

**Dawson Makerspace Feasibility Study  
for the  
Klondike Development Organization**

**Project Summary Report**

**Submitted by**



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**30<sup>th</sup> March 2018**

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## Executive summary

This feasibility study was commissioned by the Klondike Development Organization as part of the wider Regional Economic Development Plan for the Tr'ondëk Hwëch'in Traditional Territory. The intension was to investigate the potential for a makerspace, or equivalent, facility in Dawson City. The idea is not new to the community. In 2016 around 50 people attended an inaugural meeting at Conservation Klondike Society's downtown recycling depot. While there was considerable interest, no one group had the capacity to pursue the matter further at that time.

Research and consultation for this current feasibility study began in early February 2018 and was completed at the end of March. Consultation took two forms. Individuals' preferences were appraised to gauge interest and possible levels of participation. An online survey was the principle mechanism, coupled with social media coverage, informal discussions and a public meeting. Prospective community, government and institutional partners were identified, with discussions centred on the potential for formal partnerships and capacity sharing and building. Public support was and remains, considerable, with levels of community organization interest equally apparent. There is a demand and desire for a makerspace facility with all the benefits it may bring.

Locations suitable to host makerspace facilities were investigated, including existing buildings in current use, properties with intermittent use, vacant or derelict properties and vacant lots. At this point it was noted that not only did the community benefit from a number of appropriate buildings, but the majority currently hosted facilities and equipment common to makerspaces; or were planning to develop workshops and studios by the end of the year. As the investigations continued, it became apparent that the stand-alone facility model most commonly utilized by makerspaces may not be the only option for Dawson City; and a makerspace umbrella society (potentially housed at one location) and overseeing activities at multiple locations may serve the community better.

Business models and membership schemes were examined to determine the most effective management regime and identify affordable mechanisms to maximize and retain community participation.

Of course there remains some uncertainty that interest will translate into membership subscriptions or that demand is as high as research has indicated. However, given the apparent enthusiasm for a facility and examining the experiences of YuKonstruct, Whitehorse's successful makerspace, there is sufficient evidence to support a pilot project. This will be an opportunity to better gauge interest over a 12 month period, and seek to identify best practices and areas for enrichment and improvement.

It is hoped this study will act as a catalyst for a developmental stage and that Dawson Makerspace may be one step closer to fruition.

## Background

A makerspace, or equivalent, is not a new idea in the community. In May 2016 a group of around 50 interested residents, along with community organizations Conservation Klondike Society (CKS), Klondike Institute of Arts and Culture (KIAC) and (S)Hiver Arts Society (SAS), and the Whitehorse makerspace YuKconstruct, met to discuss potential. Discussions centred on the prospects, preferred activities and workspaces, possible locations and the role of YuKconstruct in expanding into the community.

Further community sessions began to identify needs and prioritize functions and possible locations. Despite this interest no existing organization had the capacity to proceed with detailed planning or feasibility analysis. Further consultation with interested community members around structuring a Dawson-adapted version of the concept was required to inform needs.

The Klondike Development Organization took the lead on the project as part of the Regional Economic Development Plan for the Tr'ondëk Hwëch'in Traditional Territory, and initiated this current feasibility study in early 2018. Consultation and analysis was undertaken in four key areas: *Community interest, Potential partners, Makerspace format, and Financial models*.

Almost 90 people completed the online survey, with over 130 joining the Dawson makerspace Facebook page to date. Discussions took place with over a dozen community organisations, institutions and governments, and around 20 locations were investigated and assessed as potential hosts. Research included investigations into the wider implications of the makerspace movement and the experiences of other makerspace operations. The report is thus an assessment of community benefits, demand and capacity, economic considerations, financial implications and current best practices.

## Methodology

Feasibility studies, and development planning in general, require a baseline examination of existing and planned capacity to ascertain current status, identification of goals and objectives and the means by which these can be achieved, and assessment of the material and financial considerations implicated by the development.

Research for the project concentrated on assessing community demand and capacity, investigating community partnerships, determining appropriate spaces and organizational formats, and financial implications and sources of revenue.

*Community interest:* Interest from residents and parties was gauged through an initial online survey and social media; assessing community awareness, levels of participation and preferences.

*Potential partners:* Institutions and organisations were approached to determine relevance, potential participation and the nature of partnerships. Organizational facilities were assessed for feasibility within the makerspace project.

*Makerspace format:* Options for the nature and content of a makerspace were researched, based on responses from the community and local partners. Organizational models were assessed for suitability.

*Financial model:* Membership models, and financial options, sources and outcomes, were investigated for various forms of operation.

*Monitoring:* Monitoring the project is equally as important as the implementation. Protocols should be introduced and maintained for regularly monitoring the success of the project.

In addition to reviewing information from the 2016 makerspace initiative, community interest in this current 2018 project was gauged through an online survey, social media, a public meeting and informal discussions. Almost 90 people completed the online survey, with over 135 joining the Dawson makerspace Facebook page to date. A public meeting was hosted at Yukon College on the evening of 13<sup>th</sup> March 2018 and attended by around a dozen people. Informal discussions and email exchanges helped raise awareness of the project within the community.

Discussions took place with 15 community organisations, institutions and governments. Expressions of interest and support came from City of Dawson, Conservation Klondike Society, Dawson City Community Library, Industrial Arts and Technology Society of the Yukon, Klondike Institute of Arts and Culture, Robert Service School, (S)Hiver Arts Society, Tr'ondëk Hwëch'in, Yukon College, Yukon School of Visual Arts and YuKconstruct. Parks Canada expressed an interest, but is unable to commit at this stage. In addition, approximately 10 organisations had, or were planning for, facilities that may be utilized by a makerspace project. Around 25 locations in total were investigated and assessed as potential host sites.

There are around 1500 makerspaces in existence. Research included investigations into the wider implications of the makerspace movement and the experiences of other makerspace operations. Many have an online presence and research was undertaken on a variety of groups (smaller-scale and Canadian makerspaces where possible) to determine how and where groups operate, the nature of host facilities, and to identify best practices and issues. Specifically, information on business models (capital investments, revenues and operating costs, and funding sources) for other makerspaces provided useful guidance on financial options. YuKconstruct played an important role in this aspect of the review.

## Makerspaces and community benefits

### What is a Makerspace?

While there are many types and definitions, ‘makerspace’ is a general term for open access spaces or workshops where people gather informally to make or create things. They are typically places that foster creativity, discovery, and ‘making’ alongside peers who can share knowledge and spark new ideas. Makerspaces can host a wide variety of traditional and modern tools and technology and can serve a multitude of activities and purposes.

### Types of makerspace.

Community workshops and cooperatives have existed for a considerable period of time. The contemporary version we’re familiar with today was born out of the computer revolution and the development of the *Hackerspace*. The concept of a hackerspace started as places where a community of computer programmers could collectively meet, work, and share infrastructure. They would “hack” technology and try to adapt it for other purposes beyond its original use. As digital technology grew so did the concept of the *FabLab*. FabLabs were started by MIT as small-scale workshop offering digital fabrication. A natural extension to the free enterprise of FabLabs, *Techshops* formed as a chain of for-profit makerspaces. They bill themselves as part prototyping and fabrication studio and part learning centre. Their spaces are almost wholly supported by monthly fees from the maker/members who join.

*Makerspaces* are the more generic and widely utilized form that developed from the hackerspace principle and are collaborative public work spaces for making, learning, exploring and sharing. Makerspaces are highly inclusive, with a strong ethos that everyone should be able to take part regardless of their background or financial circumstance. They are considered agenda-less, with every individual able to decide what they want to work on free of judgement from others. It is this form of creative space that will be the focus of this feasibility study.

### Why do people use makerspaces?

Broadly speaking, the makerspace movement can help people become familiar with, and even master, technology with a number of benefits:

- Self-fulfillment
- Education and skills development
- Employment and economic opportunities
- Social interaction
- Retail opportunities
- Community confidence
- Community attractiveness

The benefits of makerspaces, or equivalents, are many and varied. Makerspaces are increasingly being looked to as a method for engaging communities in creative, higher-order problem solving through hands-on design, construction, and iteration. While they do not come without their challenges, makerspaces can have a significant impact on individual and community development.

### Community consultation and potential participation

Public consultation took the form of an online survey, a public meeting and through social media. The full *Survey Monkey* results are available as Appendix 1. The online survey results will help direct decisions on a pilot makerspace project, and into the longer term. Analysis of the results from the 87 submissions can be found in the separate 'Survey Summary and Analysis' document. A summary of the responses and analysis is as follows:

#### Q1 If a makerspace was started in Dawson City, in what ways do you think you might get involved (please check any that apply)? Top 4 rated answers shown

ANSWER CHOICES	RESPONSES
Taking workshops	89.66%
Using the space and equipment to 'make stuff' independently	83.91%
Attending presentations or demonstrations	80.46%
Attending occasional social events with a 'maker' focus	75.86%

Taking workshops and attending presentations or demonstrations both rated highly. With those figures it may be surprising to note that independent use of a space was as equally in demand. This may indicate a desire to learn or enhance skills prior to utilizing them independently in the workspace. The high score for events with a social focus reflects the community aspects of many makerspaces. A quarter of respondents are willing to instruct and a similar amount willing to lend or donate tools; this will serve the makerspace well and reduce the reliance on purchases or hiring from outside of the community.

#### Q2 What types of spaces would be most important to you? (Pick all that apply). Top 3 rated responses shown

ANSWER CHOICES	RESPONSES
Carpentry and wood working.	72.94%
Textiles and handcrafts.	62.35%
Sculpting and ceramics.	49.41%

Carpentry and woodworking, along with textiles and handcrafts were the most popular options. The others were all consistently within the 30-40% range which indicates strong preferences over a broad range of activities. Shared studio space registered perhaps lower than expected, although this category could potentially fit within some of the other submitted options (textiles, printing and digital) and may encompass other table-top activities.

**Q3 Please list the specific machines, tools, and equipment that would be most vital to your work in the maker space.** The 5 most popular responses are listed.

SUGGESTIONS	RESPONSES
Wood working tools	18.46%
Band saw	16.92%
Pottery and ceramics	15.38%
Sewing machines	15.38%

The high level of responses for woodworking tools (both power and hand tools) reflects the potential demand for carpentry and woodworking indicated in Question 2. Ceramics is especially popular with equal preferences for both wheels and a kiln. Similarly, sewing scored highly, particularly when industrial and 'domestic' values are combined.

**Q4 When would you expect to access a Dawson Makerspace? Pick all that apply.**

ANSWER CHOICES	RESPONSES
Weekdays (Monday to Friday from 9am - 5pm)	43.53%
Weekday Evenings (Monday to Friday from 5pm - 11pm)	90.59%
Weeknights Overnight (Monday to Friday from 11pm - 9am)	28.24%
Weekends (Saturday & Sunday)	88.24%

The responses are as anticipated, as most users would be expected to prefer access out of normal office hours. It is not envisaged that the space would be used by professionals, particularly in the initial stages. The overnight access score is significant.



**Q5 How often would you anticipate using a Makerspace membership?**

ANSWER CHOICES	RESPONSES
Daily	1.16%
A few times a week	38.37%
Once a week	32.56%
Once a month	27.91%

Although the three chief responses are of the same magnitude, it is encouraging the most popular option is to aim to use the facilities a couple of times per week. Weekly, or better, use contributes to almost two-thirds of the total expected usage.

**Q6 How much would you pay per month for a membership granting you access to: 1- tools, 2- space, 3- a community of fun, smart people, 4- discounts on workshops and 5- safety training and orientation? (Makerspaces in Canada charge from \$50 - \$150 per month for memberships, depending on hours of access and tools provided).**

ANSWER CHOICES	RESPONSES
Less than \$40.	12.94%
\$40 - 60.	44.71%
\$60 - 100.	20.00%
More than \$100.	2.35%
I'm interested in a day pass or occasional use.	18.82%
I'm interested in group use for my business/organization.	1.18%

The most popular option (\$40-60) falls in line with the fee structure available through other makerspaces. That almost one quarter of respondents indicated potential to pay up to \$100 per month may be surprising. However, if a space and facilities are in demand and sought after, and will be frequently used, the rate per hour is very reasonable in comparison to purchasing equipment outright. The day use option scored higher than perhaps expected. Other comments noted the fees must relate to the facilities available, and without that knowledge it is difficult to provide an accurate answer.

**Q7 Would you pay extra for 24 hour access?**

ANSWER CHOICES	RESPONSES
Yes.	47.67%
No.	52.33%

The almost 50% split indicates a higher than expected demand for 24 hour access, although the potential was apparent in Question 4 concerning access.

**Q8 Being as specific as you can, is there anything you would like to learn how to do in a makerspace environment?** The 11 most popular responses are listed.

SUGGESTIONS	RESPONSES
Wood working	18.33%
Ceramics and pottery; Wheels and kiln	10.00%
Electronics; Electronics repair	8.33%
Welding	8.33%
Carpentry	6.67%
Small engine maintenance; Repairs	6.67%
Cabinetry	5.00%
Furniture making; Design; Repair	5.00%
Photography; Photographic equipment; Food photography	5.00%
Quilting	5.00%
Sewing, basic seamstress work	5.00%

The combined figures for learning to work with wood (around 35%) indicates that about half those intending to use the facilities for woodworking would be interested in training or skills development. The small demand for sewing instruction is in contrast to the much higher need (25%) for sewing machines. The wide range of skills required reflects, to some extent, the high desire for training and instruction.

**Q9 If lessons or training sessions were provided for activities, which would you prefer?**

ANSWER CHOICES	RESPONSES
Informal orientation	48.81%
Formal classes	79.76%
One-on-one instruction	40.48%

Formal classes again rated highly, in line with responses to Question 1. This response shows a marked preference over informal orientation. The demand for individual instruction was perhaps higher than anticipated.

**Q10 Being as specific as you can, is there anything you would be willing to instruct or teach on a paid basis?**

The array of potential skills instruction is more than ample, even at a basic ability level. The high demand activities like woodworking, ceramics and sewing are well represented. A wide range of arts and crafts activities, digital manipulation, metal working, and culinary related activities are on offer. The results will enhance potential for hosts to have free access to facilities in return for supervision and instruction roles.

**Q11 Being as specific as you can, is there anything you would be willing to teach on a volunteer basis?**

Carpentry and woodworking, metal working, sewing and handcrafts make up a good portion of skills that are available within the community. While not as widespread as the skills on offer as paid instruction, the list for volunteer instruction is still impressive. Utilizing volunteers will help reduce costs, particularly in training and supervision.

**Q12 Would you be interested in becoming an active member of a Dawson Makerspace organization?  
Perhaps as a board or committee member, volunteer, etc.?**

ANSWER CHOICES	RESPONSES	
Yes.	39.29%	33
No.	17.86%	15
Maybe	42.86	36

That almost 40% of respondents (33 potential members) indicated a willingness to be active members in a society is heartening, especially when there are already so many volunteer demands on residents.

**Q13 Do you have any tools, equipment, computers, furniture or instructional books you would lend or donate to Dawson Makerspace? If so, what exactly?**

Carpentry equipment.	Mechanic hand tools
Carpentry tools	Mechanical hand tools
Clay tools	Musical instruments
Computer	Old laptops (in need of some repair)
Cutting torch.	Patterns
Electronics ie ipad, lap top	Photography books
Forgeing tools	Quilting books
Frames and scrap fabric	Sewing machines.
Furniture	Silkscreen screens
Hand tools	space available
Industrial serger	Spanish language course books
Industrial sewing machine	Textile instructional books and patterns
Knitting supplies (needles, yarn).	Tools
Leather working books	Woodburning kits
Leather working tools	Woodworking tools
Materials to build with	

The range of equipment that may be available is impressive and could help fulfill need at minimal costs. Tools and equipment in the high demand categories are represented. There will be a need for a 'call out' for donations of equipment once demand has been established. A key task will be to match demand with equipment.

**Q14 Do you have any other comments, questions or suggestions regarding a makerspace in Dawson City?**

Many of the comments reiterate those heard during the public meeting and in conversations with community residents and organisations. The enthusiasm for a Dawson Makerspace comes through well.

## Makerspace partners and locations

The following governments, institutions and community organisations have indicated support for a 'Dawson Makerspace' and shown a willingness to develop a formal partnership with a makerspace society or organization. The groups are listed purely in alphabetical order.

### Potential partners

**City of Dawson:** The City of Dawson cannot give any formal preferences to a makerspace, over and above the assistance it already provides for community organisations through the provision of facilities and programs, reduced facility rental rates, community grants programs and letters of support. The City supports makerspace development in the community.

**Conservation Klondike Society:** CKS took a lead role in initiating the initial makerspace investigation, and is willing to be a leader on the current project. The society expects to move into new premises in the Callison industrial area sometime within the next 12 months. In addition to there being potential to incorporate some, perhaps more industrial makerspace-related activities there (and produce materials for use in a makerspace), the society intends to develop a makerspace at its current downtown office and recycling depot on Second Avenue. The society is investigating being a host for industrial sewing, bicycle repairs, woodworking, welding and tool library.

**Dawson City Community Library:** Library makerspaces are one of the most common models; either through a direct expansion of library services or in conjunction with an independent makerspace or society partner. Approximately 15% of current computer use at the Dawson City library is for 'creative' purposes. A partnership could lead to improvements in printing facilities and quality, creative software, graphic design and communications development; available to makerspace members and the public. The local printing and publishing festival, operated through library funding, could serve as a focus for makerspace development in those areas.

**Industrial Arts and Technology Society of the Yukon:** This recently formed society is willing to take a lead role in the development of a makerspace, and to ensure industrial arts are equally represented as the visual arts and digital media. The society does not have a formal operating venue at present, and intends to help develop and potentially enlarge workshop facilities at Robert Service School.

**Klondike Institute of Arts and Culture:** KIAC is fully supportive of the makerspace initiative. Space in the building is at a premium and thus the society is better placed to assist through the provision of equipment and utilizing its existing programming and administrative resources. No concerns were raised with a makerspace taking on some of the activities KIAC currently programs. Indeed in addition to KIAC creating space through donating some of its equipment, a partnership may allow KIAC to widen its programming in previously limited areas.

**Parks Canada:** The agency owns and manages a number of historic buildings and sites in the community. Ongoing initiatives are focused on retaining these buildings for future enjoyment and potential use. While supportive of a makerspace principle, the agency is not yet in a position to partner with the current proposals but intends to consider makerspace uses in future decision making.

**Robert Service School:** The school has two existing workshops (woodworking and metal) and a drafting classroom, and is working with the Industrial Arts and Technology Training Society Yukon and private industry to enhance its facilities. The School's Technical Education department and Yukon Government Learning Branch support a makerspace proposal in principle. The current focus is on the provision of student education and thus third party access to the spaces is limited at present. There is potential to include community makerspace users and programming in the future.

**(S)hiver Arts Society:** The Society doesn't have premises of its own but is looking at a commercial venture to operate alongside, and help fund, a makerspace project. Partnership potential remains high if resources could be shared.

**Tr'ondëk Hwëch'in:** Plans are in place to refurbish the Hän Carpentry Shop on Front Street for its citizens to use to develop skills, particularly in traditional crafts and repairing artifacts. The new Youth Centre, planned for its space on Second Avenue, is expected to host digital media and recording facilities. Partnerships have been encouraged to enable makerspace use at those venues, with priority given to Tr'ondëk Hwëch'in citizens and programs. The Dänojà Zho Cultural Centre has limited capacity for regular makerspace programming, but may be able to host occasional and appropriate workshops.

**Yukon College:** The Dawson campus is keen to participate in a makerspace initiative, and to assist in the provision of some programming and skills development that it is unable to undertake at present. A partnership could extend beyond utilizing the college's computer lab, digital media infrastructure and classroom space; perhaps in the form of a shared coordinator position to develop and administer programs and skills development. A sharing of combined resources could play an important role in creating a sustainable makerspace entity.

**Yukon School of Visual Arts:** The facilities at SOVA are well-suited as a makerspace, and could be available when not in use for formal instruction. The makerspace principle is supported and a partnership could be developed which would benefit both organisations and increase the use of the studios and facilities. Initial activities may be limited to what is currently mandated and practiced within the studios, but there would be potential for these to be enhanced and expanded.

**YuKonstruct:** YuKonstruct indicated in 2016 that it was investigating potential to expand its operations and expertise into the communities. A lead role in this initiative is unlikely in the coming year with the society focusing on its move to new larger Whitehorse property. The society remains willing to partner with a Dawson Makerspace and share its experiences and expertise in the short to medium term. It provided a great deal of information and advice as part of this feasibility study.

## Summary

From within these 12 organizations formal and active makerspace partnerships are likely with the majority. These may take a variety of forms, with Yukon College, Industrials Arts and Technology Society Yukon and Conservation Klondike indicating potential to be leaders in a makerspace project.

## Potential Locations

Around 25 locations were investigated as potential makerspace locations, and fall into four categories. The majority are active buildings complete with existing or planned facilities. Some are buildings that host other uses, but could be utilized as a makerspace, while others currently stand unoccupied and in need of refurbishment. Vacant lots were also explored. The listing highlights only those sites that have a reasonable potential as makerspace hosts and are highlighted according to availability; a number of locations have very good makerspace potential but remain in the construction or planning stage. Indications are that some of the educational institutions would prefer formal arrangements to begin with the fall term. A brief explanation of locations that were considered unsuitable or not currently feasible is included at the end of this section.

**Buildings with current facilities and availability:** These are locations currently in use by the host, which have facilities and equipment suited to proposed makerspace uses. It is expected these could be made available for immediate use. *The groupings are listed in each section purely in alphabetical order and the complete detailed listing is contained in the 'Dawson Makerspace Potential Locations' document.*

Host	City of Dawson	Location	Minto Park Concession Building
Potential and requirements	Good potential for shared studio space; with limited activities. Rental fees may prove prohibited. A user agreement, liability insurance and supervision will be required.		

Host	City of Dawson	Location	Recreation Centre
Potential and requirements	Limited potential for shared studio space with limited activities; poor natural light and uncertain availability. Uncertainty over the future of the centre. User fees may prove prohibitive.		

<b>Host</b>	Dawson City Library	<b>Location</b>	Robert Service School
<b>Potential and requirements</b>	<p>The library is interested in expanding its role and user groups, and a makerspace could assist in reaching those goals. Improvements to equipment would increase capacity and increase the range resources available to makerspace members and library patrons.</p> <p>A user agreement, liability insurance and supervision will be required.</p>		

<b>Host</b>	Klondike Institute of Arts and Culture	<b>Location</b>	Oddfellows' Hall
<b>Potential and requirements</b>	<p>While the classroom facility is well-suited a makerspace, and has been used as such for some time, limited availability restricts its potential. It is expected KIAC may be a formal Dawson Makerspace partner, and could assist in the provision of its space in a limited capacity.</p> <p>A user agreement, liability insurance and supervision will be required.</p>		

<b>Host</b>	Yukon College	<b>Location</b>	Yukon College Campus
<b>Potential and requirements</b>	<p>The college facility is especially well-suited some makerspace activities. It is hoped Dawson Campus may be a formal Dawson Makerspace lead partner, and will assist in the provision and sharing of facilities and equipment.</p>		

<b>Host</b>	Yukon Order of Pioneers	<b>Location</b>	YOOP Hall
<b>Potential and requirements</b>	<p>To be determined: the society is conducive to reaching an agreement.</p> <p>A user agreement, liability insurance and supervision will be required.</p>		

The City of Dawson Public Works workshops were discounted, as the municipality requires emergency access to its facilities at all times. Commercial workshops, garages and business in the community were unlikely to commit; a makerspace could interfere with their business and liability and safety issues were considered problematic.



**Locations with facilities expected to be available in the fall 2018:** These locations will not likely be available until the fall for practical reasons, or are in the construction or planning stages, with an expected completion date this fall.

<b>Host</b>	Conservation Klondike Society	<b>Location</b>	Downtown Recycling Depot
<b>Potential and requirements</b>	<p>High potential for shared workshop space with sewing and small repair activities. Redevelopment of space should ensure sufficient operating requirements.</p> <p>Expected CKS will be a formal Dawson Makerspace partner.</p>		

<b>Host</b>	Conservation Klondike Society	<b>Location</b>	Callison Processing Centre
<b>Potential and requirements</b>	<p>Development of space could consider makerspace options in addition to necessary operating requirements. It is expected CKS will be a formal Dawson Makerspace partner, and benefit from membership and makerspace revenues.</p>		

<b>Host</b>	Robert Service School/Industrial Arts and Technology Society Yukon	<b>Location</b>	Robert Service School
<b>Potential and requirements</b>	<p>While the workshop and classroom facilities are well-suited to a makerspace, limited availability restricts its potential in the short term. It is expected IATSY (and potentially RSS) will likely be a formal Dawson Makerspace partner, and could assist in the provision of its space in a limited capacity. There is likely good potential for a formal partnerships and makerspace uses – particularly in the provision of training and skills development.</p> <p>A user agreement, liability insurance and supervision will be required.</p>		

Host	Tr'ondëk Hwëch'in	Location	Hän Carpentry Shop
Potential and requirements	<p>Once developed, the space will be an attractive and practical location for a Dawson woodworking makerspace. It is expected the First Nation may be a makerspace partner, with shared benefits.</p> <p>A user agreement, liability insurance and supervision will be required.</p>		

Host	Tr'ondëk Hwëch'in	Location	Dänojà Zho Cultural Centre
Potential and requirements	<p>Restrictions on availability, storage and capacity limit the potential for regular makerspace use. The centre may be able to host occasional, and relevant, workshops, but not activities on a regular basis.</p> <p>A user agreement, liability insurance and supervision will be required.</p>		

Host	Tr'ondëk Hwëch'in	Locati	Youth Centre
Potential and requirements	<p>Restrictions on availability hinder the potential for makerspace use.</p> <p>A user agreement, liability insurance and supervision will be required.</p>		

<b>Host</b>	Yukon School of Visual Arts	<b>Location</b>	Yukon School of Visual Arts
<b>Potential and requirements</b>	<p>Classroom facilities are used during term times but otherwise makerspace potential is very good; particularly if agreement can be reached for access when individual facilities are not in use. SOVA may be a formal Dawson Makerspace partner, and could assist in the provision of its space and equipment – mirroring the current activities that SOVA presents. Although there is no formal instruction during the summer months, staffing is reduced and there may not be the capacity to accommodate makerspace activities.</p> <p>A user agreement, liability insurance and supervision will be required.</p>		

**Buildings with current and planned uses:** These are locations currently employed for specific purposes, but may be made available for alternate uses including a makerspace.

<b>Host</b>	The Trading Post	<b>Location</b>	The Trading Post
<b>Potential and requirements</b>	<p>Some potential for shared studio space, with the lack of water reducing its attractiveness.</p> <p>A rental agreement, liability insurance and supervision will be required.</p>		

Other locations in this category were considered unsuitable:

- The Royal Canadian Legion
- Other formal meeting and conference
- Church halls were not part of this study.

**Vacant properties:** Three currently vacant properties were investigated in some detail;

**Hän Fisheries.** Tr'ondëk Hwëch'in Chief and Council have not yet made a decision on the building's prospects, and it may be some time before its future is settled.

**Former McDonald Lodge.** It may be some time before a decision is made, while renovation costs would be considerable.

**Yukon Sawmill.** Refurbishment and equipping costs would likely prove prohibitive even with

government support, as would operating costs and property taxes.

The costs of purchase and renovations discounted almost all other available buildings in the community at this stage; particularly as demand for the project remains unproven and does not justify the necessary investments at this stage. The cost of property continues to rise, and many suitable properties are in various stages of disrepair. Assessed against utilizing an existing useable property, the potential to renovate and refurbish vacated properties is currently considered low.

**Vacant lots:** One further option under consideration is to purchase a lot, or request land from the territorial or local governments, on which to build a makerspace facility. Downtown lots are presently at a premium and the current demand for housing is limiting availability. Construction costs are equally considerable. This option was regarded as the least attractive and viable.

### **Summary**

The community is especially well-served with existing locations and facilities. The majority of locations investigated could host a makerspace, each with its own specific uses. Around half of the sites incorporate equipment and infrastructure desired by makerspace users, while the others have capacity to operate as shared studio space. Much will be dependent on both availability, adherence to construction deadlines and use scheduling.

A primary concern of all potential hosts is the question of liability and insurance. Dawson Makerspace would need its own \$2M liability insurance to be able to access spaces and equipment at these locations. It is expected building insurance would remain with the hosts.

### **What should a Dawson Makerspace look like?**

Community spaces for skills development, creating and sharing exist in a variety of formats from small volunteer run operations to large for-profit technology labs. Conventional makerspaces are hosted within a single, and often multiuse, space and are normally non-profit societies. The range of activities and facilities on offer vary widely, dependent on demand and capacity. The majority share the same ethos; places that foster creativity, discovery, and 'making' alongside peers who can share knowledge and spark new ideas. Makerspaces can host a wide variety of traditional and modern tools and technology and can serve a multitude of activities and purposes.

### **Demand, membership and participation**

The first phase of the feasibility study was to assess community interest; and in particular gauge the strength of support and potential levels of memberships and participation. The initial public meeting in 2016 had an attendance of around 50 residents. The recent online survey, available during February and March 2018, was complete by almost 90 people, with over 80 respondents indicating an intention to use facilities. The Dawson Makerspace Facebook page currently has over 130 members.

In comparison, YuKonstruct's first community open-house was attended by 220 interested individuals; resulting in paid memberships of 60-80 during the initial start up. This has subsequently risen to 115. Translating this to Dawson City, and incorporating survey responses, we could realistically expect an initial membership of 30-40 rising to between 50 and 60 dependent on the fee structure and facilities.

Whether levels of demand and potential revenues are sustainable remain to be determined. They do indicate a degree of participation to support a pilot project.

## Community partnerships

Most makerspaces rely on partnership agreements to thrive. These can take different forms, the most common being:

***Shared benefit ventures with institutions and organisations:*** situations where makerspaces and organisations have shared goals and outcomes.

***Funding partnerships with government bodies, and institutions and sponsors:*** shared but wider community and regional benefits for funders and organisation may bring direct financial support to a makerspace.

Feasibility study research has indicated overwhelming support from community and territorial organisations and governments. Nine local institutions and the Tr'ondëk Hwëch'in government are willing to formally support a Dawson Makerspace and acknowledged the shared benefits of a joint venture. This level of partnership potential can bring considerable benefits:

- *Sharing resources*
- *Efficiency*
- *Flexibility*
- *Acquisition of funds*

Of course, partnerships rely on philosophies and benefits being to some degree mutual. The makerspace ethos and practical goals fit well with the expectations, functions and roles of the proposed partners. Each individual case is different, but the overall goals of creativity, resource reuse, inclusion, skills enhancement, economic development and diversity for the most part mirror those of the community, institutions and governments.

## Hosts and locations

Most commonly, makerspaces are based within a single facility, often shared with other entities. Others, like YuKonstruct in Whitehorse, have exclusive use of a property. Research has shown that, in addition to multiple potential partners, a Dawson Makerspace may have access to a number of host sites. Many of these are, or will be, equipped with tools and apparatus sought by makerspace members.

The benefits of a sole facility include simpler administration and supervision, easier access and control,

greater independence, higher efficiency and less duplication, and centralization. The facility can be the focus for the organization and the public. This does bring certain responsibilities, with rent or mortgage payments, operation and maintenance costs, insurance and liability, and potential restrictions on activities. It may not be feasible, for example, to host welding or metal work in the vicinity of computers or printing.

In addition to acquiring finance to purchase or construct a facility, there is a shortage of potential properties and presently not enough capacity to oversee a construction or refurbishment project. Facility operating and maintenance costs are ongoing issues with the bulk of independently-housed makerspaces throughout Canada.

There are multiple host options and opportunities throughout the community. Presently, SOVA is home to well equipped 2D and 3D studios, Yukon College has computer suites and classrooms, RSS boasts refurbished wood, metal and drafting workshops, Tr'ondëk Hwëch'in intends to renovate its carpentry shop and youth centre, Conservation Klondike Society plans to redevelop its downtown recycling centre into a makerspace facility, while the community library presently has computer and printing facilities and a meeting space. These groups have already indicated potential for a partnership agreement and Dawson Makerspace use of the facilities. Other locations, such as the Yukon Order of Pioneers Hall or the City of Dawson facilities, may be open to hosting some makerspace activities.

Sharing existing spaces and facilities brings some advantages. Partnership agreements can reduce or eliminate rental costs, operating and maintenance costs can be shared or remain the sole responsibility of the hosts, as could property taxes and building insurance. Sharing existing equipment reduces capital expenditures, while day to day administration will likely remain a host responsibility. It does reduce autonomy and can leave the tenant beholden to the host. Sharing can lead to complications or conflicts, and a lessened sense of ownership.

The potential for a single stand-alone multi-purpose makerspace in Dawson is currently considered low. A central operating base, housing the administration and some makerspace activities, is however an attractive option. Dependent on the space and activities, it would provide a focal point for the society and its membership, and reduce the need for supervision at that location. This may also bring in direct income through providing services (office or printing for example). In conjunction with partnering with multiple community host sites this may provide the most efficient and practical option.

***Recommendation R1. A multiple host model, with a central makerspace administrative centre (potentially incorporating makerspace functions), be investigated.***

## **Governance**

Many makerspaces are non-profit societies (or part of not-for-profit groups) with by a board of directors, and daily operations overseen by volunteers and/or paid staff. The non-profit model sits well with makerspace philosophies and usually has access to a wider range of government funds and initiatives than the private sector. A Dawson Makerspace society is also likely to garner greater community support than any private commercial venture.

Dawson is home to a considerable number of societies and NGOs and board member and volunteer burnout is common. Despite this, the advantages of a makerspace not-for-profit society and current levels of enthusiastic community support, indicate a registered society is the most appropriate way forward.

## **Management, operating and business model**

### **Pilot project**

While there remains some uncertainty regarding the scale and duration of memberships, sufficient community interest and support is apparent from the online survey responses and from formal and casual discussions with local organisations and residents. This indicates enough commitment to justify further development. A pilot project may be the most appropriate and realistic option. A full 12 month project can provide annual, seasonal and even monthly outcomes and statistics on which to determine future plans. A year-long period has been encouraged by the Yukon Government Economic Development branch, as the best means to fully assess potential and on which to best make decisions of future funding.

Initial indications were that the summer months are normally busy periods for residents, with little time for the more creative activities. In addition, some of the key hosts may not be in a position to partner until the start of the fall term. Notwithstanding, a pilot season should include the summer months. This could be undertaken at the start of the project, when demand may be lower, and thus the potential work load lessened; or as a continuation from the fall and winter by which juncture demand may be established. Both course of action have benefits. The preference may be to start with limited options as soon as feasible and use this quieter period to develop partnerships and agreements with the larger hosts, in preparation for the busy fall season.

***Recommendation R2. A pilot project be undertaken beginning in July 2018, with the aim of makerspace activities starting in the fall.***

A pilot plan should incorporate statistical analysis, and goals and objectives by which success can be measured.

### **Organisational structure and management**

All considered, the most appropriate way forward may be to create a non-profit Dawson Makerspace Society to oversee development and operations. The board of directors would be best served by comprising representatives from community organizations and in particular those institutions that have indicated taking a lead role on the project's development. In addition, wider community representatives can ensure users and residents' views are represented. The society would be expected to create a mission statement or mandate that reflects the makerspace and society's role and membership. In addition, the society should register for charity status. This will encourage donations (through providing charitable receipts) and is much easier to initiate at the initial stages, than introduce once the society is established.

***Recommendation R3. A Dawson Makerspace Society be created and registered as a non-profit charity.***

It is unrealistic to expect coordination and daily operations to be a volunteer board responsibility. Thus a coordinator, or equivalent, position is necessary to ensure society activities, and those of the facilities and members, run effectively and efficiently. An initial part-time position may be sufficient at this stage, although the start-up period may require additional resources.

***Recommendation R4. A Makerspace Coordinator position be created and funded to oversee and coordinate activities.***

#### ***Host locations and partnerships***

Taking advantage of levels of capacity and facilities that already exist, it would seem appropriate to utilize multiple locations under the umbrella of a Dawson Makerspace, rather than creating or developing an additional and wholly independent facility. This is not the normal operating model for makerspaces in general, but it is a practical and efficient means to bring a makerspace to the community. Many of the potential hosts have indicated a willingness to participate and negotiate formal partnerships and/or user agreements for mutual benefit.

The following entities should be approached and their assistance sought with the goal to create a viable makerspace in the community. ***Founding partners*** are those considered as key components of a makerspace society and its operations, and recommended as board members. ***Formal partnerships*** could be formed with organisations that are willing or expected to be active participants in the makerspace, and may be invited to join the board.

- ***Conservation Klondike Society***: Founding partner.
- ***Dawson City Community Library***: Formal partnership.
- ***Industrial Arts and Technology Society of the Yukon***: Founding partner
- ***Klondike Institute of Arts and Culture***: Formal partnership.
- ***Robert Service School***: Formal partnership.
- ***(S)hiver Arts Society***: Formal partnership.
- ***Tr'ondëk Hwëch'in***: Formal partnership.
- ***Yukon College***: Founding partner.
- ***Yukon School of Visual Arts***: Formal partnership.
- ***YuKconstruct***: Formal partnership.

***Recommendation R5. Negotiations begin with the aforementioned entities to create mutually beneficial partnership and user agreements.***

An issue with using existing facilities will be availability. Hosts will have periods of core use when facilities and access are not available to a makerspace. Thus a certain degree of pragmatism will be necessary. It is hoped that, with makerspace user demand outside of normal office and institutional hours, that conflicts can be kept to a minimum.

In addition, a solution will be needed regarding tools removed and/or storage at the end of each period



of use. Tool damage, loss and replacement issues will need to be addressed and an agreement reached.

Dawson Makerspace would need its own \$2M liability insurance to be able to access spaces and equipment at these locations; currently quoted at \$5000 - \$10,000. It is expected building insurance would remain with the hosts. Operating and maintenance costs would be negotiated through a partnership or user agreement.

***Business model and finances***

The business model based on utilizing multiple existing locations, including a makerspace base site, will require partnership or user agreements with the hosts. The following is a sample budget for the pilot project:

### Makerspace Pilot Project Sample Budget

#### EXPENSES

Coordinator (@ \$25/hr, 15hr/week for 2 mos)	3,750
Coordinator (@ \$25/hr, 20hr/week for 10 mos)	20,000
MERCs (10%)	2,375
Repairs & tool replacement	2,500
Liability insurance	5,000
Materials- cubbies, shelves, basic office setup	1,000

**TOTAL with no rented space 34,625**

Add rented space at \$1200/month 14,400

**TOTAL WITH RENTED SPACE 49,025**

#### REVENUES

Membership fees	14,400
Paid courses profit	5,000
<b>TOTAL REVENUES</b>	<b>19,400</b>

**Funding Requirement 29,625**

### Makerspace Possible Membership Fees

PPL	\$/month	# months	Revenue
20	20	12	4800
20	30	12	7200
20	40	12	9600
20	50	12	12000
30	20	12	7200
30	30	12	10800
30	40	12	14400
30	50	12	18000

### Makerspace Potential Offering

Rented open space 7 evening/week

SOVA 2 evenings/week

RSS 2 evenings/week

College 3 evenings/week

Minto 2 evenings/week

Arena Concession 2 evenings/week

## Retail and market place

Many makerspaces have an entrepreneurial aspect to them, and encourage local artists to produce goods and services for sale. It is expected that a portion of Dawson Makerspace members will take the opportunity to make work available for purchase. There are currently a couple of options for retail outlets in the community. A Dawson makerspace society could help support and provide members with paths to promoting and selling their work.

**Dawson Farmers' & Artists' Market:** Located on the river side of Front Street, the market is open principally during the summer months. Local artists and farmers sell crafts, goods and produce direct to the public. Vendors are required to hold a valid municipal business license and rental fees apply.

**Local retailers:** Local retailers and cultural centres are amenable to providing a platform for locally produced arts and crafts. Pieces would need to be appropriate to the outlet and of suitable quality. Individuals would likely need to negotiate directly with the retailer.

**Local hosts, partners and organisations:** In addition to established retail outlets, local hosts, partner organisations and other makerspace users and affiliates may be able to assist artists through displaying and promoting works.

**Online/web presence:** An established makerspace with a functioning web site may be able establish an online sales presence for makerspace members. The detailed methods and mechanisms could be outlined in an appropriate user agreement.

**Custom location:** An independent makerspace has potential to act as a retail outlet, as does a custom sales centre. These cooperatives can work as part of the makerspace operations or as an autonomous vendor. Yukon Artists at Work is one such facility in Whitehorse, while the successful Hope Arts Gallery operated by the Hope and District Arts Council in British Columbia is a successful example of a small community arts gallery with exhibit and retail facilities.

Case studies have shown makerspaces can help people turn their ideas into marketable products and act as incentives to produce goods, art and services for sale. This brings additional income, and wider benefits, to the community as a whole.

In addition to providing a supportive retail environment for its members, a makerspace led initiative could provide income to the society through a percentage of sales revenues, and enhancing the roles of staff while developing new skills.

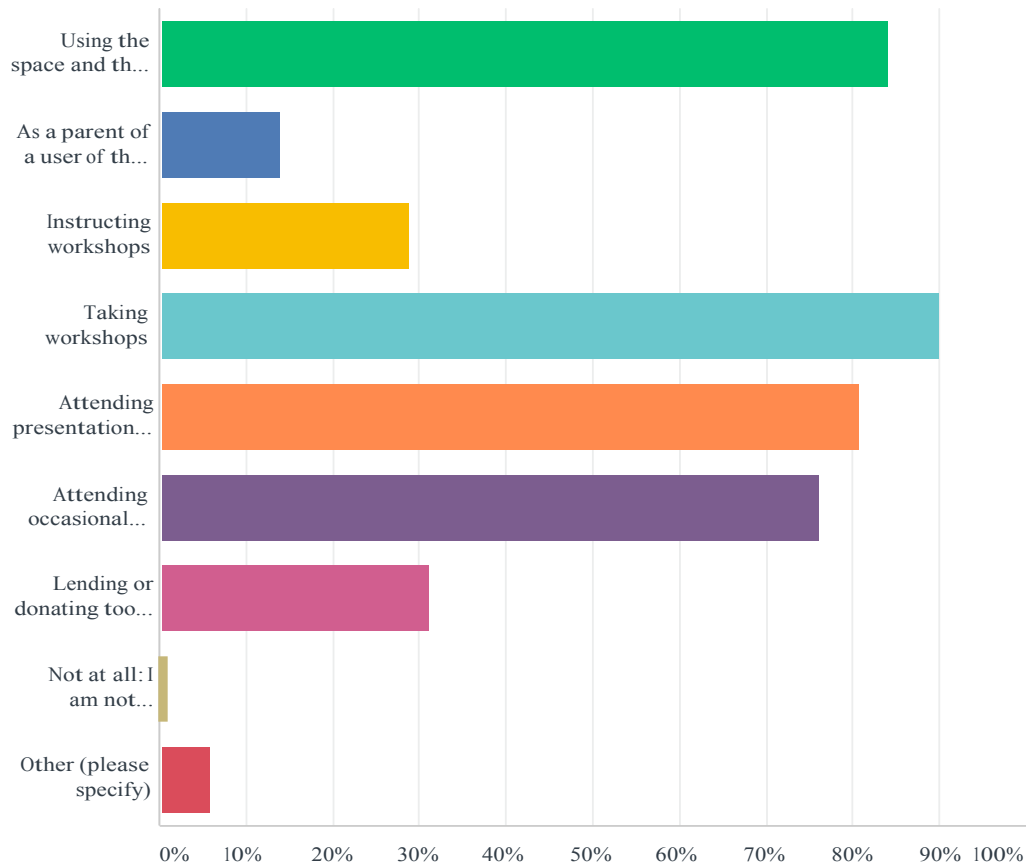
## **Appendix 1**

Dawson Makerspace Survey

February/March 2018

# Q1 If a makerspace were started in Dawson City, in what ways do you think you might get involved (please check any that apply)?

Answered: 87 Skipped: 0



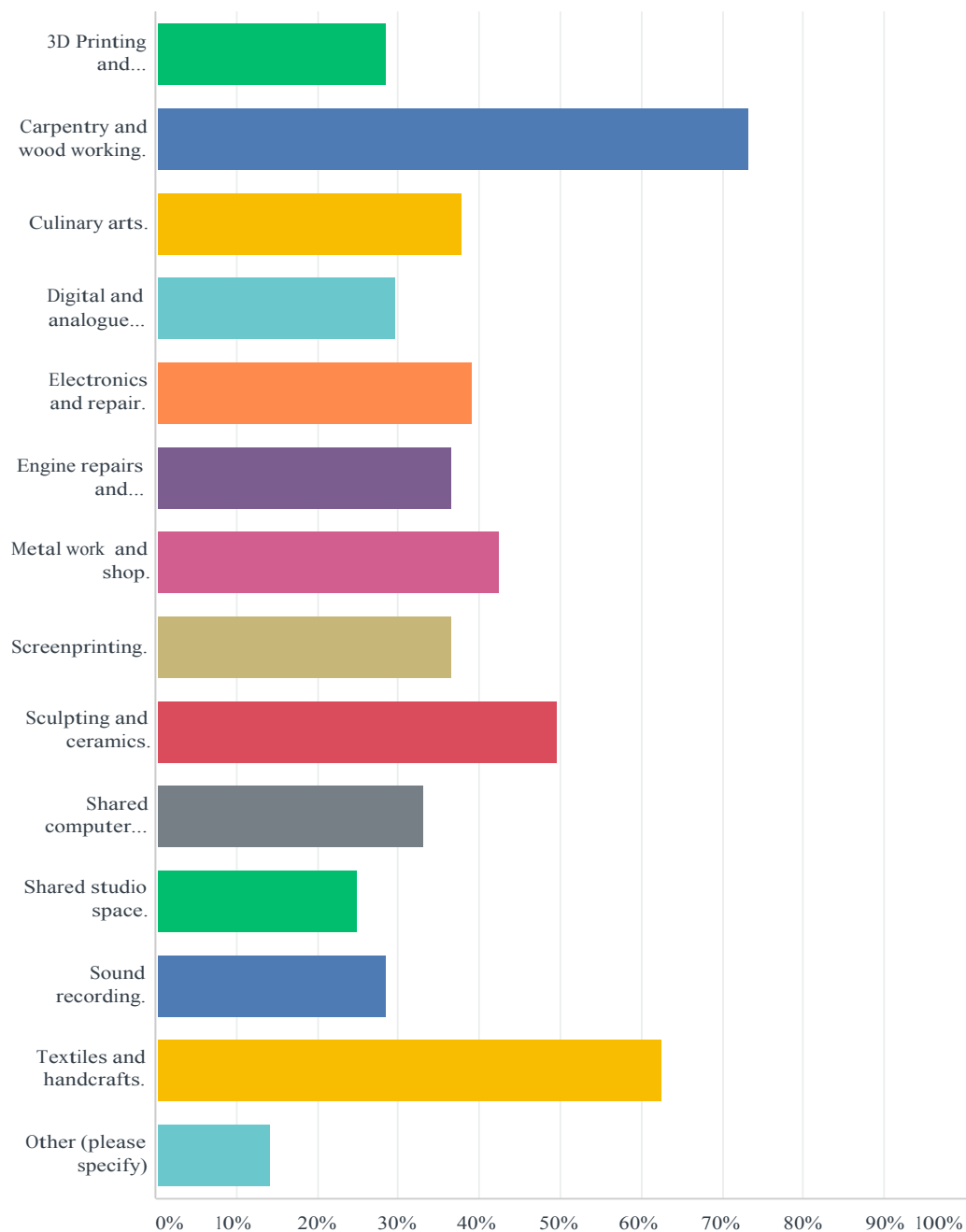
ANSWER CHOICES		RESPONSES	
Using the space and the equipment in it to 'make stuff' independently		83.91%	73
As a parent of a user of the space and the equipment in it		13.79%	12
Instructing workshops		28.74%	25
Taking workshops		89.66%	78
Attending presentations or demonstrations		80.46%	70
Attending occasional social events with a 'maker' focus		75.86%	66
Lending or donating tools or other supplies		31.03%	27
Not at all: I am not interested or in need of a makerspace		1.15%	1
Other (please specify)		5.75%	5
Total Respondents: 87			

#	OTHER (PLEASE SPECIFY)	DATE
1	Through, and with the support of my workplace, making a space available for use	3/16/2018 2:58 PM

2	Active board member	3/14/2018 2:57 PM
3	Place to share, trade and use ideas, tools, and skills	3/9/2018 8:18 PM
4	A home ec and cooking room, large space plus a wood crafts area.	3/3/2018 12:06 AM
5	volunteering to help run the space	3/1/2018 4:03 PM

Q2 What types of spaces would be most important to you? (Pick all that apply).

Answered: 85 Skipped: 2



ANSWER CHOICES	RESPONSES	
3D Printing and prototyping.	28.24%	24
Carpentry and wood working.	72.94%	62
Culinary arts.	37.65%	32
Digital and analogue photography.	29.41%	25

Electronics and repair.	38.82%	33
Engine repairs and maintenance.	36.47%	31
Metal work and shop.	42.35%	36
Screenprinting.	36.47%	31
Sculpting and ceramics.	49.41%	42
Shared computer lab/office space.	32.94%	28
Shared studio space.	24.71%	21
Sound recording.	28.24%	24
Textiles and handcrafts.	62.35%	53
Other (please specify)	14.12%	12
Total Respondents: 85		

#	OTHER (PLEASE SPECIFY)	DATE
1	Blacksmithing?	3/14/2018 1:35 PM
2	A place to cut out large fabric pieces, book binding/printing/cutting; would love to learn how to throw clay on a pottery wheel!	3/14/2018 12:42 PM
3	As many of the above as possible	3/14/2018 12:39 PM
4	Bicycle repair	3/4/2018 7:02 PM
5	All of the above	3/3/2018 8:14 PM
6	flexible use spaces; potentially also a small gallery/performance space (or the ability to accomodate this within the space)	3/3/2018 3:08 PM
7	Bicycle repair	3/3/2018 1:16 AM
8	Space and tools to work on bikes	3/2/2018 9:13 PM
9	Forge/blacksmith	3/2/2018 7:47 PM
10	dance studio space/costume and prop making space. On a side note :Textiles and handcrafts are 2 separate things (handcrafts include shoemaking for instance)	3/1/2018 11:54 PM
11	Bike workshop and tool library	3/1/2018 5:48 PM
12	jewelry workspace	3/1/2018 4:03 PM



### Q3 Please list the specific machines, tools, and equipment that would be most vital to your work in the maker space.

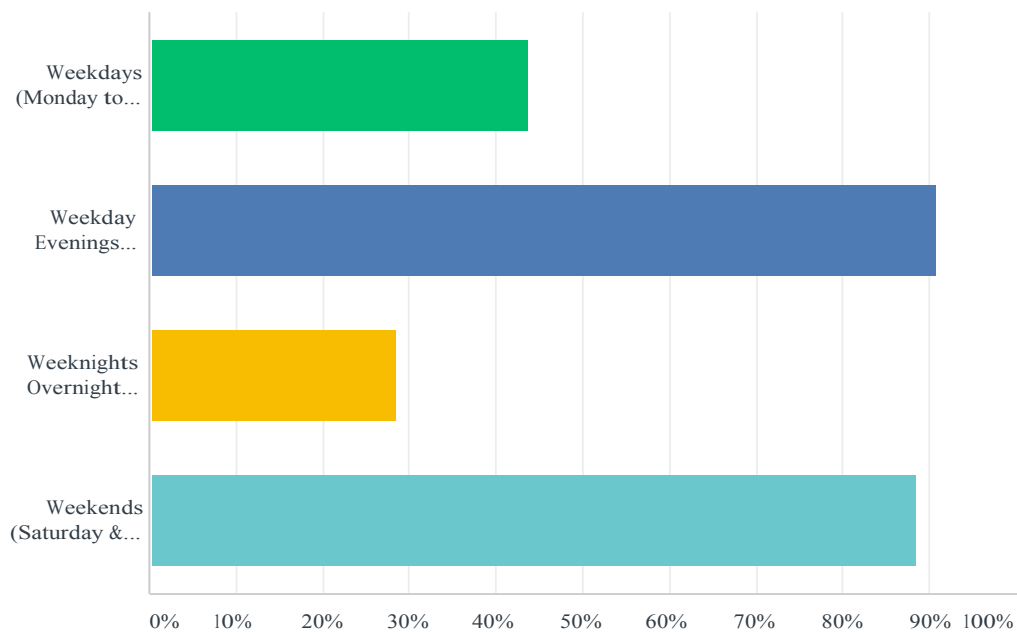
Answered: 65 Skipped: 22

#	RESPONSES	DATE
1	Carpentry tools	3/16/2018 7:05 PM
2	welder, planer	3/16/2018 5:55 PM
3	Woodworking shop tools, computer controlled tools, printers	3/16/2018 5:39 PM
4	Space for carpentry and woodworking, engine repair equipment	3/16/2018 2:58 PM
5	Sewing machine, pottery wheel and kiln (I do many crafts so many tools and equipment involved)	3/16/2018 2:07 PM
6	Computer tool kit, arduino, raspberry pi, electronics tools, soldering gun, heat gun, voltmeter,	3/16/2018 2:02 PM
7	printing press, large water vessels, table saw, planer, sanders, mitre saw, hydropulper, drill press, band saw, scroll saw, large work tables	3/16/2018 1:33 PM
8	Flex Shaft, Torch (natural gas), Stand polisher	3/16/2018 1:13 PM
9	Too many to list	3/16/2018 1:00 PM
10	Metal shop	3/14/2018 6:30 PM
11	Sewing Machines, Serger, Video Camera, Kiln, Mosaic equipment	3/14/2018 1:39 PM
12	bandsaw, jointer, thickness planer, potting wheel, kiln, torch, solder station	3/14/2018 1:35 PM
13	Large table with cutting matt, cutting tools for fabric and paper/cardboard, ideally a press and industrial paper cutter! Pottery wheel!	3/14/2018 12:42 PM
14	NA	3/14/2018 12:39 PM
15	A Kiln and throwing wheel for clay and a big table for hand-built pieces	3/14/2018 11:39 AM
16	recording equipment (not necessarily high quality)	3/14/2018 11:07 AM
17	laser cutter, 3D capture and printer/cutter	3/13/2018 6:58 PM
18	Large Tables, Good Lighting	3/13/2018 5:31 PM
19	Joiner;Jig;Router;Bandsaw;Soldering Fume Hood; Variable Temp Soldering Iron (high quality);Electronics repair accessory kit	3/12/2018 3:47 PM
20	-	3/10/2018 11:08 PM
21	Large woodworking tools (planer, joiner, lathe, bandsaw etc.)	3/9/2018 8:18 PM
22	wood working tools, a warm space	3/5/2018 1:58 PM
23	Studio	3/4/2018 7:40 PM
24	Loom, industrial sewing machine, bike repair stuff like stands, basic tools, vice, wheel truing stand	3/4/2018 7:02 PM
25	drill press, compound miter saw and/or chop saw, hand drills, skill saw, various othe hand tools for woodwork/carpentry, floor or table looms (weaving), potter's wheels, kiln, screenprinting supplies (frames, dark room, proper sinks, etc), industrial sewing machine/serger, large table(s) for patternmaking, cutting, etc.	3/4/2018 5:02 PM
26	Large Table, Sewing machine, Serger	3/4/2018 3:36 PM
27	Sewing machine	3/3/2018 10:17 PM
28	Wood working equipment, car maintenance	3/3/2018 9:27 PM
29	Stepcraft CNC, laser cutting	3/3/2018 7:05 PM
30	Carpentry tools, automotive tools, space to work in	3/3/2018 3:28 PM

31	various welding options, forge, bandsaw, electronics station.. group work areas..	3/3/2018 3:08 PM
32	Just a desk and chair, for office space. And for bicycle repair, bike tools (I don't yet know what these are) + a bike clamp stand	3/3/2018 1:16 AM
33	cooking stuff, stoves, fridges, sewing machines	3/3/2018 12:06 AM
34	Sewing machine, carpentry tools, printer for photos	3/2/2018 10:05 PM
35	pressure washer/wash out sink, light table, heat press or irons, digital printer/scanner,	3/2/2018 9:13 PM
36	Welding machine . Forge. Wood working power tools. Industrial sewing machine.	3/2/2018 8:22 PM
37	Welder, Forge & Anvil & Tools, Power Tools, Ratchet Sets, Kiln, Power & Heat, Wood working tools: planer, table saw, chop saw, skill saw, salls all, band saw, metal band saw, clamps, vices and sanders	3/2/2018 6:23 PM
38	A loom, an industrial sewing machine, a ceramic throwing wheel/ kiln	3/2/2018 10:21 AM
39	A variety, too many to list	3/2/2018 7:45 AM
40	Basic tools	3/2/2018 2:14 AM
41	.	3/2/2018 12:47 AM
42	All finish woodworking supplies...lathe, planer, joiner band saw/ dressform, serger/ ballet bar and mirrors	3/1/2018 11:54 PM
43	Sewing machine, drill, sander, blow torch	3/1/2018 9:39 PM
44	PC, lights for photography, wood working tools, silversmith tools	3/1/2018 8:31 PM
45	wood planer / jointer, bandsaw, table saw, wood lathe etc.	3/1/2018 8:20 PM
46	Sewing machine, internet, cooking equipment	3/1/2018 7:51 PM
47	Sewing machine, large sink/washout area (printmaking), large paper cutter, print rack/drying area,	3/1/2018 7:39 PM
48	Table saw, welding machine, band saw,	3/1/2018 7:25 PM
49	printer	3/1/2018 7:01 PM
50	Industrial sewing machines	3/1/2018 5:48 PM
51	3d printer, bandsaw, other woodworking tools	3/1/2018 5:12 PM
52	Large table saw, jointer, planer, drill press, work benches, mitre saw, band saw, photography studio: lights, backdrop	3/1/2018 4:52 PM
53	Industrial sewing machines	3/1/2018 4:42 PM
54	3D Printer and a computer that can handle 3d designing.	3/1/2018 4:38 PM
55	Tables where you can spread out your project, a forge and other tools for knife making/metal smithing, wood working tools	3/1/2018 4:06 PM
56	Anything to do with furniture repair. Silversmithing tools. Welding tools. Pottery wheels and kiln.	3/1/2018 4:03 PM
57	Sound gear, household power and non-power tools for loan (table saw, sawsall, carpentry tools), sound recording/sound proof room.	3/1/2018 4:03 PM
58	woodworking equipment, kiln, computer lab / internet, recording studio, blowtorch for the kitchen...	3/1/2018 3:58 PM
59	Pottery wheel, ceramics tools, sewing machine and tools, any carpentry/woodworking tools	3/1/2018 3:53 PM
60	3D printing, laser cutting tools for wood	3/1/2018 3:51 PM
61	table saws, lathes, welding space, computer lab	3/1/2018 3:10 PM
62	Photographic equipment, woodworking tools	3/1/2018 2:53 PM
63	Colour printer, kitchen items like sinks to facilitate cooking projects	3/1/2018 1:21 PM
64	Wood working tools	3/1/2018 1:14 PM
65	pottery wheel, kiln, shelves for storage, sink for water. Fine woodworking tools, clamps, space to lay things out, dry, etc.	2/28/2018 6:08 PM

# Q4 When would you expect to access a Dawson Makerspace? Pick all that apply.

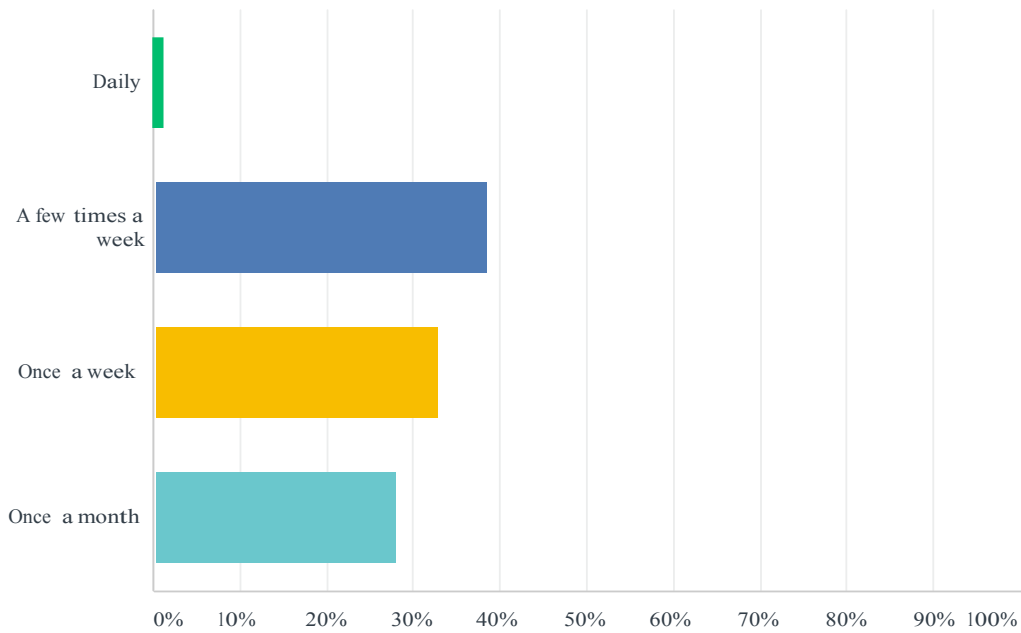
Answered: 85    Skipped: 2



ANSWER CHOICES	RESPONSES	
Weekdays (Monday to Friday from 9am - 5pm)	43.53%	37
Weekday Evenings (Monday to Friday from 5pm - 11pm)	90.59%	77
Weeknights Overnight (Monday to Friday from 11pm - 9am)	28.24%	24
Weekends (Saturday & Sunday)	88.24%	75
Total Respondents: 85		

# Q5 How often would you anticipate using a Makerspace membership?

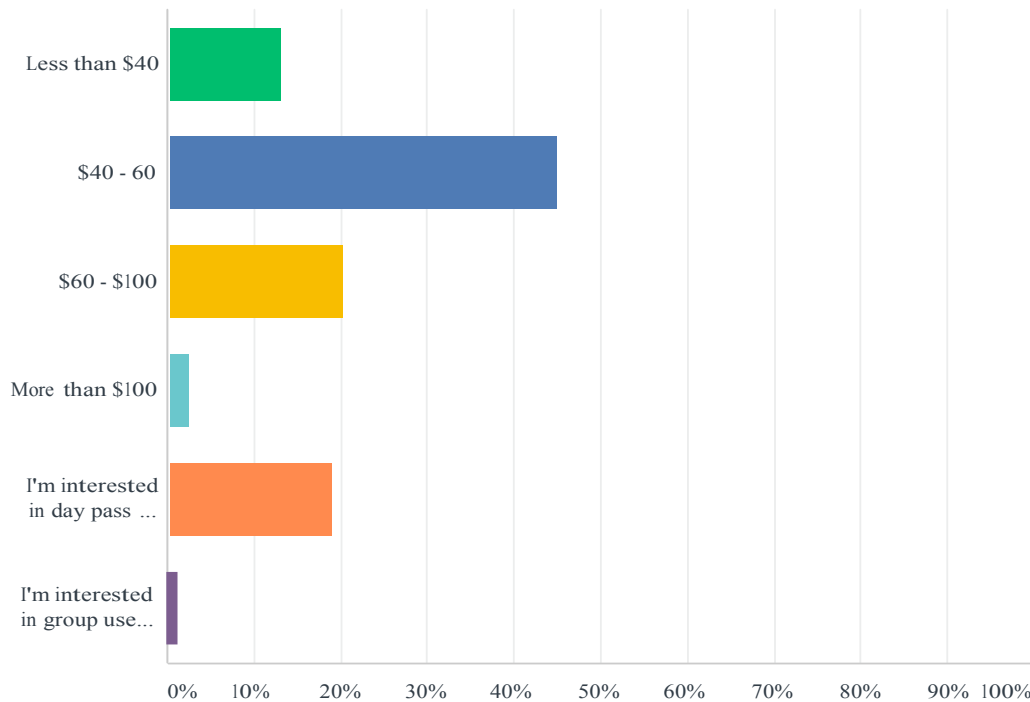
Answered: 86 Skipped: 1



ANSWER CHOICES	RESPONSES	
Daily	1.16%	1
A few times a week	38.37%	33
Once a week	32.56%	28
Once a month	27.91%	24
TOTAL		86

**Q6 How much would you pay per month for a membership granting you access to: 1- tools, 2- space, 3- a community of fun, smart people, 4- discounts on workshops and 5- safety training and orientation? (Makerspaces in Canada charge from \$50 - \$150 per month for memberships, depending on hours of access and tools provided).**

Answered: 85 Skipped: 2



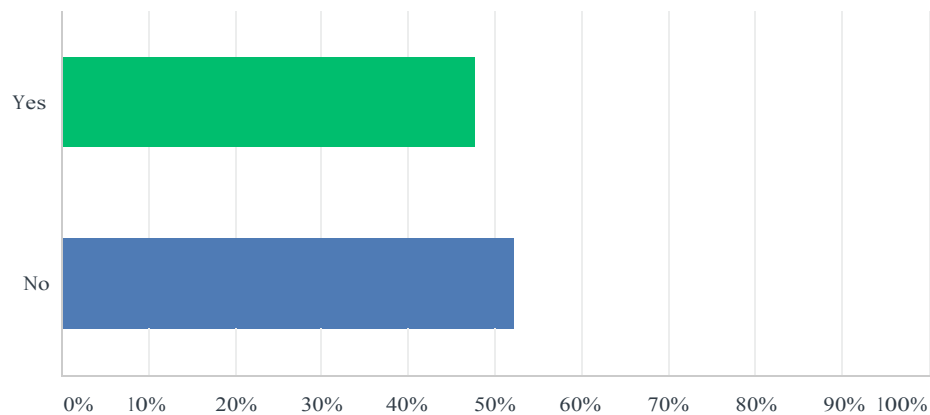
ANSWER CHOICES		RESPONSES	
Less than \$40		12.94%	11
\$40 - 60		44.71%	38
\$60 - \$100		20.00%	17
More than \$100		2.35%	2
I'm interested in day pass or occasional use		18.82%	16
I'm interested in group use for my business/organization		1.18%	1
TOTAL			85

#	OTHER OR COMMENT:	DATE
1	The MakerSpace that I used/volunteered for in Montreal was free. Open 10-6 for community, and evenings for workshops, workshops cost money.	3/14/2018 1:39 PM
2	Free for seniors	3/14/2018 12:39 PM
3	hard to answer due to not knowing what would be available and much space there would be.	3/14/2018 11:39 AM
4	Lower membership plus additional fees to use of space or equipment.	3/12/2018 10:02 AM
5	As little as possible ;)	3/9/2018 8:18 PM

6	Would ultimately depend on what was on offer. Monthly to shared office/conference room, day passes to use tools	3/4/2018 7:02 PM
7	intensive occasional use; ie daily for a week or month for example	3/3/2018 3:08 PM
8	also day passes would be great, as my needs change throughout the year.	3/3/2018 1:16 AM
9	monthly elder's rate whatever that be	3/3/2018 12:06 AM
10	or option of having a day pass for occasional use	3/2/2018 9:13 PM
11	\$20	3/2/2018 6:23 PM
12	I would use it far more in winter	3/2/2018 7:45 AM
13	If this space was being used by an organisation I would pay more.I would	3/1/2018 11:54 PM
14	For a once a month use or workshop	3/1/2018 10:19 PM
15	if it was a monthly membership I would expect to pay less then \$40	3/1/2018 8:20 PM
16	Really depends what would be included	3/1/2018 5:48 PM
17	Also interested in day pass or occasional use	3/1/2018 4:13 PM
18	I think it depends on how often I'd use it. Perhaps a tiered membership system, each of which would give you different levels of use.	3/1/2018 4:03 PM

# Q7 Would you pay extra for 24 hour access?

Answered: 86 Skipped: 1



ANSWER CHOICES		RESPONSES	
Yes		47.67%	41
No		52.33%	45
TOTAL			86

## Q8 Being as specific as you can, is there anything you would like to learn how to do in a makerspace environment?

Answered: 60 Skipped: 27

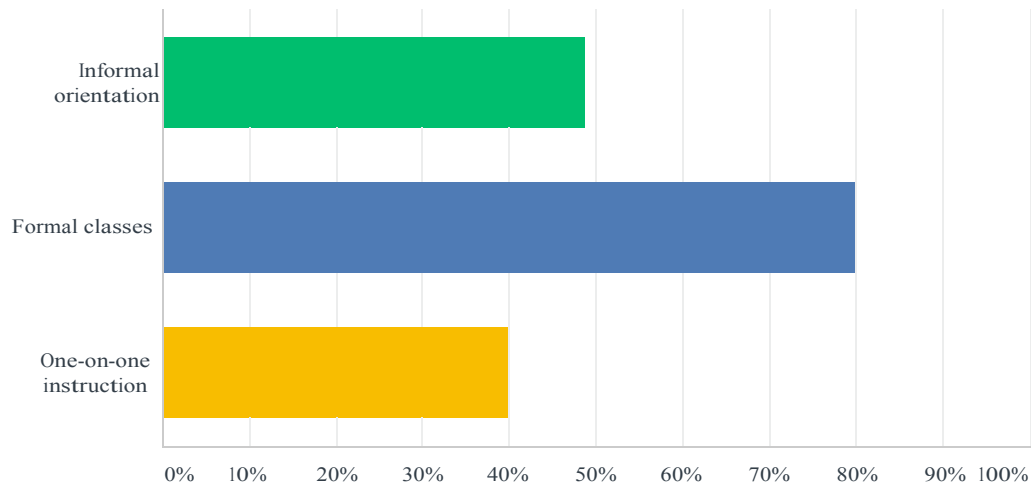
#	RESPONSES	DATE
1	Carpentry and repair skills	3/16/2018 7:05 PM
2	Engine mechanics	3/16/2018 5:39 PM
3	Small engine maintenance, carpentry, tiny house building	3/16/2018 2:58 PM
4	pottery, stained glass,	3/16/2018 2:07 PM
5	repair electronics, programming/coding	3/16/2018 2:02 PM
6	sculpture, 3D, carving	3/16/2018 1:33 PM
7	Collaborate with other artists	3/16/2018 1:13 PM
8	Re purpose recycled plastics	3/16/2018 1:00 PM
9	Sketchup CAD	3/14/2018 6:30 PM
10	Carpentry	3/14/2018 2:57 PM
11	Filmmaking, Comedy Writing, Quilting, Pottery, Beading, Rug Hooking.	3/14/2018 1:39 PM
12	Pottery with a wheel, carpentry, lots of other things I would discover.	3/14/2018 12:42 PM
13	carpentry, sound recording, small engine mechanics	3/14/2018 11:07 AM
14	making hard plastic or metal parts for a range of things including cameras and tools	3/13/2018 6:58 PM
15	how to learn	3/13/2018 5:31 PM
16	Electronics repair	3/12/2018 3:47 PM
17	Laser cutting/engraving	3/12/2018 10:02 AM
18	-	3/10/2018 11:08 PM
19	Wood lathe/shaper	3/9/2018 8:18 PM
20	welding, small engines	3/5/2018 1:58 PM
21	Crafting	3/4/2018 7:40 PM
22	Woodworking.	3/4/2018 7:02 PM
23	Becoming more comfortable with power tools, specifically woodworking tools (drill press, chop saw, table saw, etc.) basic woodworking skills. Screenprinting.	3/4/2018 5:02 PM
24	Quilting	3/3/2018 10:17 PM
25	clothes making workshops	3/3/2018 8:14 PM
26	wood inlay	3/3/2018 7:05 PM
27	Automotive repair, engine assembly and automotive maintenance	3/3/2018 3:28 PM
28	pottery. knitting, sewing, basic seamstress work. bicycle repair. boring stuff like excel, Adobe Creative Suite, and website maintenance.	3/3/2018 1:16 AM
29	learn to make my own clothes and become a home cook	3/3/2018 12:06 AM
30	Cabinetry	3/2/2018 10:05 PM
31	welding, mechanic work/small engine repair, more methods printmaking (plates etc),	3/2/2018 9:13 PM
32	Learning from other skilled people.	3/2/2018 8:22 PM



33	No, I would prefer to just have access to one.	3/2/2018 6:23 PM
34	Basic carpentry, ceramics, weaving techniques	3/2/2018 10:21 AM
35	Wood working, sustainable arts and crafts that use locally found or biodegradable materials	3/2/2018 7:45 AM
36	Traditional crafting and surviving tools	3/2/2018 2:14 AM
37	.	3/2/2018 12:47 AM
38	Woodworking/finish carpentry/ costuming/ set design	3/1/2018 11:54 PM
39	Woodwork and electronic repair	3/1/2018 9:39 PM
40	Silver smithing, painting	3/1/2018 8:31 PM
41	small engine repairs, cabinet making, sewing / quilting	3/1/2018 8:20 PM
42	Share resources, exchange good and services, take workshops	3/1/2018 7:51 PM
43	Metal work, wood working	3/1/2018 7:25 PM
44	ceramics, woodworking, design	3/1/2018 7:01 PM
45	Ceramics, sound recording, photography, welding	3/1/2018 5:48 PM
46	I would like to learn electronics componants and mechanic	3/1/2018 5:12 PM
47	Build and design furniture and cabinetry	3/1/2018 4:52 PM
48	Open	3/1/2018 4:42 PM
49	Learn more about 3D designing software.	3/1/2018 4:38 PM
50	Sewing, mosaics	3/1/2018 4:13 PM
51	Welding small projects, wood work (furniture and hand carving), metal smithing, knife making, ceramics(bowls,plates,mugs), painting (larger scale)	3/1/2018 4:06 PM
52	Pottery, silversmithing, welding, furnature repair, small household repair, carpentry	3/1/2018 4:03 PM
53	woodworking, pottery	3/1/2018 3:58 PM
54	Mostly I would use it as a space for current hobbies, but always like to learn anything new.	3/1/2018 3:53 PM
55	CAD	3/1/2018 3:51 PM
56	Screen printing, black smithing	3/1/2018 3:47 PM
57	not specifically	3/1/2018 3:10 PM
58	More about photographic equipment and electronics	3/1/2018 2:53 PM
59	podcasting, food photography	3/1/2018 1:21 PM
60	furniture making, small woodworking projects	2/28/2018 6:08 PM

## Q9 If lessons or training sessions were provided for activities, which would you prefer?

Answered: 84 Skipped: 3



ANSWER CHOICES	RESPONSES
Informal orientation	48.81% 41
Formal classes	79.76% 67
One-on-one instruction	40.48% 34
Total Respondents: 84	

#	OTHER (PLEASE SPECIFY) OR COMMENT:	DATE
1	make so people can come in from Mayo etc.	3/13/2018 5:31 PM
2	group activities	3/3/2018 8:14 PM
3	all modalities are welcome	3/3/2018 3:08 PM
4	not so much formal, just classes	3/3/2018 12:06 AM
5	if classes, in small groups.	3/2/2018 9:13 PM
6	Workshops are the best! But an ongoing working group leading with a lesson for each class and wg building on that knowledge week by week	3/2/2018 7:45 AM
7	I would take any option if someone was willing to teach me something. But do like formal classes the best.	3/1/2018 4:06 PM
8	formal classes if they were small in number of people attending	3/1/2018 2:53 PM

## Q10 Being as specific as you can, is there anything you would be willing to instruct or teach on a paid basis?

Answered: 59 Skipped: 28

#	RESPONSES	DATE
1	Knitting	3/16/2018 7:05 PM
2	Woodworking	3/16/2018 5:39 PM
3	Nope -- not a journeyman or skilled trades person	3/16/2018 2:58 PM
4	quilting, beading, leather footwear	3/16/2018 2:07 PM
5	Not sure I'm qualified enough to be paid, I have rebuilt several cell-phones and a laptop though	3/16/2018 2:02 PM
6	not at the moment	3/16/2018 1:33 PM
7	Introduction to Silversmithing	3/16/2018 1:13 PM
8	Unknown for now	3/16/2018 1:00 PM
9	Welding, small engines	3/14/2018 6:30 PM
10	Dj and sound and video editing	3/14/2018 2:57 PM
11	Nope. But if we had the space, I could learn and then be willing to teach eventually.	3/14/2018 1:39 PM
12	Possibly book binding.	3/14/2018 12:42 PM
13	NA	3/14/2018 12:39 PM
14	Ceramics, wheel-thrown and hand-built project	3/14/2018 11:39 AM
15	not that I can think of, but I could help supervise	3/13/2018 5:31 PM
16	No	3/12/2018 3:47 PM
17	-	3/10/2018 11:08 PM
18	Any arts related activities, or gardening	3/10/2018 11:08 AM
19	Carpentry shop and theory	3/9/2018 8:18 PM
20	candle making	3/5/2018 1:58 PM
21	No	3/4/2018 7:40 PM
22	Potentially textile stuff (sewing or spinning, knitting, etc). I could also teach basic bicycle maintenance	3/4/2018 7:02 PM
23	knitting, basic sewing, basic crochet	3/4/2018 5:02 PM
24	Not really	3/3/2018 10:17 PM
25	IT, computer and cellphone repairs	3/3/2018 8:54 PM
26	no, too shy	3/3/2018 8:14 PM
27	no	3/3/2018 7:05 PM
28	How to play the banjo	3/3/2018 3:28 PM
29	sculpture, taxidermy, textiles, stop motion animation, casting, carving, leatherwork, toyhacking...	3/3/2018 3:08 PM
30	no	3/3/2018 12:06 AM
31	European cuisine, knitting	3/2/2018 10:05 PM
32	silkscreen printmaking, intro to machine sewing,	3/2/2018 9:13 PM
33	Metal work ( welding.milling.turning... ). mechanics.	3/2/2018 8:22 PM

34	Blacksmithing , leather carving , mushroom growing	3/2/2018 7:47 PM
35	Welding - Intro only	3/2/2018 6:23 PM
36	Videography (digital and analogue camera operation, video editing), oil painting	3/2/2018 10:21 AM
37	Idk	3/2/2018 7:45 AM
38	Nope	3/2/2018 2:14 AM
39	.	3/2/2018 12:47 AM
40	No	3/1/2018 9:39 PM
41	Not really	3/1/2018 8:31 PM
42	Culinary skills	3/1/2018 7:51 PM
43	Silkscreening	3/1/2018 7:39 PM
44	Not at the moment	3/1/2018 7:25 PM
45	Woodworking, metalworking, leatherworking	3/1/2018 5:48 PM
46	Bike mechanics	3/1/2018 5:48 PM
47	I would teach fine woodworking	3/1/2018 5:12 PM
48	Basic carpentry, sourdough bread baking, basic photography	3/1/2018 4:52 PM
49	Sewing	3/1/2018 4:42 PM
50	No.	3/1/2018 4:38 PM
51	No	3/1/2018 4:10 PM
52	I could teach crochet or yarn dyeing	3/1/2018 4:06 PM
53	not yet!	3/1/2018 4:03 PM
54	no	3/1/2018 3:58 PM
55	not sure	3/1/2018 3:51 PM
56	No	3/1/2018 3:47 PM
57	not specifically	3/1/2018 3:10 PM
58	food safe, basic cooking techniques, specialty techniques like fermenting and preserving	3/1/2018 1:21 PM
59	no	2/28/2018 6:08 PM

# Q11 Being as specific as you can, is there anything you would be willing to teach on a volunteer basis?

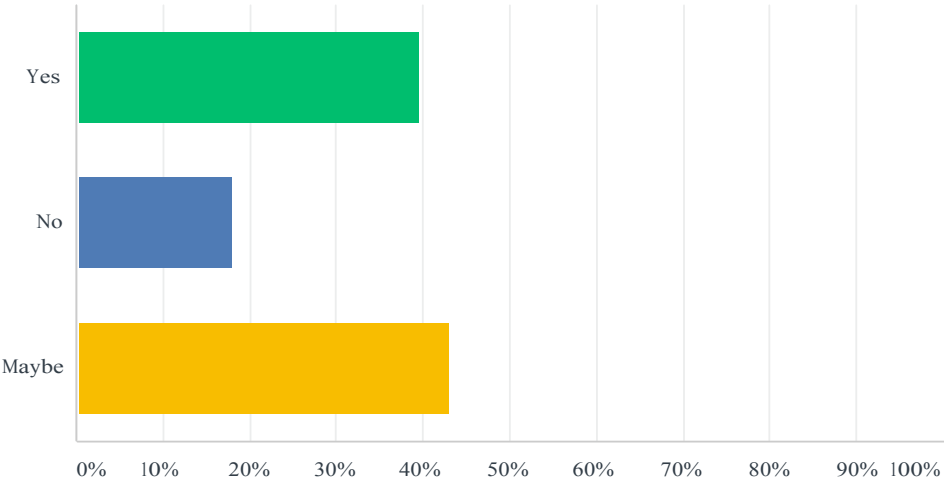
Answered: 52 Skipped: 35

#	RESPONSES	DATE
1	Woodworking	3/16/2018 5:39 PM
2	Bicycle maintenance	3/16/2018 2:58 PM
3	I might volunteer to teach younger children to be creative	3/16/2018 2:07 PM
4	cell-phone repair	3/16/2018 2:02 PM
5	not at the moment	3/16/2018 1:33 PM
6	Introduction to Silversmithing	3/16/2018 1:13 PM
7	Unknown for now	3/16/2018 1:00 PM
8	Welding, small engines	3/14/2018 6:30 PM
9	Book binding	3/14/2018 12:42 PM
10	NA	3/14/2018 12:39 PM
11	see above	3/13/2018 5:31 PM
12	No	3/12/2018 3:47 PM
13	-	3/10/2018 11:08 PM
14	Carpentry and shop theory	3/9/2018 8:18 PM
15	No	3/4/2018 7:40 PM
16	I would be willing to provide 'informal help' on a volunteer basis	3/4/2018 7:02 PM
17	knitting, basic sewing, basic crochet	3/4/2018 5:02 PM
18	Not really	3/3/2018 10:17 PM
19	same as above	3/3/2018 8:14 PM
20	no	3/3/2018 7:05 PM
21	Banjo lessons	3/3/2018 3:28 PM
22	anything informally one on one/or occasionally	3/3/2018 3:08 PM
23	I'm not a teacher	3/3/2018 12:06 AM
24	European cuisine, knitting	3/2/2018 10:05 PM
25	Silkscreen printmaking(making a stencil, coating and burning a screen, printing, how to make a diy lighttable or build/stretch your own screens at home) intro to machine sewing(threading, tension adjustment, machine trouble shooting, tips/tricks). Id also be interested in volunteering in exchange for space access or other trades.	3/2/2018 9:13 PM
26	Same as paid	3/2/2018 8:22 PM
27	Forging leather work	3/2/2018 7:47 PM
28	no	3/2/2018 6:23 PM
29	Sewing, knitting, embroidery	3/2/2018 10:21 AM
30	ldk	3/2/2018 7:45 AM
31	Nope I am not good enough to teach	3/2/2018 2:14 AM
32	.	3/2/2018 12:47 AM

33	No	3/1/2018 9:39 PM
34	Not really	3/1/2018 8:31 PM
35	I'm not sure at the moment	3/1/2018 7:51 PM
36	Silkscreening	3/1/2018 7:39 PM
37	Not at the moment	3/1/2018 7:25 PM
38	Woodworking, metalworking, leatherworking	3/1/2018 5:48 PM
39	Bike mechanics	3/1/2018 5:48 PM
40	I would teach women and girls basic wood working skills	3/1/2018 5:12 PM
41	See above	3/1/2018 4:52 PM
42	Introduction to sewing	3/1/2018 4:42 PM
43	No.	3/1/2018 4:38 PM
44	No	3/1/2018 4:10 PM
45	Possibly crochet of yarn dyeing	3/1/2018 4:06 PM
46	not yet!	3/1/2018 4:03 PM
47	no	3/1/2018 3:58 PM
48	not sure	3/1/2018 3:51 PM
49	No	3/1/2018 3:47 PM
50	not specifically	3/1/2018 3:10 PM
51	cooking classes of all kinds	3/1/2018 1:21 PM
52	no	2/28/2018 6:08 PM

Q12 Would you be interested in becoming an active member of a Dawson Makerspace organization? Perhaps as a board or committee member, volunteer, etc.

Answered: 84    Skipped: 3



ANSWER CHOICES		RESPONSES	
Yes No		39.29%	33
Maybe		17.86%	15
		42.86%	36
TOTAL			84

# Q13 Do you have any tools, equipment, computers, furniture or instructional books you would lend or donate to Dawson Makerspace? If so, what exactly?

Answered: 53 Skipped: 34

#	RESPONSES	DATE
1	Plenty of woodworking tools, mechanical hand tools	3/16/2018 5:39 PM
2	Through my work we have space available	3/16/2018 2:58 PM
3	possibly. I have a lot of quilting books that I no longer need	3/16/2018 2:07 PM
4	I have nothing	3/16/2018 2:02 PM
5	not sure	3/16/2018 1:33 PM
6	Not at the present time but would be willing to lend in the future	3/16/2018 1:13 PM
7	Yes carpentry equipment. Cutting torch. Materials to build with	3/16/2018 1:00 PM
8	I use my tools for work, so no, sorry, would not lend.	3/14/2018 6:30 PM
9	If this goes forward, I will find stuff to donate (free store), but at the moment my house is too small to hold on to anything I don't regularly use.	3/14/2018 1:39 PM
10	Some photography books...maybe electronics ie ipad, lap top	3/14/2018 12:39 PM
11	I have a lot of clay tools which I would be happy to lend if I would give workshop. I might have books to donate to the Makerspace	3/14/2018 11:39 AM
12	no	3/13/2018 5:31 PM
13	No	3/12/2018 3:47 PM
14	-	3/10/2018 11:08 PM
15	maybe some books tools	3/9/2018 8:18 PM
16	possibly some textile instructional books and patterns	3/5/2018 1:58 PM
17	No	3/4/2018 7:40 PM
18	Not at the moment	3/4/2018 7:02 PM
19	Maybe. Not sure what exactly, probably a few hand tools but I would have to go through my things to check. Knitting supplies (needles, yarn).	3/4/2018 5:02 PM
20	Industrial Sewing Machine	3/4/2018 3:36 PM
21	Not really	3/3/2018 10:17 PM
22	some old laptops (not currently functioniong - in need some repair)	3/3/2018 8:54 PM
23	woodburning kits, carpentry tools, knowledge	3/3/2018 8:14 PM
24	no	3/3/2018 7:05 PM
25	No	3/3/2018 3:28 PM
26	leather working tools, sewing machines.	3/3/2018 1:16 AM
27	no, I don't have equipment of any kind	3/3/2018 12:06 AM
28	Potentially, I could donate some old silkscreen screens, frames and scrap fabric,	3/2/2018 9:13 PM
29	Mechanic hand tools	3/2/2018 8:22 PM
30	Random forgeing tools books for leather work , patterns	3/2/2018 7:47 PM
31	no	3/2/2018 6:23 PM



32	Nothing I can think of at the moment	3/2/2018 10:21 AM
33	Probably	3/2/2018 7:45 AM
34	No	3/2/2018 2:14 AM
35	Maybe. Unable to answer right now	3/2/2018 12:47 AM
36	Random extra tools, drill, wrenches etc	3/1/2018 11:54 PM
37	Furniture, computer	3/1/2018 9:39 PM
38	No	3/1/2018 8:31 PM
39	Yes; Spanish language course book with workbooks	3/1/2018 7:51 PM
40	Possibly screens for screenprinting	3/1/2018 7:39 PM
41	Not at the moment	3/1/2018 7:25 PM
42	Not at this time	3/1/2018 5:12 PM
43	I have a industrial serger and sewing machine	3/1/2018 4:42 PM
44	Not at the moment.	3/1/2018 4:38 PM
45	Unfortunately not..	3/1/2018 4:10 PM
46	not yet!	3/1/2018 4:03 PM
47	possibly Musical Instruments from Yukon Girls Rock Camp. We run a lending library, perhaps this would be a good fit?	3/1/2018 4:03 PM
48	sorry, i don't have much of use	3/1/2018 3:58 PM
49	not sure	3/1/2018 3:51 PM
50	No	3/1/2018 3:47 PM
51	No	3/1/2018 3:10 PM
52	no	3/1/2018 1:21 PM
53	no	2/28/2018 6:08 PM

## Q14 Do you have any other comments, questions or suggestions regarding a makerspace in Dawson City?

Answered: 50 Skipped: 37

#	RESPONSES	DATE
1	Thanks for trying to get this off the ground!	3/16/2018 2:58 PM
2	I apologize for missing the meeting this week. Will there be follow up somewhere to this survey?	3/16/2018 2:07 PM
3	I think a makerspace would be great for the community, especially with the number of creative folks in town and the diy spirit that is evident everywhere. I also think the space doubling as a repair cafe would be great, there are so many things at the freestore that need minor fixes that could be diverted from landfills...Conservation Klondike should be involved!!	3/16/2018 2:02 PM
4	when does it open!!	3/16/2018 1:33 PM
5	THE BEST IDEA!	3/16/2018 1:13 PM
6	If Whitehorse can get millions to run their makerspace, we should get some help too!	3/14/2018 6:30 PM
7	This would be the single most beneficial thing I can think of for the winter. It would be so nice to have a place to have a cup of tea and create something!	3/14/2018 1:39 PM
8	Try to get the Klondike Sun and CFYT keyed in so they can share space and equipment and admin.	3/14/2018 11:07 AM
9	good idea if it can happen - people don't understand the word	3/13/2018 5:31 PM
10	No	3/12/2018 3:47 PM
11	-	3/10/2018 11:08 PM
12	Makerspace it happen!	3/9/2018 8:18 PM
13	I would like to see something that allows us to reuse some of the material at the recycling center if possible. glass, cans, and plastic material specifically	3/5/2018 1:58 PM
14	Sorry I don't have much to add to this survey, I haven't ever given much thought to how I would interact with a makerspace.	3/5/2018 12:49 PM
15	No	3/4/2018 7:40 PM
16	Not now	3/4/2018 7:02 PM
17	Yay!	3/4/2018 5:02 PM
18	No	3/3/2018 10:17 PM
19	this is a great idea	3/3/2018 8:14 PM
20	Good place may be the former location of the Han Construction tool area at First and Albert	3/3/2018 7:05 PM
21	No	3/3/2018 3:28 PM
22	lets do it!	3/3/2018 3:08 PM
23	I love this idea and really want it to happen. Shared office space is not a very exciting option and may not be a priority for many, but having attempted to work (writing/research work) both at home and in almost every public venue in Dawson, I can say there is a real need for quiet, public office space with flexible hours. And it may be one of the easiest options to fulfill - just a room + desk + chair + maybe a printer.	3/3/2018 1:16 AM
24	would love to see the creation. A large complex to house many different activities including school age where parents and children can go but still do their own thing.	3/3/2018 12:06 AM
25	When will there be meetings and how can I get involved ?	3/2/2018 7:47 PM

26	I think it should be taken into consideration, that maybe 1 building would not be plausible to make this work. So perhaps there can be different factions/building with different trades in them. (especially for safety & health)	3/2/2018 6:23 PM
27	I really hope it happens! Big thank you to all that have instigated the organizing!!!	3/2/2018 10:21 AM
28	Good luck! Sustainable initiatives such as these concepts not only bring community together but it also reduces our dependence on STUFF. Less tools needed cause of the sharing and the debt for individuals who want to create. I'm sure this would encourage a more vibrant, interesting and happy community	3/2/2018 7:45 AM
29	Great idea !	3/2/2018 2:14 AM
30	No	3/2/2018 12:47 AM
31	I realize a makerspace doesn't generally include dance studio space...but we are in dire need for more theatre/dance/exercise space that has some storage for productions, mirrors and a bar, especially if FOTPG continues to grow.	3/1/2018 11:54 PM
32	No	3/1/2018 9:39 PM
33	As cheap as possible. Or at least accessible to the ones that do not have money. Creativity is a good way to be active, get out of the house, meet other people. I do know folks that would love to start a hobby, but cannot afford it.	3/1/2018 8:31 PM
34	Please make this happen!!!	3/1/2018 7:51 PM
35	Let's make it happen! Thank you	3/1/2018 7:25 PM
36	I think this is a great idea. Obviously, there are going to be a lot of ideas about what this space should be, and it can't be everything at the same time, but a multi-disciplinary space in Dawson is an awesome thing!	3/1/2018 4:52 PM
37	No	3/1/2018 4:42 PM
38	I think it is a good idea.	3/1/2018 4:38 PM
39	No	3/1/2018 4:10 PM
40	This is a really exciting development in Dawson so I really hope it materializes. A maker space is something this community could really use!	3/1/2018 4:06 PM
41	Can't wait!	3/1/2018 4:03 PM
42	Space should be easily converted into a multi-use space. With LOTS of storage. I find storage is always inadequate! With all the grants and projects that happen in town, I'm sure a lot of items and supplies would find themselves at a makerspace.	3/1/2018 4:03 PM
43	great idea!	3/1/2018 3:58 PM
44	A space like this in Dawson would be fantastic. Especially during winter months! This would be an incredible benefit to our community.	3/1/2018 3:51 PM
45	No	3/1/2018 3:47 PM
46	no	3/1/2018 3:10 PM
47	Great idea, hope it happens	3/1/2018 2:53 PM
48	Would like the space to be available for small scale commercial use - market products for example. Would be willing to pay more for a "business" membership	3/1/2018 1:21 PM
49	Try not to compete with other Non profits doing similar things (ie. KIAC offers screen printing and other arts related things)	