manufacturing. We took a large group to the Salmon Arm Industrial Park in December, to learn about Specialty Manufacturing, Machining, Window and Door Manufacturing, Forestry and Fabricating.



Tolko Industries



Access Precision Machining



Heavy Duty Mechanics

In February we hosted a High Tech Meet-Up for over 900 students, featuring leading edge manufacturing, Engineering and Forestry firms. We would like to extend big thanks to our exhibitors (Forsite, Landmark, Silvatech, the City of Salmon Arm, CATO, SkyCrew Media, Mill Tech, Raptor Integrated, USNR, Delta C, Telus, TRU, Okanagan College, Dinoflex, IC Urethane, Canoe FP, Accelerate Okanagan, ITA BC, SESCO). In February we also took a group of 84 students to UBC Okanagan. Students attended a variety of lectures at Experience UBC Okanagan.



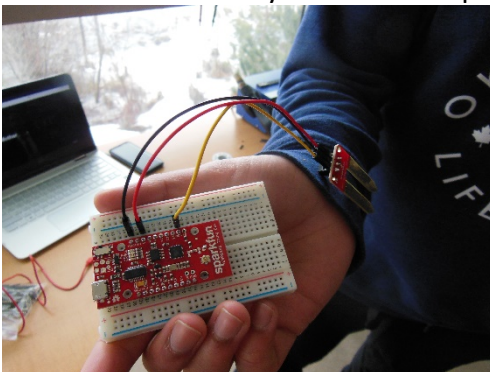
Virtual Reality Glasses



Paper Chromatography at UBC)



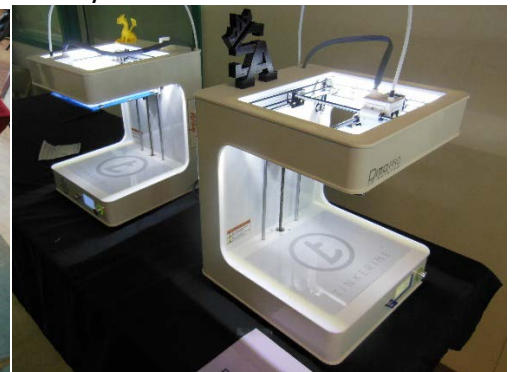
Physics Lecture at UBCO



SAS Tech Meet UP



Forest Tech Gear



3D Printers at SAS

Tuition Free Programs – Certificate courses during high school or after Graduation (New)**
Consider taking a Tuition Free (paid by SD#83) certificate program at Okanagan College during Grade 11, 12 or right after high school. Certificate programs such as Business Administration, Office Assistant, Administrative Assistant, Aircraft Maintenance Engineer (Structural or Mechanical), Health Care Assistant or a variety of other programs (subject to an application and approval process). Apply now in our Career Centers.

Good at Physics and Chemistry? Like Machinery and Equipment?



We have an incredible opportunity for students in our school district with the help of BCIT (online) and Sure Crop Feeds in Grindrod. We are able to offer a 4th Class Power Engineer Certificate Program! A Power Engineer supervises the Steam / Power Plant in an Industrial Facility. The job requires a working knowledge of boilers, valves, gauges, steam, and pressure etc. To become a 4th Class Power Engineer students in Grade 12 would take Part A and Part B online, work at Sure Crop Feeds, and would receive 3 Grade 12 Courses as Credit. The student would be required to complete a BCIT exam and a BC Safety Authority exam. This program is best suited to students strong in Math and Science (Physics and Chemistry).

Summer Jobs and Jobs during the School Year

As we move through another school year we need to ask a few important questions. **Does your son or daughter have a job lined up for the fall or school year? Would your son or daughter like to get High School Credits for working at their job?** If the answer to either question is yes, then we need to do paperwork with the student **before** the hours are accumulated. Attached to this newsletter is a questionnaire that helps us determine how we can help the student best. Please go to the Career Center (Jackson or Sullivan) for the complete application package.



Students can earn high school credits for work experience.

Why do Work Experience?

According to the Ministry of Education the goal of Work Experience is:

"- to help prepare students for the transition from Secondary School to the world of work"

"- to gain knowledge and experience about the workplace"

What is the difference between Work Experience (WEx) and an Apprenticeship (YWRK)?

Work Experience can be paid or unpaid on the job training or work at any business. An Apprenticeship (Youth Work in Trades) is paid work experience under the direction of a Red Seal Trades Person (ex. Professional Cook, Welder, Auto Service Tech, etc.). An apprentice is registered with the ITA (Industry Training Authority) by the school district, with a goal of completing over 900 hours of on the job training, within the school year of turning 19 (to qualify for a \$1000 YWRK Award). If a tradesperson does not have a Red Seal, but has worked in the trade for about 9000 hours, we may be able to obtain Sign-Off Authority for that tradesperson. Regardless of whether the student is doing WEx (Work Experience) or a YWRK (Secondary School Apprenticeship) the worksite must have a Work Safe number ("WCB" Coverage).

My son / daughter is strong in Math and Science. – What are some trades that require Physics and Math?

There are lots of great options for students interested in Math and Physics. BC Hydro currently has postings looking for High School Graduates with English 12, Math 12 and Physics 12. Apprentice Electricians are trained over a four year (paid) program within BC (Victoria, Prince George, Vernon, Campbell River, Cranbrook, etc.). The starting wage for an apprentice is \$27.30, while the Journeyman Rate is \$36.40 per hour. The program consists of 48 months of on the job training and in school technical training (10 weeks per year). Students can study the electrical Pre-Apprenticeship Program in Salmon Arm, Vernon, Kelowna, Kamloops, or Penticton.



Students can study Engineering, Information Technology, Health Care Aid / LPN or Registered Nurse Programs, Environmental Science, Pharmacy Tech, Business, Computer Science and many other great options all in the local region. Go online or tour in person, Okanagan College, Thompson Rivers University or UBC Okanagan.

Did you know that you can tour any of the Campuses in our region?

Reminder of Career Program Intake Dates and Locations

Program Name	Location	Next Intake Date
Auto Service Technician	SAS – Sullivan	Feb 2019
Hairstylist / Cosmetology	PVS (Armstrong)	Feb 2019
Pro Cook 1 / Auto Collision Repair	ALF / Online (Blended)	Feb 2019
Electrician Pre-Apprenticeship	Okanagan College(SA) – 2 nd Semester	Feb 2019
Welding – Level C	Okanagan College (SA) – 1 st Semester	Aug 2018
Residential House Construction	Okanagan College (KLO) – 2 nd Semester	Sept 2018
Plumbing Pre- Apprenticeship	Okanagan College (SA)	Sept 2019
Heavy Duty Mechanic	Okanagan College (Kel) – 1 st & 2 nd Semester	Ongoing
4 th Class Power Engineer	BCIT Online	Sept. 2018
Business Admin Courses	Okanagan College	Sept 2018

Steps to accessing career options:

- Contact the career center staff (Jackson and Sullivan Campus).
- Send your son/daughter in or parents – show up yourself!
- Place a phone call or email the career center staff.
- Talk to your son/daughter about their interests.
- Ask friends and family members who may be in trades.
- Send your son/daughter on a Trades Tour offered by the school.

Career Center Contacts:

John Quilty
 Career Coordinator
 SAS – Sullivan
 250-832-2188 Ext.1227
jquilty@sd83.bc.ca

Greg Seed
 Career Coordinator
 SAS - Jackson
 250-832-2188 Ext.3207
gseed@sd83.bc.ca



Earn High School Credits for Work Experience & Apprenticeship (YWRK)

NAME (First and Last) _____ Current Grade _____

EMAIL _____ Home Phone _____

Cell Phone _____ Block A Teacher _____

Are you working now? Yes No

Did you work for a company over the summer break? Yes No

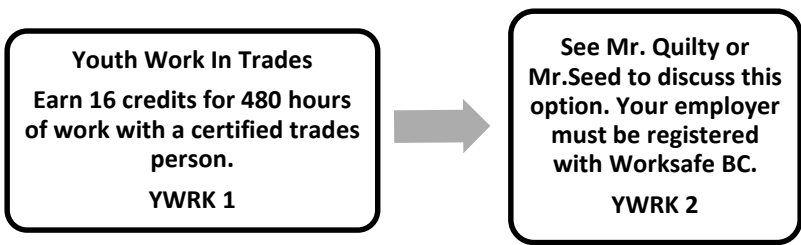
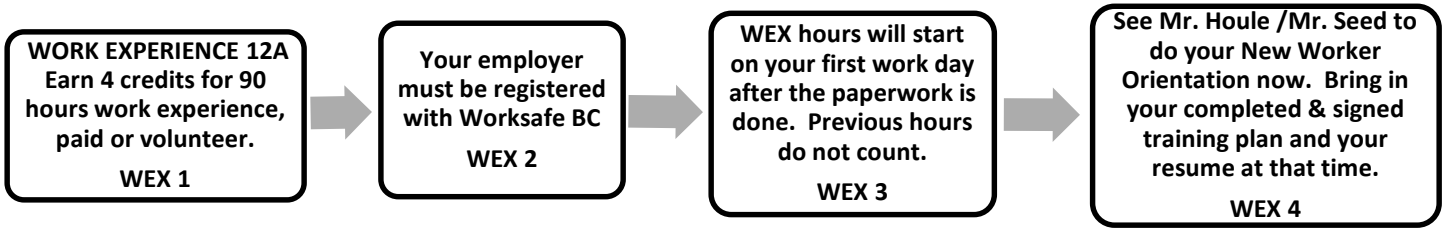
Do you plan to work during the school year? Yes No

If you answered **YES** to one or all of the questions, what is the legal name of the business?

What was (or will be) your **job title or main task**?

Are there any Certified Trades Persons at the site? Yes No

Would you like a staff member to call home to discuss options with a parent? Yes No



ATTENTION!!
ALL PAPERWORK must be handed into the Career Centre right away.