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AUG 29 2019

REGIONAL DISTRICT

## COMMUNITY GRANTS PROGRAM APPLICATION

<b>NAME OF ORGANIZATION</b> OCEANSIDE COMMUNITY MAKERSPACE SOCIETY		<b>GRANT AMOUNT REQUESTED</b> \$1750.00
<b>MAILING ADDRESS</b> 133 (Lower) McMillan Street PO BOX 485 Parksville, BC		
<b>POSTAL CODE</b> V9P 2G5	<b>CONTACT PERSON</b> Jim Bennett	
<b>EMAIL ADDRESS</b> [REDACTED]	<b>TELEPHONE NUMBER</b> [REDACTED]	

<b>PLEASE REVIEW THE COMMUNITY GRANTS CRITERIA OUTLINED ON THE LAST PAGE OF THIS FORM. DOES YOUR ORGANIZATION MEET THE CRITERIA FOR THIS PROGRAM?</b>	<b>YES</b> <input checked="" type="checkbox"/>	<b>NO</b> <input type="checkbox"/>
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**IMPORTANT:** If your organization meets the Community Grants criteria, and if you can answer 'yes' to the following four questions, please proceed to complete this application for submission.

Are you a registered non-profit organization in good standing?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Does your organization provide a social enrichment service to the community?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Does the project fill a need in the community?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Does the project promote volunteer participation and citizen involvement?	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

### **Application Submission Requirements**

**Please provide the following information. Items 1 through 14 are mandatory requirements for consideration of the application. Please attach additional pages with corresponding question numbers if more space is required.**

1. Provide information about the programs and services offered to the community by your organization.

The Oceanside Community MAKERSPACE opened July 1, 2017 to focus on Science, Technology, Robotics, Engineering, Art, and Math (STREAM) + additional Crafts by encouraging people of different skills and interests to share their knowledge. Mixes Seniors with young kids and their parents. The MakerSpace mission is: To provide a space that fosters creativity through sharing and developing expertise in a wide range of practical skills, for fun, personal interest and community enhancement.

Over the past 2 years, this innovation in the community has achieved more than a dozen PQB News articles describing technology activities that members have been involved in.

In 2018, Makerspace received a \$2000 RDN Grant, as a Project/Program of it's founding organization - Oceanside Building Learning Together Society (BLT). It allowed the Makerspace to acquire a new CNC machine for use in our programs.

MAKERSPACE gives seniors a place to focus their skills and ability to share with other age groups, including kids as young as 6 years old. It does this by bringing a wide range of modern tools and technologies, skills and experience together to help change peoples lives and expand opportunities in the region. eg: Our Model Railroad group have expanded into the Parksville Museum, Jewelers Guild have setup a Metal Arts Studio and 9 youngsters competed this last Winter with 400 BC kids at the First Lego League robot competition in Victoria.

At the moment we offer instruction in design and use of 3D printers, CNC machines, and micro-computers such as Raspberry Pi, Arduino, and Microbits. We provide instruction for soldering, metal arts fabrication in jewelry, micro-electronics, model railroading techniques, and wood-working in our wood-working shop.

2. Provide information regarding your organization's revenue generating activities and other sources of income.

The current society was formed in Fall of 2018 and took over operations and full responsibility for programs on March 1, 2019.

To date our registered society "Oceanside Community Makerspace Society" has received no government support.

We have operated in the black each month since March 1, 2019 and survive on Membership fees, drop-in fees from non-members, corporate sponsorships (that amount right now to \$458 a month in total) and course/ program fees. Our budgeted overhead is roughly \$2,000 per month that includes rent of \$1,000 a month for 2,000 Sq. feet.

We would use this RDN funding to increase our external programing and public outreach.



3. Does your organization own its own facility? YES **NO**

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4. Describe the project that this Grant is intended to be used for

The Makerspace proposes to create a repeatable and practical science presentation to demonstrate the potential for the use of water-flow in generating electricity from a simple home project or rainwater-runoff project, or even a municipal storm-water system. In order to achieve this our volunteer members will both (A) design and build a self-contained demonstration on site and another mobile system that uses a circulated water supply, and (B) run workshop sessions for elementary level school students.

**This project proposes to educate young and old alike about the need for continued attention to the sustainability of our limited water and energy resources.**

Now in our third year of operation, our non-profit proposes to provide the following deliverables within the City of Parksville and greater Oceanside as part of the project:

(1)- Turbine workshop sessions for visiting elementary school-aged children during Fall 2019 where elementary age students would build their own small energy-generating turbine projects.

(2)-Acquisition of supplies and equipment that would assist in delivery of a working turbine that would utilize and measure water flow from roof of our facility at McMillan Art Centre in Parksville that delivers power as a public demonstration project.

(3)- A series of 3 free Saturday seminars for youth and adults that would focus on operation of turbines that generate power within other local government areas in British Columbia;

(4) - A representative of the City of Parksville's engineering department and hopefully also by a representative of the RDN engineering department would be invited to participate in the larger public demonstration project.

5. Project Start and End Date

Start: October 1, 2019

End: December 14, 2019

6. Describe benefit of the Project for the residents of the regional district

Projects that continue to raise awareness of the need to both develop more energy resources and make better use of grey water and under-used rain water should carry both short and long term benefits to communities in our region.

7. How many people does your organization anticipate will attend, benefit, or participate in the project?

The project should attract attention of a minimum 150 children directly plus spinoff effect of their discussions with peers; a minimum of 100 adults to view the public demonstration including officials from various levels of government, and the readers of PQB NEWS and social media.

7. How many people does your organization anticipate will attend, benefit or participate in this project?

Answered on previous page.....

8. Describe how the project will promote volunteer participation and citizen involvement. Include a description of the types of roles the volunteers will undertake.

- ( ) Parent chaperons will volunteer time to accompany youth on workshop sessions;
- ( ) Makerspace "member volunteers" will design the major demonstration project and install it;
- ( ) An invitation will be issued to the general public to participate in the planning of the major demonstration project;
- ( ) ...and it is hoped that we will also be able to attract some knowledgeable engineering expertise in the community and some volunteers who are advocates for a more sustainable environment.

9. Provide details of how the grant funding will be used and a breakdown of expenses.

SEE NEXT PAGE



## 9. Provide details of how the grant funding will be used and a breakdown of expenses.

### Public demonstration project expenses

Piping for roof rainwater downspout	Allow \$50.00		
Misc. for alterations to downspout	Allow \$30.00		
One larger size turbine unit suitable for project (yet-to-be-determined)	Allow \$500.00		
Public signage to recognize sponsors and project description	Allow \$150.00		
Public seminar supplies for 3 sessions to be offered at MakerSpace	Allow \$100.00		
Electrical output measurement device	Allow \$100.00		
Development of mobile demo turbine project	Allow \$200.00		
<b>Subtotal</b>	<b>\$1,130.00</b>		

### School-aged student workshop expenses

Micro turbines (30) x \$14.89.00 cdn Assuming 3 students per team=90 students	\$446.00 cdn. Includes taxes and shipping	As listed by Shenzen Yibai Network Technology	See: <a href="https://www.amazon.ca/gp/product/B07H7C7DQC/ref=ox_sc_act_title_1?smid=A36W46QL8EW1E5&amp;psc=1">https://www.amazon.ca/gp/product/B07H7C7DQC/ref=ox_sc_act_title_1?smid=A36W46QL8EW1E5&amp;psc=1</a>
DC 5V generator 10W Micro-Hydro Water turbine generator Charger Led (minimum order 5)	\$34.00 cdn		
Pipe (1" PVC) 100 ft.	\$110.00		
Output measurement	NIL	Supplied by MakerSpace	
Electrical misc.	Allow \$100.00		
<b>Subtotal</b>	<b>\$670.00</b>		

### Contribution to planning and MakerSpace 2019-2020 outreach program

	\$700.00		
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**TOTAL PROJECT EXPENSE \$2,500.00**

## 10. Provide information regarding revenue and fees that will be charged

Participation fees for (80) youth @ \$5 per youth.....\$400.00

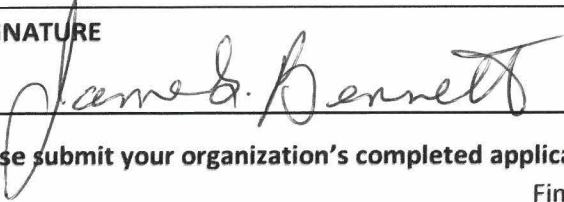
## 11.00 Provide details of further sources of revenue

11.1 RDN grant.....	\$1,750.00
11.2 Corporate or non-profit grant tba.....	\$ 350.00
<b>TOTAL proposed</b>	<b>\$ 2,500.00</b>

**Budget Information – please provide the following information as separate attachments:**

- |   |                |
|---|----------------|
| 12. Provide a copy of your organization's current year budget.        | Attached ✓     |
| 13. Provide a copy of your organization's latest financial statement. | Attached ✓     |
| 14. Provide an annual report for your organization, if applicable.    | Attached N/A ✓ |

Applications received that are incomplete, that do not meet the criteria, or are received after the deadline will not be considered. Please check to ensure that you have provided all information and details as requested in this application prior to submission.

<b>SIGNATURE</b> 	<b>DATE</b> August 29, 2019
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Please submit your organization's completed application to:

Finance Department  
Regional District of Nanaimo  
6300 Hammond Bay Road, Nanaimo, BC V9T 6N2

Telephone: 250-390-4111 or toll free 1-877-607-4111, Fax: 250-390-6572

Email: [corpsrv@rdn.bc.ca](mailto:corpsrv@rdn.bc.ca)

**Please Note:** The Regional District of Nanaimo is subject to the provisions of the *Freedom of Information and Protection of Privacy Act* and cannot guarantee that information provided can or will be held in confidence.



## Monthly Income/Expenses against Budgeted Amounts

	2019/2020								Total
	Monthly Budget	Actual Average	5	Mar	Apr	May	Jun	Jul	
<b>Revenue</b>	<b>\$2,200.33</b>	<b>\$1,923.53</b>		<b>\$1,977.33</b>	<b>\$2,148.33</b>	<b>\$1,733.33</b>	<b>\$2,060.33</b>	<b>\$1,698.33</b>	<b>\$9,617.67</b>
Sponsor 1 \$1250		\$208.33		\$208.33	\$208.33	\$208.33	\$208.33	\$208.33	\$1,041.67
Sponsor 2 \$750		\$125.00		\$125.00	\$125.00	\$125.00	\$125.00	\$125.00	\$625.00
Sponsor 3 \$750		\$125.00		\$125.00	\$125.00	\$125.00	\$125.00	\$125.00	\$625.00
Sponsorships 4x\$125	\$500.00								\$0.00
Membership 50x\$20	\$1,000.00	\$975.40		\$944.00	\$990.00	\$1,000.00	\$1,028.00	\$915.00	\$4,877.00
Grants \$2500/12	\$208.33	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Courses	\$125.00	\$300.80		\$0.00	\$585.00	\$250.00	\$544.00	\$125.00	\$1,504.00
Events	\$150.00	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Donations	\$117.00	\$41.00		\$40.00	\$30.00	\$25.00	\$10.00	\$100.00	\$205.00
Sales	\$100.00	\$148.00		\$535.00	\$85.00	\$0.00	\$20.00	\$100.00	\$740.00

<b>Expenses</b>	<b>\$2,031.33</b>	<b>\$1,626.43</b>		<b>\$1,624.76</b>	<b>\$1,425.58</b>	<b>\$1,313.92</b>	<b>\$1,730.95</b>	<b>\$1,843.72</b>	<b>\$8,132.13</b>
Security	\$60.00	\$11.55						\$57.75	\$57.75
Promotion	\$60.00	\$42.86						\$214.28	\$214.28
Consumables	\$60.00	\$71.99		\$107.41				\$252.52	\$359.93
Equipment	\$90.00	\$0.00							\$0.00
Event	\$90.00	\$18.35		\$91.77					\$91.77
Membership	\$50.00	\$0.00							\$0.00
Course Supplies	\$50.00	\$83.41					\$417.03		\$417.03
Tenancy	\$1,000.00	\$1,000.00		\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$5,000.00
Insurance	\$150.00	\$149.17		\$149.17	\$149.17	\$149.17	\$149.17	\$149.17	\$745.83
BC Hydro	\$166.67	\$120.47		\$186.42	\$186.42	\$74.76	\$74.76	\$80.00	\$602.34
Utilities	\$16.67	\$38.64							\$193.20
Wages	\$0.00	\$0.00							\$0.00
Honorarium	\$83.00	\$0.00							\$0.00
Refunds	\$0.00	\$0.00							\$0.00
BLT Equipment	\$90.00	\$90.00		\$90.00	\$90.00	\$90.00	\$90.00	\$90.00	\$450.00
Maintenance	\$50.00	\$0.00							\$0.00
Awards	\$15.00	\$0.00							\$0.00



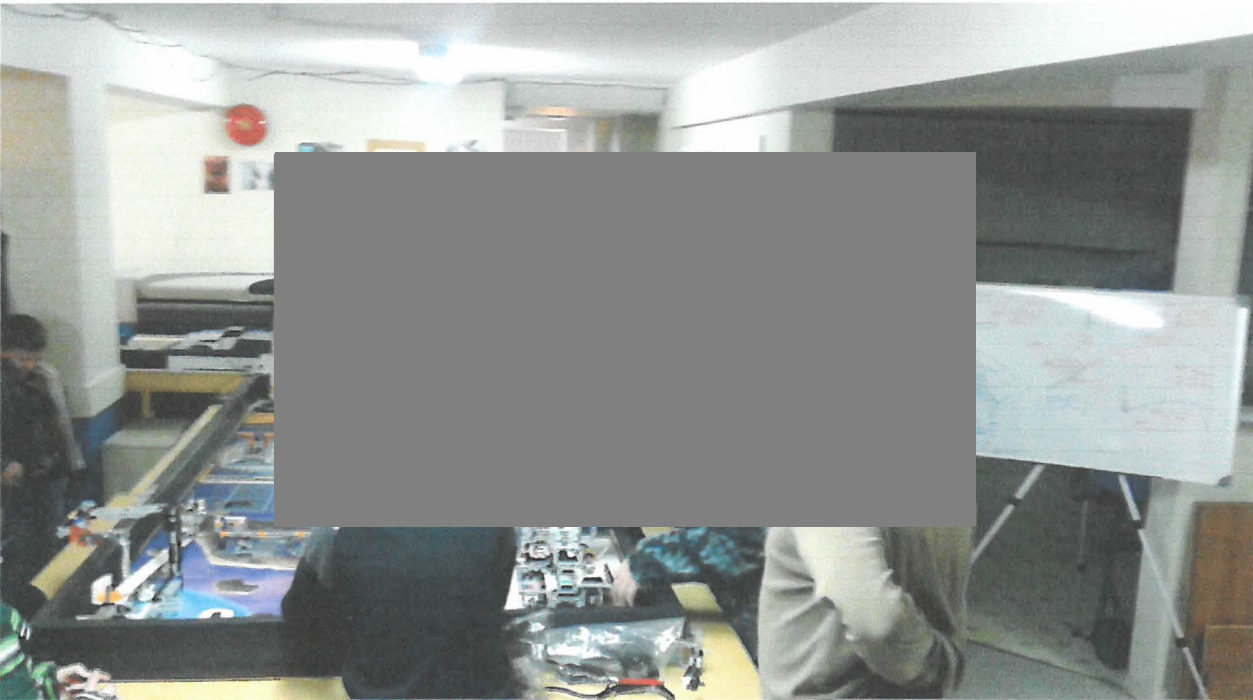
## OCMS - Budget

### Budget

	1 Mar 2018 To 28 Feb 2019	1 March 2019 To 28 Feb 2020
	Under OBLT	OCMS Budget
<b>Income</b>	<b>\$29,771.90</b>	<b>\$31,080.00</b>
<b>Category</b>		
Grants	\$5,500.00	\$4,500.00
Membership	\$9,840.00	\$13,680.00
Donations	\$1,735.00	\$1,400.00
Sponsorship	\$6,320.40	\$7,000.00
Courses/Events	\$2,120.00	\$2,500.00
Other Sale Items	\$2,240.00	\$200.00
Garage Sale	\$2,016.50	\$1,800.00
<b>Expenses</b>	<b>\$29,771.90</b>	<b>\$31,080.00</b>
<b>Category</b>		
Stationary	\$50.00	\$100.00
Security	\$200.00	\$500.00
Promotion	\$60.00	\$500.00
Consumables	\$1,894.00	\$2,500.00
Equipment	\$2,046.70	\$3,500.00
Events-Food	\$52.70	\$450.00
Membership	\$40.15	\$60.00
Course	\$148.55	\$800.00
Tenancy	\$15,346.80	\$15,420.00
Insurance	\$1,600.00	\$1,800.00
BC Hydro	\$2,170.00	\$2,300.00
Utilities	\$0.00	\$200.00
Internet-Phone	\$0.00	\$1,200.00
Wages	\$5,540.00	\$0.00
Honorarium	\$443.00	\$1,500.00
Awards	\$180.00	\$250.00



Family night at Makerspace sees parents work with children on building and designing a bird house

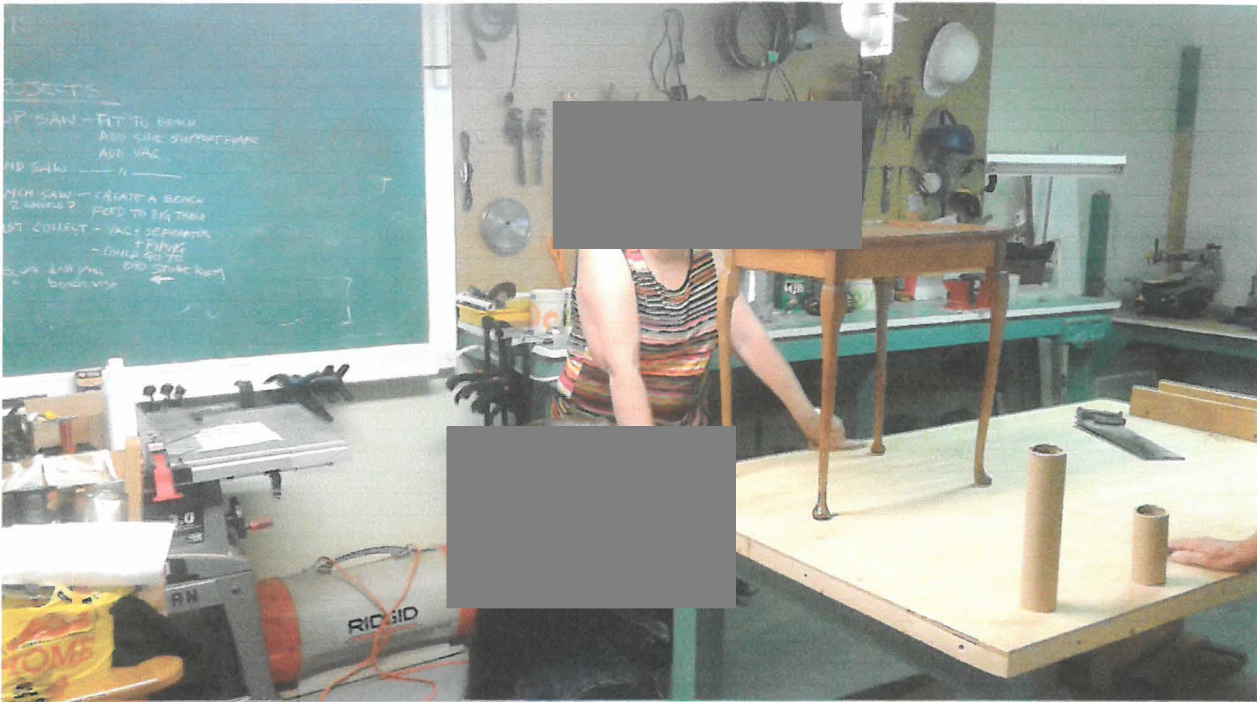


Adult onlookers observe 9 & 10 year olds demonstrate their new skills at Lego Robotics in preparation for their trip to Victoria for Vancouver Island championships. Over 400 from Island participated.

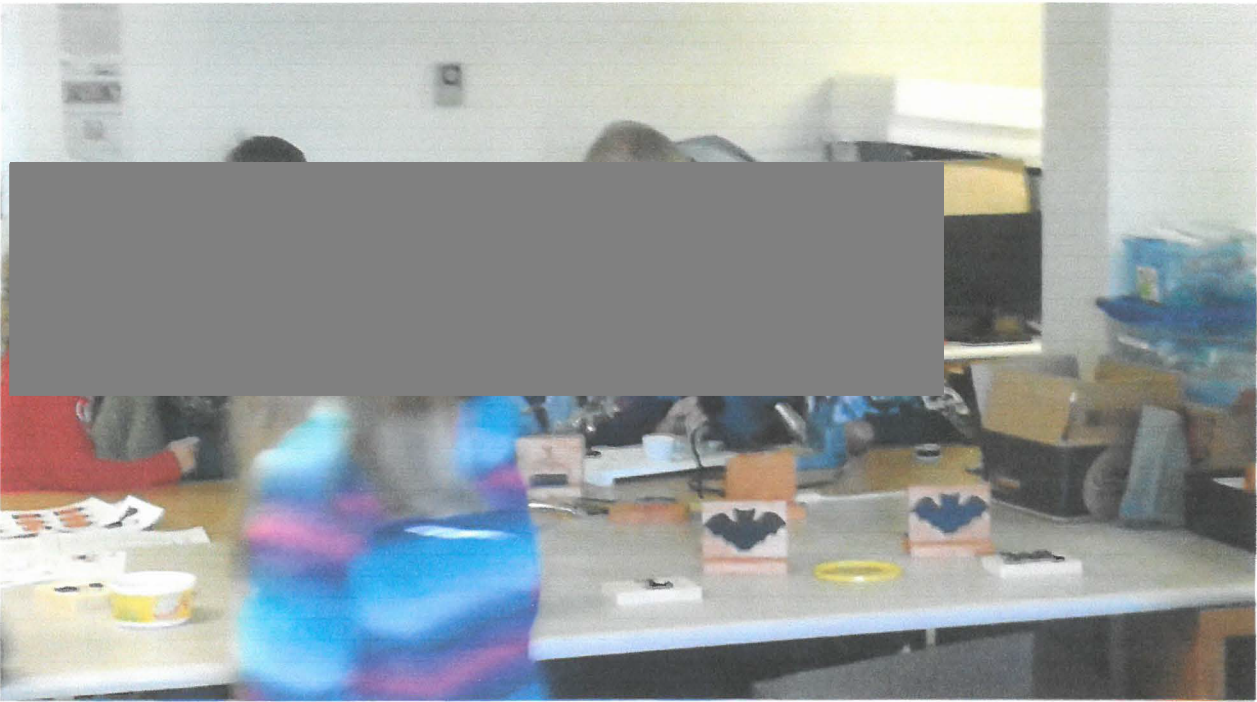


Volunteer instructor in Metal Arts Studio helps Grade 3-4 students from Aeroview Elementary make set of earrings for mom during Spring 2019 visit to Makerspace.





Qualicum Beach resident demonstrates her refinishing work on grandfather's side table done in Makerspace woodworking room to observer MLA Michelle Stillwell.



Children aged 6 years and up get special soldering instruction from Makerspace volunteer as part of Halloween project put flashing eyes in 'BAT' printed on Makerspace 3D printers.