



Blue-Print

Girl Guides of Canada-Guides du Canada | Alberta Council | girlguides.ca/ab

February 2018

Everything she wants to be.

GUIDING MEMORY

Impact and an Earworm at Brownie STEM Day

At home, **Aidan Clarke**, a Brownie in Scenic Bow Valley District, adjusted and experimented with the marble run she created over a week ago at the Calgary Area Brownie STEM Day. She explained, "The marble run made me the most excited because I liked making it and I get to keep working on it at home." Aidan found making the marble run work a challenge, particularly difficult was not losing the marble. A hundred girls, including Aidan, and Guiders, attended the morning session at the Calgary Area Guide Centre. A similar size group attended the afternoon session. Aidan expressed, "It was very crowded and hard to find my parents at the end. I felt pretty happy and tired at the same time. Mommy saw my 'happy face' for a long time."

Rebecca Keeler of the Calgary Area Programming Committee organized the event with four round-robin stations each of 40 minutes: robotics, trash and recycling, engineering, and either sound or flight.

The robotics activity used Lego Mindstorms. The girls learned the basic concepts of programming to move the robots and made them dance and talk. Aidan admits, "I was curious to find out how we would make them dance." Aidan learned "that you have to listen and follow instructions in the robot dancing activity, or else you might get mixed up or lost from your group or the computer would turn off."

At the Trash and Recycling activity, the girls learned how long different trash items take to decompose, and learned about leachate from landfills. They took home an experiment of "good soil" versus "bad soil" and hypothesized how plants grow in both. Aidan thinks she will remember this activity, "Because Mommy likes plants. There was one cup of good soil, one of bad soil, with one seed in each. The seed in the good soil will grow faster, because vinegar [in the bad soil] kills plants."

The Engineering Design activity was building marble runs. **Anne Jaenan**, Aidan's Brown Owl, said the activities were well thought out, although some girls struggled with "getting the marble from top to bottom." She stayed at this station for a while to help her unit and others complete their slides. Aidan joked that "engineers don't sleep. Because they need to work a lot and finish the things they do."

The Science of Sound activity ran only in the morning. The girls learned about sound frequency using a rope to simulate sound waves. Aidan says she liked this activity, "Because my school is doing this and I got to do more experiments like seeing the sound waves change when someone stands on the wire."

The Fantastic Flight activity ran in the afternoon only. The girls learned about the forces involved in flight to make a paper airplane and the best way to fly it. **Michele Harding**, Calgary Area Program Adviser explained that the "Facilitators were a mixture of staff from the University of Calgary, Engineering for Kids, and non-Guiding volunteers". Check out the website at engineeringforkids.com/Calgary for details about their program.

The event certainly made an impression on Aidan; however, it is the woman who led the singsong while the girls were waiting to get started who Aidan thinks she will remember the longest. "She sang funny songs with all the Brownies. We sang Pizza Hut, and Grand Old Duke of York." Why was singing at a STEM event a lasting impression for Aidan? "I have the Pizza Hut song stuck in my head. My friend at school and I have been singing it all day." Everything we do (even if it is only a song between events) makes an impact on the girls. Aidan's final comment: "I had so much fun!!" Thanks to **Michele Harding**, **Rebecca Keeler**, **Anne Jaenan**, and all the volunteers for helping Aidan to become **Everything she wants to be**.

See photo page 8

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A MESSAGE FROM THE PROVINCIAL COMMISSIONER

As I sit here on January 15, the Blue-Print submission deadline day, struggling with what to write, I am thinking about all the exciting changes that will be occurring in 2018 and the myriad of changes that took place in 2017.

As you read in past editions of ANY_GuideNews and Blue-Print, a number of Alberta Council volunteer positions became available in the later part of 2017. We are very pleased to let you know that because of the amazing support from our entire membership, we successfully filled almost every position. As such, the following is a list of volunteers who work hard to ensure that the day to day operations of Guiding in Alberta, Northwest Territories and Yukon continues to thrive.

Treasurer	Pam Sigvaldason	Member Services Coordinator	Sheila Morrison
Cookie Adviser	Linda Hallonquist	Training Adviser	Tanya Watts
Secretary	Mae Hadley	Membership Adviser	Bev Burton
Risk & Compliance Adviser	Jennifer Dougherty	Link Liaison	Shannon Robertson
Safe Guide Co-Advisers	Marg Easson/Kathy Kibblewhite	Awards Lead	Jan Kolotyluk
Girl Protection	Donna Leonard Robb	Trefoil Guild Liaison	CURRENTLY VACANT
Girl Engagement Coordinator	Liz Maki	PR & Communications Adviser	Rosemary Smith
Camping Adviser	Julie Kitz	Blue-Print Editor	CURRENTLY VACANT
International Adviser	Amanda Saiegon	ANY_GuideNews Editor	Maren Bolstler
Program Adviser	Dana Wagner	Archives Chair	Janet Allcock
Lones Lead	Meribeth Barclay	Nominating/Search Chair	Beverly Simpson Headon



In fact, Alberta Council includes more women than the list above. Area Commissioners also play an invaluable role in the decisions made by Alberta Council and as the senior volunteers in each of the Areas, they are involved in the day to day operations of their jurisdictions.

Aurora Adventures (Northwest Territories and Yukon)	Andrea Korpel	Michener	Michelle Anderson
Calgary	Arzmond Teja	Parkland	Rose Ward
Chinook	Chris Burton	Peace River	Crystal Power
Cypress Hills	Jamie Lowry	Prairie Rose	Tracey Stagg
Edmonton	Heather Monahan	Tamarac	Tirzah Wolff
		Woodsmoke	Cheryl Ryan

These women support you in whatever role you have in Guiding. If you have questions or concerns, I encourage you to reach out to them and I know that they will do their very best to support you. We posted their email addresses on the Alberta Council website under Contact Us - girlguides.ca/ab/contact.

The introductions above recognize just some of the changes in the latter part of 2017. Now I would like to share briefly about 2018, specifically about Girls First. You may recall the various communications asking our adult members to apply to become Girls First Champions. I am absolutely thrilled to report that the number of applications received from Alberta, Northwest Territories and Yukon LEAD THE COUNTRY. This is just one more testament to the passion that our members have for Guiding. The only unfortunate part about receiving so many applications is that not everyone could be selected. To all those who applied, I thank you sincerely.

The Alberta Council Girls First Champions are:

Aislyn (AJ) Lichty	Sylvan Lake
Amanda Saigeon	Calgary
Ashley Barclay	Calgary
Beverly Burton	Pincher Creek
Cassaundra Rose	Edmonton
Catharine Schamber	Calgary
Cyndi Williams	Calgary
Dana Wagner	Buck Creek
Danielle Brunelle	Calgary
Diane Wereley	Grande Prairie
Dorinda McCabe	Wainwright
Eileen Hendry	Yellowknife
Erin Tordoff	Edmonton
Gail Bassett	Edmonton
Jackie Rogers	Sherwood Park
Janet Melnyk	Edmonton
Jodi Sillers	Sherwood Park
Kara Carriere	Lethbridge
Karla Williamson	Calgary
Kate Hanna	Calgary
Kathleen Bourne	Calgary
Kelly Logan	Okotoks
Kelly Thiessen	Blackfalds

Kristin Greenwood	Fort Saskatchewan
Lauren Ostridge	Calgary
Lisa Gray	Calgary
Lisa Penzo	Okotoks
Melissa Forde	Edmonton
Michele Harding	Calgary
Nikki Giguere	Calgary
Shannon Robertson	Edmonton
Sheliza Ismail	Calgary
Stacey St. Jean	Lac La Biche
Stephanie Lindstedt	Medicine Hat
Sue Fortunka	Calgary
Tanya Watts	Edmonton
Tirzah Wolff	Spruce Grove
Tonya Wolfe	Edmonton
Tracy Burton	Pincher Creek
Trish Kristianson	Calgary
Yvonne Carignan	Sherwood Park

GIRLS FIRST

I congratulate you all, and extend an early thank you for the role you will play in the roll out of our exciting new program.

On behalf of Julie and Laurie, I once again thank all members in Alberta, Northwest Territories and Yukon for your continued support on our journey towards becoming more girl-driven, so she is **Everything she wants to be.**

Kathy



Alberta Council Scholarships

Will you be a full-time student at a post-secondary institution in the Fall of 2018?

Watch the Alberta Council website and ANY_GuideNews beginning mid-February for details on submitting your application.

The application deadline will be on May 11th, 2018

COOKIES

Linda Hallonquist, Alberta Council Cookie Adviser

The new year is that time of the year when your Cookie Orderer asks Unit Guiders for their Classic Cookie orders. Hopefully you were able to order enough cookies to cover your girls' Cookie All Star goals in addition to covering your Unit activity or travel budgets. Are you participating in any special cookie selling events? A good way to make your unit visible when selling cookies is to organize a drive-thru for cookie sales. Be sure to follow Safe Guide when planning this event. Set up a drive-thru at your meeting place in the parking lot or ask local businesses if you can set up a cookie drive-thru in their parking lot. Remember always to say thank you to everyone even if they do not buy cookies.

Watch the National website, girlguides.ca, to register for Cookie Days in Canada April 7-8, 2018. Details will be coming soon.

STEMMING FROM ARCHIVES

Geoff and Janet Allcock, Alberta Council Archives

The theme of this edition of Blue-Print is “STEM” – Science, Technology, Engineering, and Math. The Archives has an ever-growing library of scanned photographs to illustrate the theme. It is not surprising that Guiding seems to get involved in STEM-related experiences even without knowing it. Much of it comes disguised as the fun we inject into all our activities. Did you know that Guiding has a long tradition in structural engineering? Or aerodynamics? Or natural sciences? You might know them as gadgets, kite flying and pond dipping respectively! And there’s more!



Space Science – Manoeuvring a simulated “Canadarm” Blomidon Park, N.S. 1996.



Aerodynamics – Kite flying – Echo Valley 1988



Structural engineering – Echo Valley 1988



Printing technology “Look up to the Sky” – Sandy Lake 1983



Natural Sciences – Water for Tomorrow Challenge, Tangletrees, 1991



Aerodynamics – Kite making at “Look up to the Sky” Sandy Lake 1983



Hydraulics – (aka playing in the sand), National Annual Meeting 2003, Edmonton Odysseum (now Telus World of Science)



Natural Sciences – Water for Tomorrow Challenge, 1990



Structural engineering – 1980's Ranger camp

BUSTED

MYTHBUSTERS

GIRL GUIDE EDITION

MYTH

– Cookies ordered before approval of an SG.8 for a trip can be used to support the trip.

CONFIRMED

– Units can order cookies to support travel without having an approved SG.8, however any travel cookie incentives that are normally given at the Area, District or Provincial level for these cookies are not permitted unless the SG.8 was approved prior to ordering. This also means that the cookies ordered before the signed SG.8 cannot be used as part of the minimum 25% fundraised funds.

MYTH

– You can sell as many Girl Guide cookies as the girls in your unit want to sell.

CONFIRMED

– A unit can sell as many cookies as the girls want to, especially if they are working on Cookie All Stars, but there needs to be a purpose and plan for the funds raised so it can be used by the girls who raised it.

MYTH

– Maximum numbers for unit sizes are decided by the Contact Guider only. (Unit Caps)

BUSTED

– Unit caps are decided by the Unit Guiders and District Commissioners, taking into account ratio numbers and meeting space size. Consider how the unit could grow to accommodate new girls, such as recruiting new Guiders.

MYTH

– I have to wait to send my parents the SG.1 and SG.2 until I have received approval/acknowledgement from the Safe Guide Assessor.

BUSTED

– You are not to wait for an Assessor's acknowledgement/approval before sending parents copies of the SG.1 & SG.2. In fact, it is important to ensure that these forms are sent to parents before submitting your SG paperwork into the assessors so that they know how many participants will be attending your event.

PLAUSIBLE

MYTH

– Units are not allowed to set unit cap numbers only to accommodate girls going on a trip that year.

CONFIRMED

– All girls are to be permitted to be part of a unit. Trips should be considered a separate activity, away from the unit. The unit should still be doing programming on top of trip related activities. No girls are excluded from joining Girl Guides of Canada.

CONFIRMED



MYTH

- Tobogganing is not allowed as a unit activity.

BUSTED

- There is an Activity Guide in Safe Guide on sledding and tobogganing that gives the requirements needed to ensure the safety of all participants

MYTH

- You can create a crest, a water bottle and a blanket with the crest logo on them for your unit camp.

CONFIRMED

- Event Merchandise Guidelines which were updated in December 2017 notes that merchandise which may be produced includes clothing and souvenir items. These items may be given to campers as part of the event. There is no restriction on the number of pieces or the type of clothing and souvenir items associated with a camp. Approval for the design must occur before the merchandise is purchased using the AB.PR.01 form.

MYTH

- There are 146 Member Organizations in WAGGGS.

BUSTED

- After the World Conference in September 2017 WAGGGS now has 150 Member Organizations! The newest countries include: Syria, Aruba, Azerbaijan, and Palestine. The Africa Region has also grown to include over 1 million members!

MYTH

- Unsolicited donations under \$1000 do not require an FR1.

CONFIRMED

- Donations, even if you do not solicit/request them are considered fundraising. However, to align with National's policy around donations, Alberta Council recently approved a new process and guidelines around unsolicited donations under \$1000, where an FR.1 is not required. Please visit girlguides.ca/ab under forms to obtain a copy of the *AB-Council.30 Donation Process and Checklist* that is required to be filled out for all unsolicited donations under \$1000. If a donation is over \$1000 or was solicited/asked for, the FR.1 submission process is to be followed.

MYTH

- After the January 31st count date, girls are no longer allowed to join for this year.

BUSTED

- Girls can join Girl Guides at any time of the year – they still have to pay the Membership Fee as they are members of Girl Guides. Also, don't forget to enroll the girls if they do join later in the year!

Do you have a **MYTH** that you would like to have **CONFIRMED** or **BUSTED**?

Email your query to blue-print@albertagirlguides.com using **Mythbusters** as the subject line.

BUSTED

BRING-A-FRIEND - STEM MEETING

Bev Burton, Alberta Council Membership Adviser

This is a great formula to grow Guiding and to show our friends that Guiding is more than just cookies. We are currently developing the Bring-A-Friend Challenge and crest. When this is finished, the information will be available on the website girlguides.ca/ab under Program Resources.

At least 3 weeks before the event, make girls aware and get them excited about inviting a friend to come to that meeting. Send home a newsletter with all the information that the friend needs for the meeting (where to go, what time the meeting starts and ends, and anything they need to bring with them). You also need contact information for the girl the night of the meeting, along with any pertinent health information and allergies. Girl Guide insurance covers these girls during Bring a Friend events. Remember also to bring along girl registration information, as you will likely get interest in girls joining at this time. Choose some or all of these stations from the Alberta Council STEM challenge as activities.

Experiment with this sample Spark or Brownie Bring a Friend – STEM Meeting.

Supplies:

- Listed with each station
- The STEM badge and the Bring-A-Friend Challenge badge

Meeting:

1. Start with a fun game. One suggestion is Fruit Salad so new girls can easily join in. The girls stand on one side of the gym, one girl is in the middle. Everyone thinks of a different fruit. The girl in the middle calls out the names of fruits, and if that is your fruit, you run across to the other side of the gym trying

not to get caught. Anyone caught then stays in the middle and tries to catch others. If the ones in the middle say Fruit Salad, then everyone runs across and a new game starts after that.

2. Opening Song

3. Stations

4. Campfire

This is a great way to show the tradition of Guiding, and let the girls have fun. Generally, it is best to choose some silly songs that the girls already in your unit know well. Other song suggestions are repeat-after-me songs or songs that have actions or are not very complex.

Remember at the end of campfire to invite the girls to join Guiding and to give out information about how to register along with a reminder that there is financial assistance available. Girls can join Guiding at any point in the year.

Station 1 - Blowing Up a Balloon

Blow up a balloon using 40 mL of water, a plastic bottle, a straw, some lemon juice or vinegar, and 1 tsp of baking soda. First, stretch out the balloon. Next, pour the 40 mL of water into the bottle, add the baking soda and stir with the straw until dissolved. Acting quickly, pour in the lemon juice or vinegar and put the balloon over the mouth of the bottle. Watch the balloon inflate.

The acid of the vinegar or lemon juice mixes with the base of the baking soda, creating carbon dioxide. The gas rises and goes into the balloon, blowing it up.

Supplies: Balloon, Straw, Vinegar, Baking Soda, Water Bottle

Aidan Clarke working on her marble run from Guiding Memory on the front cover.



Station 2 – Fun Lava Lamp

Create a lava lamp using water, a clear plastic bottle, some vegetable oil, food colouring, and Alka-Seltzer tablets. First, pour water into the plastic bottle until it is one quarter full. Next, add the vegetable oil until the bottle it is almost full. Let the oil and water separate, then add 10-12 drops of food colouring and let this mix with the water. Cut an Alka-Seltzer tablet into quarters, drop one quarter into the bottle and watch what happens.

When the reaction stops, the girls can add another piece of Alka-Seltzer tablet. Or put the lid on the bottle and try turning over the lamp.

Oil and water do not mix well, and oil is less dense than water so stays on top. The Alka-Seltzer releases carbon dioxide gas when mixed with water and this carries the coloured water to the top of the bottle. When the gas escapes, the coloured water goes back to the bottom of the bottle.

Supplies: Vegetable oil, Food Colouring, Alka-Seltzer Tab, Plastic Water Bottle (can use the same one as from earlier)

Station 3 – Balls and Balloons

Make a ping pong ball float using a hair dryer. Place the ping pong ball in the airflow and see what happens. Try two or three ping pong balls. What happens? The balls do not go flying because the air from the hair dryer causes a low pressure system and gravity pushes down on the ball, leaving it in place.

Create static electricity by rubbing one balloon on your hair and watch what happens when you pull it away. Rub one balloon on your hair and then hold it beside an empty aluminum can, watch what happens as you move the balloon slowly away from it. Static forces draw the can to the balloon.

Use balloons to amplify sound. Holding a balloon to your ear, try tapping on the side to see how it sounds louder. You can also try whispering to your friend with the balloon on her ear. The trapped air molecules in the balloon are closer together than in the open air so they conduct better.

Supplies: Ping-pong Balls, Balloons, Hair Dryer, Empty Aluminum Can

Station 4 – Making it Rain

Everyone gets a clear plastic cup half-full of water. Spray shaving cream on top of the water to represent a cloud. In other glasses, put drops of food colouring in water.

Using a straw, pipette out small amounts of the

coloured water and drop it onto the cloud (put finger over end of straw and put in the water to draw coloured water up). When the cloud becomes super-saturated, the drops of coloured water will start to rain down into the clear water and you can watch rain come down.

Supplies: Clear Plastic Water Cups, Food Colouring, Shaving Cream, Straws

AWARDS

Jan Kolotyluk, Alberta Council Awards Lead

Thank you! Those are the nicest words a volunteer can hear. How can you say thank you throughout the year and not just at your annual awards event? One way is to set out “A Great Guider lives here!” signs. Send out the Rangers on a stealth mission to post some signs in your District or Area. All the Areas had these signs at one time. The signs may be forgotten or left with the Guiders who received them. Why not put them back into circulation on a regular basis?

Recognize Guiders with impromptu snacks, treats or other surprises at a Unit, District, Committee or Area Meeting. Perhaps you can set the theme of the meeting as a thank you meeting and have cupcakes with THANK YOU written on them in icing. Get the girls involved. Ask the Pathfinders or Rangers to lead a meeting where the Sparks, Brownies, or Guides can make or decorate the cupcakes and showing everyone the importance of thanking each other.

Pinterest has many ideas of quick and easy ways to recognize volunteers. You can make little goodies for meeting favours, use some of the quotes for openings or build on the ideas shown.

Personal contact is always important. Think how nice would it be to receive a phone call from another Guider saying, “Thanks, I appreciate the time you give to Guiding”, or a card dropped in the mail. We do not get much “fun” mail anymore so this is a great way to surprise someone. You may never know what kind of day someone is having or how the surprise of that call or card could brighten their day.

Formal awards are a part of our Guiding life and should be applied for, when appropriate, but in between those times, look for other ideas to recognize each other.

STEM AND THE MEDIA

Rosemary Smith, Alberta Council Public Relations & Communications Adviser

Any STEM activity that takes place in the public or with others from the community is a public relations activity. Consider how the different forms of media involve uses of science, technology, engineering and math. It may surprise you how many places in your community you can find to learn about media.

Sound

Commercial and public radio spring to mind when we think of sound media. There are also community stations and podcasts broadcasting in your community, which may give the girls something new to explore. Try to connect with people behind-the-scenes. If you find the correct person, they can discuss sound waves in production systems. If you are lucky, they may have a reel-to-reel machine that looks like a large cassette tape. They can explain how sound tracks work. Broadcasters can explain the difference between AM and FM, and UHF waves, and their uses. A local amateur radio club can teach about UHF. Did you know Guiding goes live around the world with ham radio operators and Thinking Day On The Air? Remember to ask why they are called ham radio operators.



Picture



If you are not located in a city, television stations, and local news shows can be hard to find. However, more communities these days have a community station, or a representative who works for a larger station. Contact them to see how these journalists produce pieces without all the equipment. How about producing your own video? Did you know Girl Guides has a YouTube channel? The internet opens up a completely new world through those who have YouTube or other video sharing accounts, or directly through their own website. See if you can find an old VHS, Beta tape or 35 mm film to learn about the history of video production and compare it to the modern digital equipment.

What makes a good video? Talk to someone in live theater to learn how lighting works. Theatre and video share the same premise when it comes to lighting. If you want to find the perfect look for your next zombie or ghost productions, just choose the wrong lighting for your video.



Print

There are fewer and fewer newspapers every year, but there are many publications and printers. The Editorial Team, who reside from Calgary to Whitehorse, collaborates in the production of this newsletter utilizing Google Docs, emails and other online tools. It is very different from the cutting and pasting of actual paper, or setting type that previous generations could have used. Discuss the history of publishing by finding a manual typewriter and learning how it works through hand power and compare it to a computer keyboard.

All of these options set you on a path to making a unit production. Share your podcast, video or current event page with us. We may be able to add it to the website or include a story about how you created it here in Blue-Print.



STEM AND TRAINING

Tanya Watts, Alberta Council Training Adviser

Many of our Trainers embrace technology by learning how to give the webinar and telephone trainings. Our Adult Membership enjoys the convenience of taking trainings from their home and interacting with others in the session similar to experiencing a face-to-face event.

If you have not tried one, keep an eye on the Alberta Council calendar and in ANY_GuideNews for the updated trainings available. @GGCAlberta tweets them out too.

If you are a Trainer and are interested in becoming part of the webinar/telephone training team, it is never too late, contact me and I will pass your name along to the right people.

The number of trainings with STEM related topics at Multi-Faceted and Area events has increased in the past few years. Robotics continues to be a crowd favourite and Candy Chemistry (adapted from the Quebec Meeting in a box) is certainly an easy one to take back to unit meetings.

If you have an idea for a STEM, related topic you would like to see at training, please contact your Area Training Adviser and she can see if someone on their team has the expertise to deliver the subject.

For those looking to combine crafting with their technology I personally cannot wait to try building my own smartphone projector from a shoebox. I found a great How To video at <http://www.instructables.com/id/Build-A-Smartphone-Projector>.



OAL WEEKEND TRAINING

Twyla Jenkins & Kathy Cawthorpe

This training at Camp Sherbino (near Sylvan Lake) is open to all Adult Members and Rangers and covers the modules needed to obtain the Residential Camping and the Tent Camping streams of the Outdoor Activity Leadership Program. Topics include: leadership, pre-camp planning (paperwork, timelines, budget, parent meetings, kit lists, etc.), menus and cooking methods, sanitation, program ideas and activities, ceremonies, safety, tents and tarps, knots and gadgets, axes and knives, questions and answers, participant sharing.

The OAL Residential camping training takes place on Saturday, June 2, 2018 from 9:00 a.m. – 5:00 p.m. and the OAL Tent camping runs from Saturday, June 2, 2018 until noon on Sunday, June 3, 2018. Of course, the tent camping experience requires participants to stay overnight in a tent. You can bring your own tent, or we can supply a tent. Just let us know, so we can be prepared. Staying for both days gives you both residential and tent camping streams.

The deadline to register is May 1, 2018. Refunds will not be given after this date.

Watch ANY_GuideNews and the Alberta Council website for registration details

Bring your health form, dishes, water bottle (filled), sunscreen, and insect repellent. Remember to dress for the weather as we plan to be outside all day. The cooking sessions will provide our meals. If you are staying overnight, please bring your bedroll. If you have any questions, please contact twylajenkins1@gmail.com.

SCIENTIFIC FIRESTARTER EXPERIMENT

Julie Kitzi, Alberta Council Camping Adviser

Objective

To test three different types of firestarters to see which one is the most effective.

Materials

- Cardboard egg carton
- Dryer lint
- Paraffin wax (found with the canning supplies in the grocery store)
- Newspaper
- String
- Cotton Balls
- Petroleum Jelly



Experimental Procedure

Firestarter #1 - Egg Carton and Lint

1. Melt paraffin wax
2. Fill egg carton holes with dryer lint.
3. Pour wax over lint into egg carton

Firestarter #2 - Newspaper

1. Melt paraffin wax
2. Cut newspaper into strips approximately 2 inches wide.
3. Roll 10 strips together and tie with string
4. Dip newspaper into wax to coat

Firestarter #3 - Cotton Ball

1. Coat half a cotton ball with petroleum jelly



Observations

Each firestarter was lit with matches and burned in an aluminum pie plate outdoors at a temperature of -12°C with an average wind speed of 11 km/h.

Firestarter	Burn Time	Comments
Egg Carton & Lint	7 minutes	Largest flame.
Newspaper	5 minutes*	Smallest flame since it burned along the roll.
Cotton Ball	4 minutes	Easiest to light.

*Blew out by a gust of wind before the entire roll burned.



Conclusion

All three firestarters were effective and burned for at least 4 minutes. The egg carton firestarter burned the longest and had the biggest fire. The cotton ball firestarter was the easiest to make and lite easily with one match.

STEM PROGRAMS & GUIDING CAREERS

Dana Wagner, Alberta Council Program Adviser

Our STEM programs are a fun and excellent way to introduce the girls to so many different activities and careers in Science, Engineering, Technology and Math. Doing STEM programs with the girls introduces them to options and exposes them to new activities. Alberta Council is fortunate to have many Guiders who have pursued careers in STEM fields. Take a moment and learn about how their careers and Guiding have combined.

Amanda Reid

Job Title: Advanced Care Paramedic and Firefighter
Years in Guiding: 19

How do Guiding and your career connect? I still remember when I went to the fire hall as a Brownie! Since then Guiding continues to remind me how I am a strong female role model in the community, to be confident and make a difference in the world.



Emily Herdman

Job title: Resource Management and Biodiversity Specialist/Wildlife Biologist
Years in Guiding: 32

How do Guiding and your career connect? You might not believe it, but wildlife biology is all about people. Being able to make connections with people of diverse backgrounds and diverse interests is probably the most important part of my job, and something that I first began to learn through Guiding. Guiding also really developed my passion for nature through backcountry camping and experience-based learning.



Angela Smith

Job Title: Help Desk Analyst
Years in Guiding: 34

How do Guiding and your career connect? Every day I think about how the new technologies or applications that I see at work can improve the lives of Guiders or the staff at the Alberta Council office. The less time Guiders spend doing administration, the more time they have to spend with



the girls having fun! I got my first job from my Pathfinder/Ranger Guider, who was a female IT Administrator. I learned so many things from her. I had not really thought about what I wanted to do when I grew up, but working with her helped push me in this direction. Angela is the Alberta Council Web Coordinator too.

Lori Hodgson

Job Title: Dentist
Years in Guiding: 23

How do Guiding and your career connect? We did not have STEM in the program when I was a girl. I have met many women in Guiding who are engineers, work with chemicals and other things that girls my age were not encouraged to do. Guiding gave me the skills to be confident and experiences to help me decide what I would do with my life.



Shane Schulz

Job title: Engineering Manager
Years in Guiding: 11

How do Guiding and your career connect? Guiding taught me to be prepared in all aspects of my life, from packing for a camping trip to being sure I have the answers for questions during a technical presentation. I also learned resourcefulness, leadership and creative thinking for problem solving. However, the two biggest parts of my Guiding years that transfers to work has been learning how to work as a team and accepting diversity. My work requires many people with very different experiences and backgrounds to come together to solve issues and my Guiding years have definitely help build those skills.



Alberta Council has a great STEM Challenge for all branches. The girls will have fun exploring the wonders of science. Or, put on your sleuthing cap and learn about fingerprints, extracting DNA from fruit, or making invisible ink with the CSI Challenge. Have fun and get a little messy with science, technology, engineering, and math.

One of our girls is an astronaut in the making, just like Roberta Bondar. Maybe she is in your Unit. Let's help them make their dreams come true with STEM.

SUMMER 2018 CAMPS

Sponsored by the International Committee:

Colour Your World

When: August 19-25, 2018

Where: Calgary, AB

Who: 2nd & 3rd year Guides

What: Learn about International Guiding by trying different foods, dances, games and crafts from around the world.

Sponsored by the Program Committee:

Arts Camp

When: August 12-18, 2018

Where: Tangletrees Girl Guide Camp, Pigeon Lake, AB

Who: 2nd & 3rd year Guides, and 1st & 2nd year Pathfinders

What: Program focuses on a variety of art activities, campfires, hiking, games and friendship.

Ranger Camp

When: July 29-August 5, 2018

Where: Edmonton, AB

Who: All Rangers

What: A chance for Rangers to be girls and have fun doing program and not leading program.

Sponsored by the Camping Committee:

Guide Camp

When: July 15-22, 2018

Where: Camp Vanier, Near Cold Lake, AB

Who: Guides

What: A camp for girls to learn and build their camping skills and share in the sisterhood of Guiding.

Pathfinder/Ranger Camp

When: July 8-14, 2018

Where: Camp Sherbino in Sylvan Lake, AB

Who: All Pathfinders and Rangers

What: A fun way for girls to spend a week trying new adventures and sharing in the sisterhood of Guiding.

Advanced Summer Backpacking Camp

When: July 22-28, 2018

Where: Starting point Calgary, AB for trip in an Alberta Park, specific park to be confirmed.

Who: 3rd year Pathfinders and all Rangers

What: A camp for girls to learn and build their backpacking and adventure camping skills.

Watch ANY_GuideNews and the Alberta Council Website for registration information. Please share with the girls in your units.

MEMBER OPPORTUNITY-YOUTH FORUM

The ALBERTA COUNCIL YOUTH FORUM is recruiting a second adult member. Now a full 10-member team, the Youth Forum is energized for an exciting year ahead. Many of the on-going projects and assignments require the support of a second adult. This position is a committee member under the guidance of the Elected Member, Youth Forum Chair. Please see the full posting and application on the Alberta Council website.



For more information contact Noreen
youthforumchair@albertagirlguides.com
Application Deadline is February 28, 2018.

STEM NIGHTS

Marg Easson/Kathy Kibblewhite,
Alberta Council Safe Guide Advisers

When planning a STEM meeting for your girls, determine if the meeting is a green or yellow Safe Guide event.

If you are using **special equipment**, the meeting becomes yellow. Safe Guide defines **specialized equipment** as equipment that requires specialized training and/or skill for safe use. This includes, but is not limited to, any equipment that is unfamiliar to the girls especially if due to their age, the girls may need more careful and attentive supervision. Such as, chemically based products (with Workplace Hazardous Materials Information System [WHMIS], corrosive or toxic warning labels), power tools, soldering tools, and equipment for rock climbing, rappelling, alpine skiing, snowboarding, snow tubing at a facility that provides tubes, horseback riding, gymnastics and archery. Often a third-party service provider or Activity Facilitator leads activities using this equipment.

Safe Guide defines **Activity Facilitator** as an individual who is responsible for leading, instructing, or running an activity. This includes instructors, resource persons, guides, adult members or non-members acting in this capacity. The Responsible Guider is responsible for the overall care and safety of participants during the activity. (*See also Third Party Service Provider.*) Some examples of an Activity Facilitator include: a student who facilitates a science session at a university; a museum guide, zookeeper or conservation officer that comes to a sleepover with animals as part of an educational/conservation program; or someone (volunteer or paid) who has expertise in the use of specialized equipment (see definition above).

If using an **Activity Facilitator** for **specialized equipment**, the Responsible Guider is required to provide the documents and/or current certificates that give details of the facilitator's training and/or credentials. Attach this information to the Activity Notification or Authorization (SG.3).

Safe Guide stipulates the following conditions for Activity Facilitators of green and yellow level activities. All supervisors and Activity Facilitators (Guiding and non-Guiding) must be oriented to the activity and their role. A Guider must be present when any male Activity Facilitator is present with girl participants. The Activity Facilitator must be a minimum of 16 years old.

However, if the Activity Facilitator is arranged through another organization (e.g. a sport organization), the sport's age limit on activity facilitation is acceptable to GGC. When an Activity Facilitator is not the provincial age of majority (18 in Alberta, 19 in Northwest Territories and Yukon), this individual's parent/guardian permission must be obtained using the Activity Plan (SG.1) form and the Parent/Guardian Permission (SG.2) form. The Activity Plan (SG.1) must include the setting, the number and age of the participants as well as the support provided by adults.

First-hand experience in the activity and in the specific area/location is of great importance in understanding risk factors and avoiding known risks – it increases the margin of safety. In choosing an Activity Facilitator, asking about the following will help you make a good choice:

Can other Guiders recommend them?

Are they well-known in the community and do they work regularly with members of the public? Do they deal regularly with children?

Do they have specific qualifications, licenses or training?

Do they follow sport or industry guidelines and standards?

Do they provide equipment suitable for the size/age of girls?

What does this all boil down to?

A 19 year-old female third-year Biophysics university student is coming in to show your girls how a fish swim bladder works using a plastic pop bottle, a plastic bulb, water, food colouring, an elastic and plastic streamer. This is a green event, with the Activity Facilitator and supervised by Guider.

A 18 year-old male second-year Computer university student is coming to your Unit meeting in Yukon to demonstrate how to "program" a robot to move using the commands turn right, turn left, forward, and backward. This is a green event, with a minor Activity Facilitator and supervised by Guider.

You have someone coming in to assist with girls building birdhouses. The girls will be using tools that may include saws, and electric screwdrivers, which Safe Guide considers specialized equipment. Even if this activity is at your meeting hall on a regular night it would be considered yellow and paperwork would need to be submitted.

You are planning a meeting outside where the girls will be experimenting with different stoves – again this is specialized equipment and is a yellow event.

MEMORIES

Alberta Council AGM and Banquet

April 28th, 2018

MacEwan Conference Centre Ballroom

2500 University Drive NW

Calgary AB

Friendship

Trivia

Annual Meeting 6:00 pm

Banquet 6:45 pm (Dinner at 7:15 pm)

Tickets \$50.00

To purchase your tickets, contact Kari

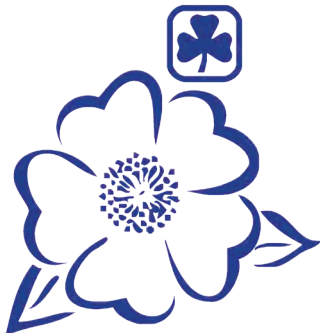
info@albertagirlguides.com

or call 780-424-5510

Deadline for tickets: March 23, 2017

Remember the Past

Silent Auction



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Alberta Council**

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girlguides.ca/ab/

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articles for the next edition of
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Send your submissions to
Blue-Print@albertagirlguides.com

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